



# Logic Machine系列产品培训资料及产品使用手册

V 1.0

（此版教程依据20170620固件版本编辑）

embedded  
automation

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# 调试前准备

# embedded systems 主要产品



Logic Machine



Logic Machine Ambient



Stream Player



# 调试前准备：硬件



供电：24v直流



明纬直流电源



网线

不推荐使用KNX电源上的额外供电端口，易造成工作不稳定

# 调试前准备：软件



chrome



Firefox®



Safari



Internet  
Explorer

请使用纯净版浏览器来登录，避免发生无法登录的情况

Logic Machine Online在线测试平台

<http://4n.lv:7999>

Login: admin      password: admin

# 通讯前准备：软件



Login name	admin
Password	admin
IP address	192.168.0.10
Network mask	255.255.255.0



PC本地连接：192.168.0.X

# 通讯前准备：软件

长按短于10s，重启设备

长按超过10s，IP  
地址恢复出厂设置

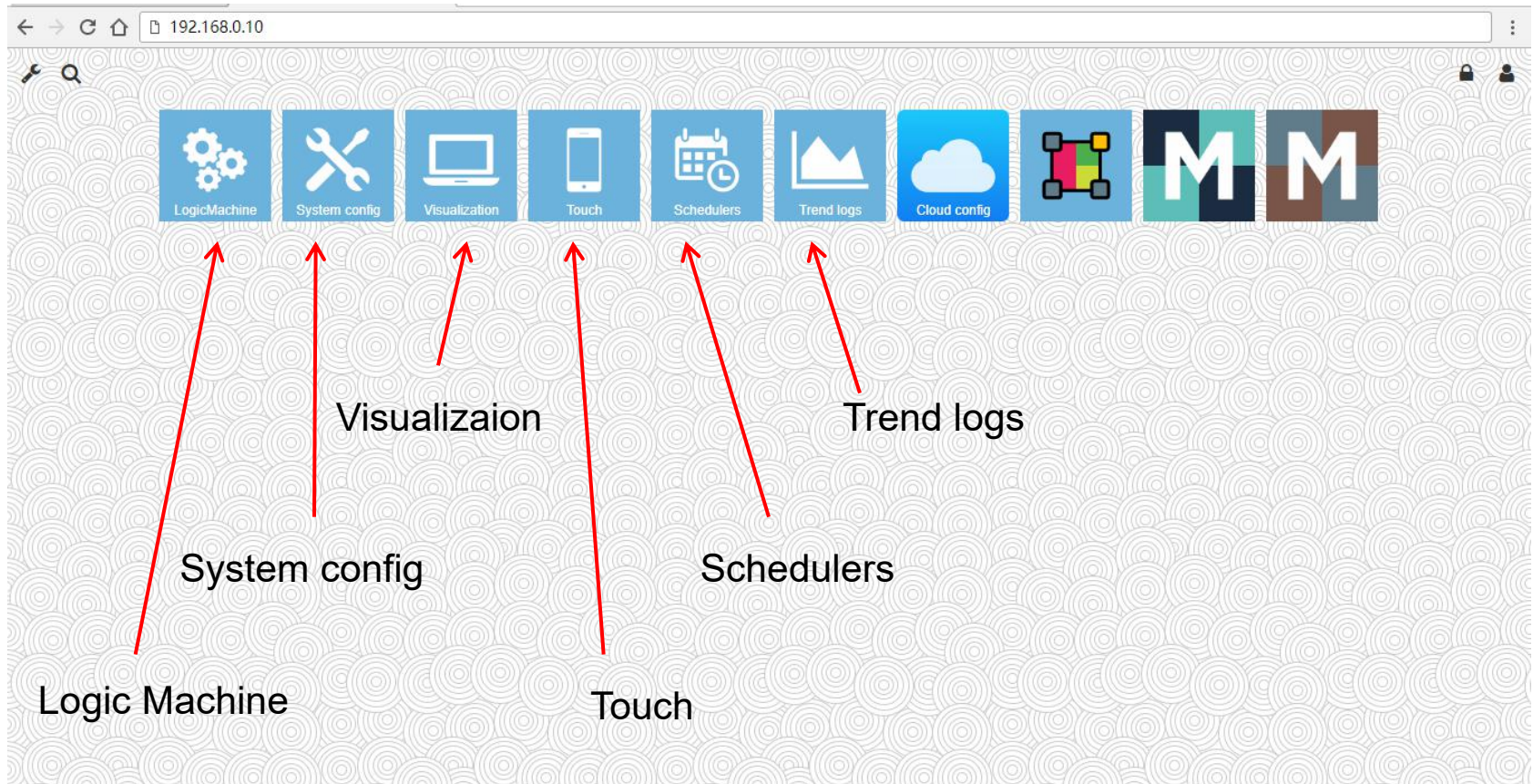


- *Press and hold for <10 sec – reboot the device*
- *Press and hold for >10 sec – reset networking with IP to factory default*
- *Press and hold for >10 sec and again press and hold for >10 sec – full reset of configuration to factory defaults*

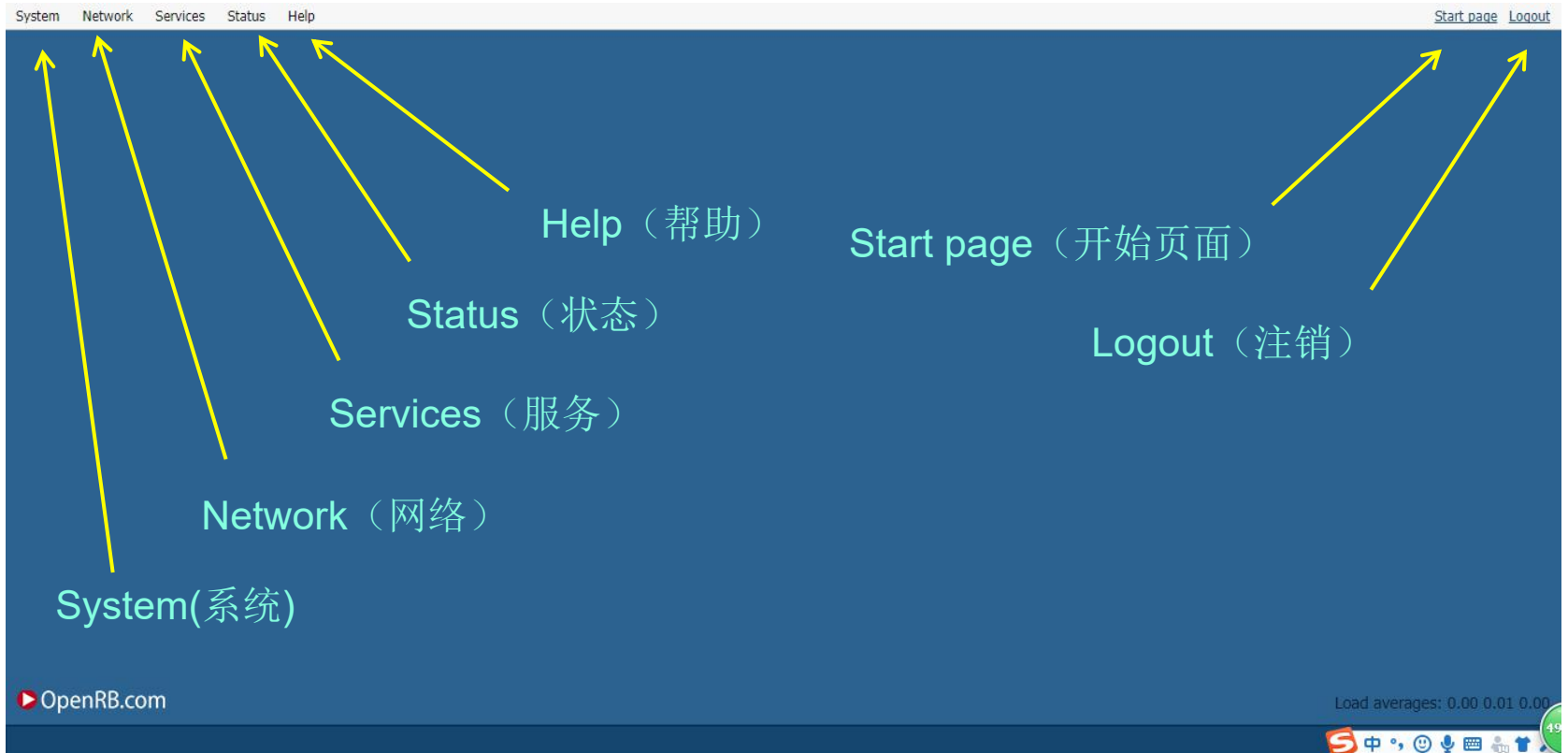
长按超过10s后松开，再  
次长按超过10s，完全恢  
复出厂设置

# Systems config —— 系统设置

# Start page > Systems config



# System config



## System config > Systems

The screenshot displays the 'System' configuration page in the OpenRB web interface. The navigation menu at the top includes 'System', 'Network', 'Services', 'Status', and 'Help'. The main content area lists several system management options: 'Hostname', 'Packages', 'Admin access', 'Upgrade firmware', 'Reboot', and 'Shutdown'. Green arrows point from these options to their respective Chinese descriptions on the right. The footer shows the OpenRB logo and the URL '192.168.0.10/flashsys#'. The system status at the bottom right indicates 'Load averages: 0.00 0.00 0.00'.

System Network Services Status Help [Start page](#) [Logout](#)

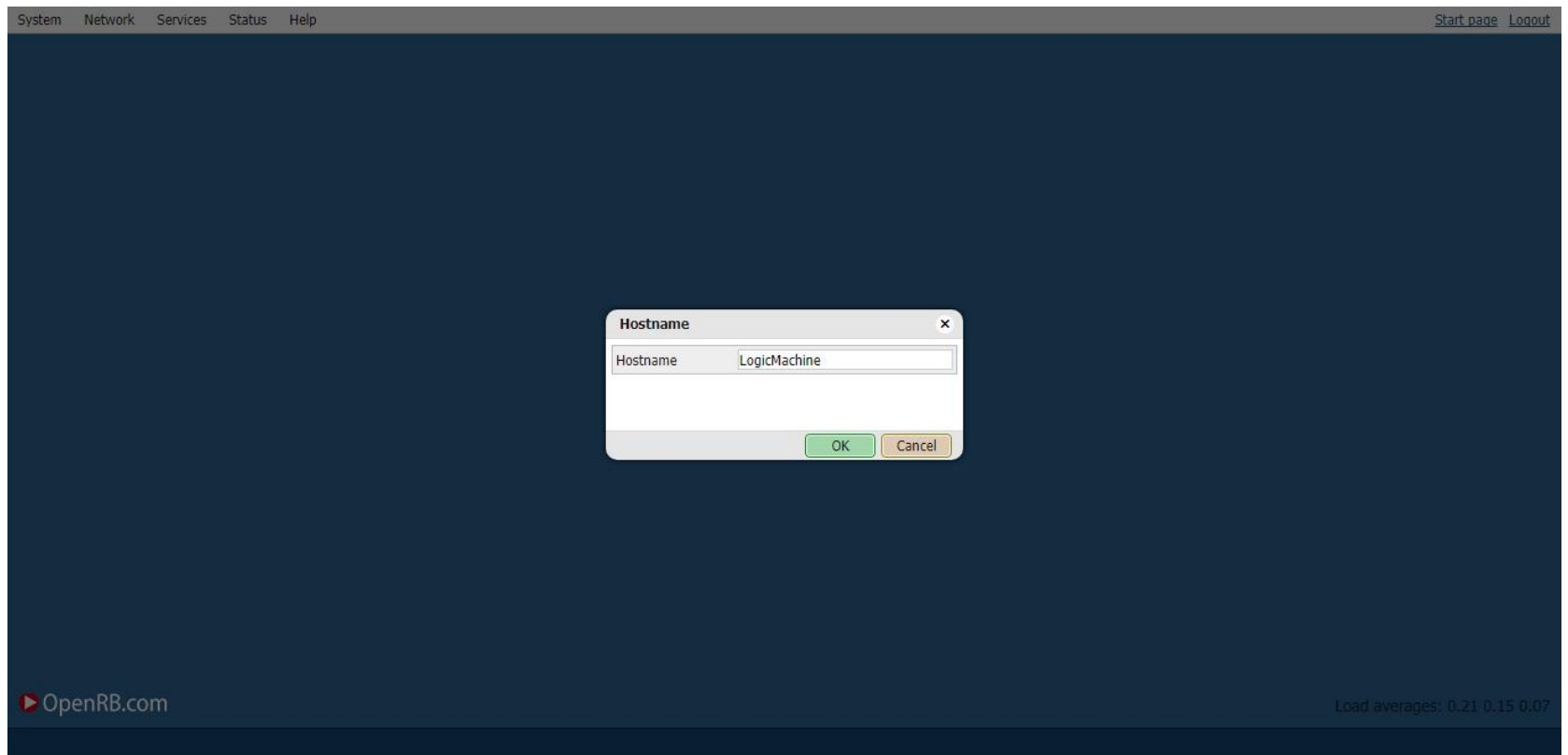
Hostname Packages Admin access Upgrade firmware Reboot Shutdown

Hostname(设备名称)  
Packages (功能插件包)  
Admin access (管理员权限)  
Upgrade firmware (固件更新)  
Reboot (重启)  
Shutdown (关机)

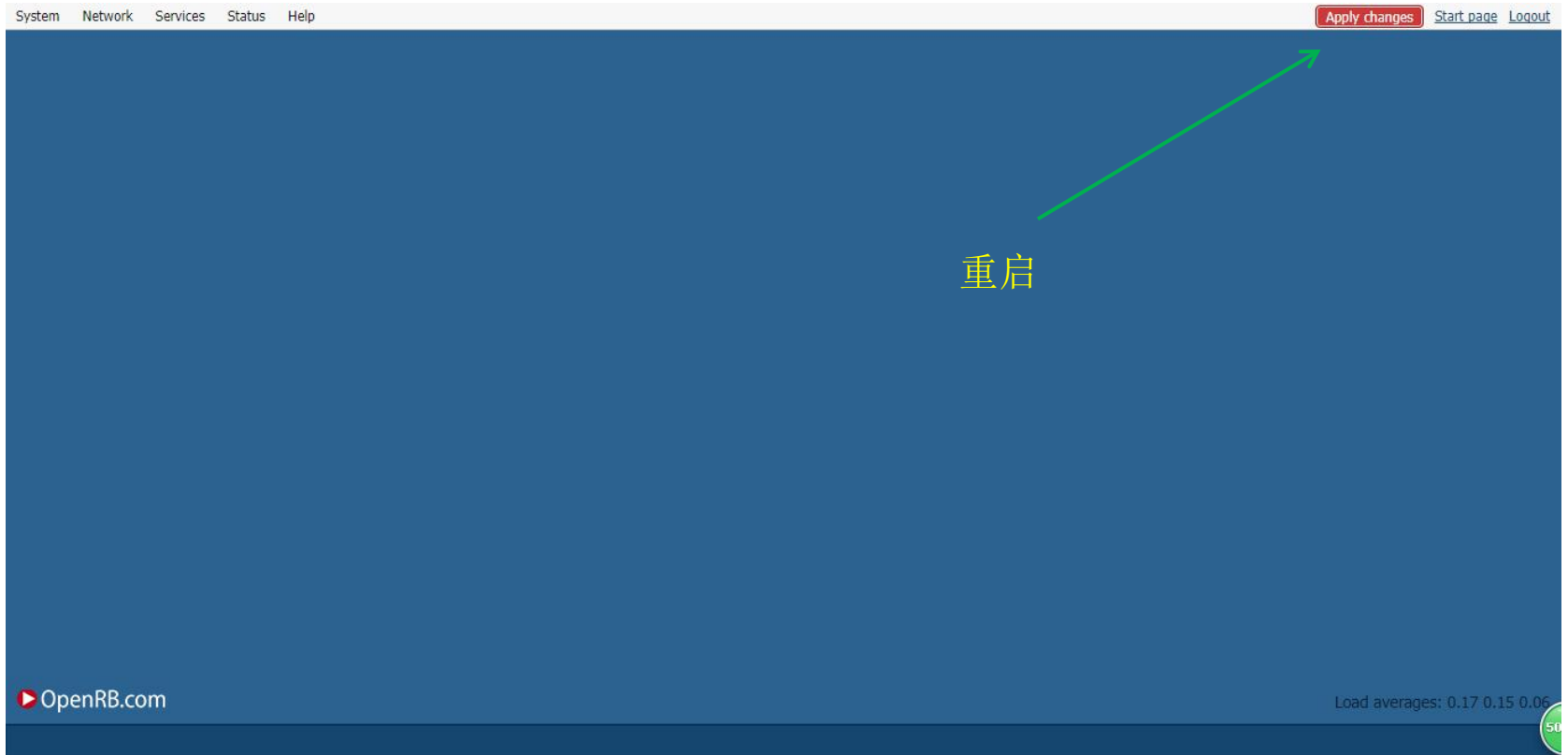
OpenRB.com Load averages: 0.00 0.00 0.00

192.168.0.10/flashsys#

# System config > Systems > Hostname



# System config > Systems > Hostname



# System config > Systems > Packages

System Network Services Status Help [Start page](#) [Logout](#)

### Packages

Package name	Version	
avahi-browse	2	⊖
avahi-daemon	0.6.31-6	⊖
bacnet	20170519	⊖
base-files	20170619	⊖
busybox	1.26.2-2	⊖
dropbear	2017.75-1	⊖
e2fsprogs	1.43.4-1	⊖
eibd	20170410	⊖
flashsys2	20170612	⊖
genohm-scada	20170620	⊖
genohm-scada-dali	20170620	⊖
genohm-scada-lm4	20170322	⊖
genohm-scada-modbus	20171103	⊖
genohm-scada-w1	20170118	⊖
gpiod	20170116	⊖
hotplug2	1.0-beta-4	⊖

Actions: ⊕

OpenRB.com Load averages: 0.04 0.08 0.05

# System config > Systems > Packages

System Network Services Status Help Apply changes [Start page](#) [Logout](#)

**Packages**

Installing genohm-scada-modbus (20171103) to root...  
Configuring genohm-scada-modbus.

Done

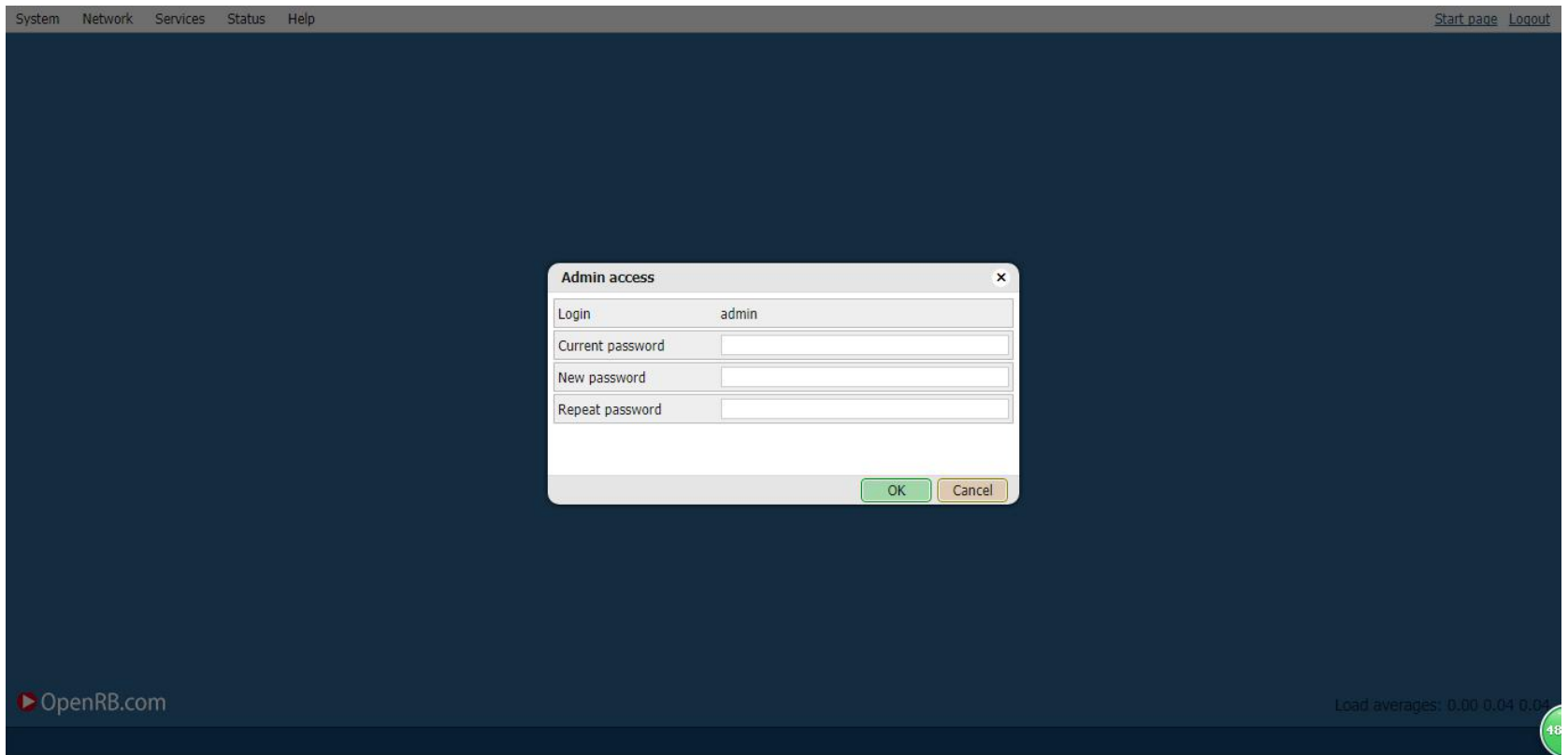
Package name	Version	Status
avahi-browse		⊖
avahi-daemon	0.6.31-6	⊖
bacnet	20170519	⊖
base-files	20170619	⊖
busybox	1.26.2-2	⊖
dropbear	2017.75-1	⊖
e2fsprogs	1.43.4-1	⊖
eibd	20170410	⊖
flashsys2	20170612	⊖
genohm-scada	20170620	⊖
genohm-scada-dali	20170620	⊖
genohm-scada-lm4	20170322	⊖
genohm-scada-modbus	20171103	⊖
genohm-scada-w1	20170118	⊖
gpiod	20170116	⊖
hotplug2	1.0-beta-4	⊖

Actions:

OpenRB.com Load averages: 0.34 0.17 0.06

重启

# System config > Systems > Admin access



# System config > Systems > Admin access

The screenshot shows the OpenRB web interface with a dark blue background. At the top, there is a navigation menu with 'System', 'Network', 'Services', 'Status', and 'Help'. On the right, there are links for 'Start page' and 'Logout'. In the center, a dialog box titled 'Admin access' is open. It contains the following fields: 'Login' with the value 'admin', 'Current password' with masked characters '\*\*\*\*\*', 'New password' with masked characters '\*\*\*\*\*', and 'Repeat password' with masked characters '\*\*\*\*\*'. A red error message is displayed below the 'New password' field: 'New password Length must be between 8 and 20 characters'. The 'OK' button is highlighted in green, and the 'Cancel' button is in orange. At the bottom left, there is a logo for 'OpenRB.com' and at the bottom right, there is a status bar showing 'Load averages: 0.01 0.02 0.03'.

修改新密码最少为8位

# System config > Systems > Upgrade firmware

The screenshot shows the OpenRB web interface with a dark blue background. At the top, there is a navigation menu with links for 'System', 'Network', 'Services', 'Status', and 'Help'. On the right side of the top bar, there are links for 'Start page' and 'Logout'. In the center of the screen, a dialog box titled 'Upgrade firmware' is open. The dialog box has a title bar with a close button (X). Below the title bar, there is a section for 'Firmware file' with a file selection button labeled '选择文件' and a status indicator '未选择任何文件'. Below this, there is a warning icon (exclamation mark in a circle) followed by the text: 'Warning: firmware downgrade is not supported. It will take about 5 minutes for upgrade to complete. All config files will be kept unchanged. Do not unplug your device while upgrade is in progress!'. At the bottom of the dialog box, there are two buttons: 'OK' and 'Cancel'. In the bottom left corner of the main interface, there is a logo for 'OpenRB.com'. In the bottom right corner, there is a status bar showing 'Load averages: 0.00 0.03 0.03' and a small green circular icon with the number '49'.

System config > Systems > Upgrade firmware

Upgrading firmware, please wait. Do not unplug your device!



Seconds remaining: 298

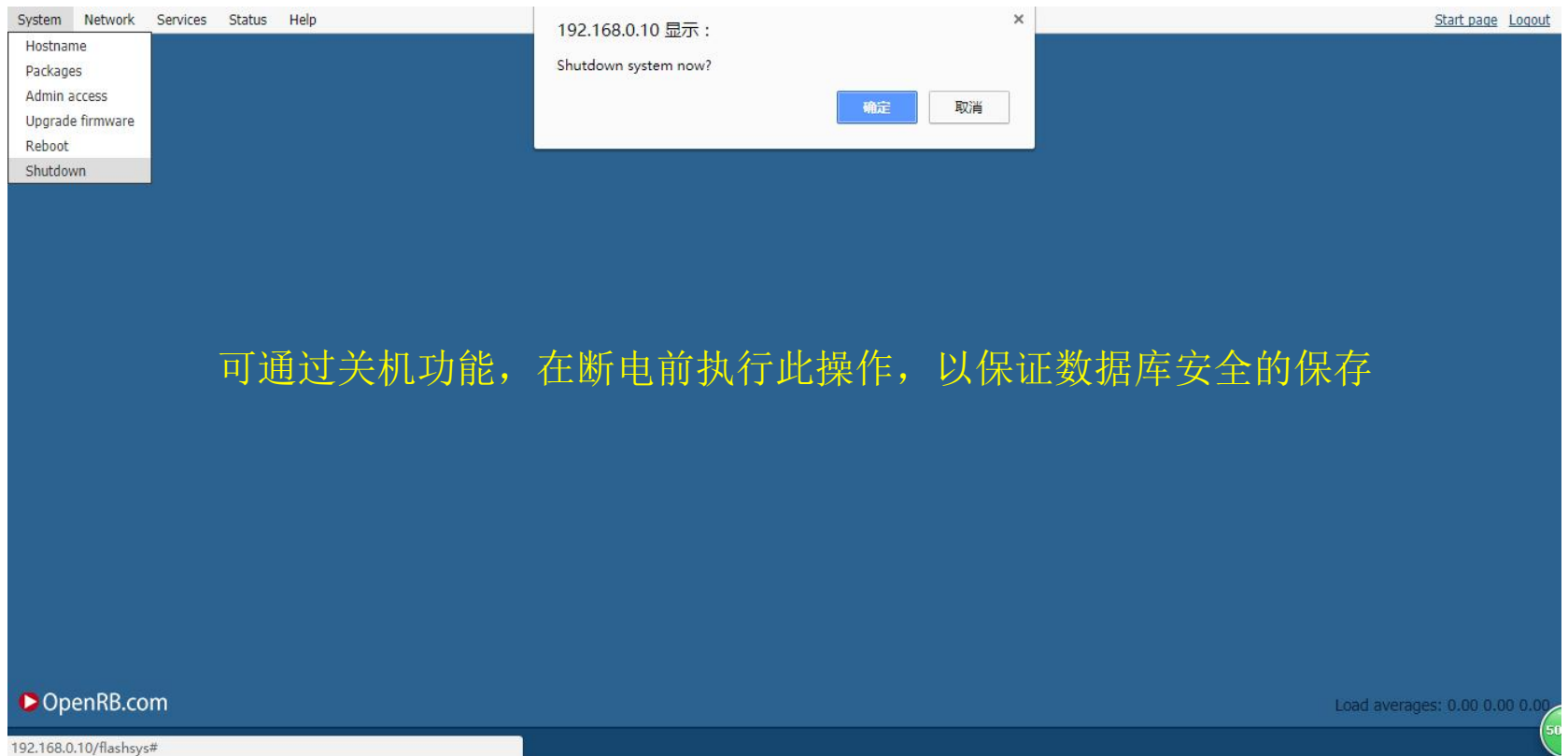
等待约5分钟，待更新后完成设备重启，再重新登录



# System config > Systems > Reboot



## System config > Systems > Shutdown



The screenshot shows the OpenRB.com web interface. The top navigation bar includes 'System', 'Network', 'Services', 'Status', and 'Help'. A dropdown menu is open under 'System', listing 'Hostname', 'Packages', 'Admin access', 'Upgrade firmware', 'Reboot', and 'Shutdown'. A modal dialog box is displayed in the center, titled '192.168.0.10 显示:', with the text 'Shutdown system now?' and two buttons: '确定' (Confirm) and '取消' (Cancel). The background is a dark blue panel with the text '可通过关机功能，在断电前执行此操作，以保证数据库安全的保存' (Can be performed through the shutdown function before power outage to ensure safe database backup). The footer shows 'OpenRB.com' and 'Load averages: 0.00 0.00 0.00'. The terminal prompt at the bottom left is '192.168.0.10/flashsys#'. A small green circle with the number '50' is visible in the bottom right corner of the terminal area.

可通过关机功能，在断电前执行此操作，以保证数据库安全的保存

# System config > Network

The screenshot shows the 'Network' configuration page in the OpenRB.com interface. The page has a navigation menu at the top with 'System', 'Network', 'Services', 'Status', and 'Help'. The 'Network' menu is expanded, showing a list of items: 'Interfaces', 'Routes', 'ARP table', 'KNX connection', 'KNX statistics', 'BACnet settings', 'BACnet objects', and 'BACnet COV settings'. On the right side of the page, there are several labels in Chinese with green arrows pointing to the corresponding items in the menu:

- Interface (接口) - points to 'Interfaces'
- Routes (路由表) - points to 'Routes'
- ARP table (地址解析协议) - points to 'ARP table'
- KNX connection (KNX连接) - points to 'KNX connection'
- KNX statistics (KNX统计) - points to 'KNX statistics'
- BACnet COV setting - points to 'BACnet COV settings'
- BACnet objects - points to 'BACnet objects'
- BACnet setting - points to 'BACnet settings'

At the bottom left, there is a logo for 'OpenRB.com' and the URL '192.168.0.10/flashsys#'. At the bottom right, there is a status bar showing 'Load averages: 0.02 0.09 0.05' and a small circular icon with the number '49'.

# System config > Network > Interfaces

The screenshot shows the OpenRB web interface. The top navigation bar includes 'System', 'Network', 'Services', 'Status', and 'Help'. The 'Network' menu is expanded, showing options like 'Interfaces', 'Routes', 'ARP table', 'KNX connection', 'KNX statistics', 'BACnet settings', 'BACnet objects', and 'BACnet COV settings'. The 'Interfaces' sub-menu is selected, displaying a table with the following data:

Name	MAC address	IP address	MTU	TX Bytes	RX Bytes	Errors	
eth0	00:1B:C5:00:19:E	192.168.0.10	1500	407 KB	283 KB	0 / 0	

A green arrow points from the Chinese characters '点击' (click) to the 'eth0' row in the table. The bottom of the interface shows the OpenRB logo, the URL '192.168.0.10/flashsys#', and system load averages: 'Load averages: 0.00 0.00 0.00'. A small green circle with the number '49' is visible in the bottom right corner.

# System config > Network > Interfaces

The screenshot shows the 'Interfaces' configuration window in OpenRB. A table lists the interface 'eth0' with its MAC address, IP address (192.168.0.10), MTU (1500), and traffic statistics. A modal window titled 'Interface eth0' is open, showing configuration options: Protocol (Static IP), IP address (192.168.0.10), Network mask (255.255.255.0), Gateway IP (192.168.0.1), DNS server 1 (202.96.69.38), DNS server 2 (210.52.149.2), and MTU (empty). The 'OK' button is highlighted.

**DNS:** 根据各区域、各项目所选择的网络运营商来进行选择，以保证LM与外网通讯的稳定

**静态IP**

**MTU:** 最大传输单元；默认无设定，可不考虑

OpenRB.com Load averages: 0.00 0.00 0.00

# System config > Network > Interfaces

**DNS:** 根据各区域、各项目所选择的网络运营商来进行选择，以保证LM与外网通讯的稳定

**动态IP**

**MTU:** 最大传输单元；默认无设定，可不考虑

OpenRB.com

Load averages: 0.08 0.02 0.01

# System config > Network > Interfaces

The screenshot displays the OpenRB web interface. At the top, there are navigation tabs: System, Network, Services, Status, and Help. The 'Network' tab is active, and a sub-menu is open showing 'Interfaces' selected. Below the menu, a table lists network interfaces, with 'eth0' highlighted. A window titled 'Network usage for interface eth0' is overlaid on the interface, showing a line graph of network traffic. The graph has two lines: a green line for 'In' (7 Kbps) and a blue line for 'Out' (5 Kbps). The y-axis ranges from 0 to 15 Kbps. A small bar chart icon in the top right corner of the graph window is pointed to by a green arrow. The text '网络流量图' (Network Traffic Graph) is written in yellow next to the arrow. At the bottom left, the URL '192.168.0.10/flashsys#' is visible. At the bottom right, the text 'Load averages: 0.14 0.03 0.01' is shown. The OpenRB.com logo is in the bottom left corner.

# System config > Network > Routes

The screenshot shows the OpenRB.com web interface. The navigation menu includes System, Network, Services, Status, and Help. The 'Network' menu is expanded, showing options like Interfaces, Routes, ARP table, KNX connection, KNX statistics, BACnet settings, BACnet objects, and BACnet COV settings. The 'Routes' modal window is open, displaying a table with the following data:

Interface	Destination	Gateway	Network mask
eth0	0.0.0.0	192.168.0.1	0.0.0.0
eth0	192.168.0.0	0.0.0.0	255.255.255.0
eth0	224.0.0.0	0.0.0.0	240.0.0.0

At the bottom of the interface, the OpenRB.com logo is visible on the left, and the load averages (0.07 0.02 0.00) are shown on the right. The terminal bar at the bottom left displays the command '192.168.0.10/flashsys#'. A small green circle with the number '49' is located in the bottom right corner of the interface.

# System config > Network > ARP table

System **Network** Services Status Help [Start page](#) [Logout](#)

- Interfaces
- Routes
- ARP table**
- KNX connection
- KNX statistics
- BACnet settings
- BACnet objects
- BACnet COV settings

Interface	IP address	Mask	MAC address
eth0	192.168.0.1	**	14:75:90:d8:57:96
eth0	192.168.0.102	**	2e:46:d8:0f:82:c0

OpenRB.com Load averages: 0.01 0.01 0.00

192.168.0.10/flashsys#

# System config > Network > KNX connection

The screenshot shows the 'KNX connection' configuration window. On the left, a sidebar menu is visible with 'KNX connection' selected. The main window has three tabs: 'General', 'IP > Local filter', and 'Local > IP filter'. The 'General' tab is active, showing various settings. Green arrows point from Chinese text annotations to specific fields in the configuration window.

Annotation (Left)	Field / Setting	Annotation (Right)
获取全部群组报文	Mode (TP-UART)	工作模式
KNX IP功能	KNX IP features (checked)	网关物理地址
多播TTL	Multicast TTL (1)	多播IP
TOS优先级	TOS priority level (0)	最大报文数量
激活保证KNX通讯安全的功能	Enable only secure communication (unchecked)	加密密钥：启动后所有KNX网络报文加密

Additional annotations on the right side of the window include: '工作模式' (Mode), '网关物理地址' (Gateway physical address), '多播IP' (Multicast IP), '最大报文数量' (Maximum number of messages), and '加密密钥：启动后所有KNX网络报文加密' (Encryption key: after start all KNX network messages are encrypted).

IP组播(IP multicasting)是对硬件组播的抽象, 是对标准IP网络层协议的扩展。它通过使用特定的IP组播地址, 按照最大投递的原则, 将IP数据包传输到一个组播群组(multicast group)的主机集合。它的基本方法是: 当某一个人向一组人发送数据时, 它不必将数据向每一个人都发送数据, 只需将数据发送到一个特定的预约的组地址, 所有加入该组的人均可以收到这份数据。这样对发送者而言, 数据只需发送一次就可以发送到所有接收者, 大大减轻了网络的负载和发送者的负担。

# System config > Network > KNX connection

The screenshot shows a web-based configuration interface for a KNX connection. The main window has a dark blue header with navigation links: System, Network, Services, Status, Help. In the top right corner, there are links for Start page and Logout. The central focus is a modal window titled "KNX connection" with three tabs: General, IP > Local filter, and Local > IP filter. The "IP > Local filter" tab is active. The configuration fields are as follows:

- Mode: TP-UART (selected in a dropdown menu)
- ACK all group telegrams:
- KNX address:
- KNX IP features:
- Multicast IP: 224.0.23.12
- Multicast TTL: 1
- Maximum telegrams in queue: 100
- TOS priority level (0 = no prior...): 0
- Encryption key:
- Enable only secure communica...:

Below the fields is an information icon and a text block: "Setting Encryption key will enable encryption of routing telegrams. Reception of normal telegrams will still work. Tunneling and non-secure routing is disabled if only secure communication is enabled. All devices must have the same date/time set otherwise encrypted telegrams will be rejected."

At the bottom of the modal window are "OK" and "Cancel" buttons. The background interface shows "OpenRB.com" in the bottom left and "Load averages: 0.02 0.02 0.00" in the bottom right.

# System config > Network > KNX connection

The screenshot shows the 'KNX connection' configuration window. The 'General' tab is active, and the 'KNX IP features' checkbox is checked. A green arrow points to this checkbox. The interface includes a sidebar with navigation options like 'Interfaces', 'Routes', and 'KNX connection'. The main area contains fields for 'Mode' (TP-UART), 'ACK all group telegrams', 'KNX address' (15.15.255), 'KNX IP features' (checked), 'Multicast IP' (224.0.23.12), 'Multicast TTL' (1), 'Maximum telegrams in queue' (100), 'TOS priority level' (0), 'Encryption key', and 'Enable only secure communication'. A note at the bottom explains that setting an encryption key enables encryption of routing telegrams.

TP-UART模式下  
啊，KNX IP通讯  
默认开启，可选  
择性关闭

# System config > Network > KNX connection

The screenshot shows the 'KNX connection' configuration window with three tabs: 'General', 'IP > Local filter', and 'Local > IP filter'. The 'IP > Local filter' tab is active. It contains the following fields:

- 'Apply filter to tunneling' with a checkbox.
- 'SRC policy' dropdown menu set to 'No filter'.
- 'Ind. address list' text area with a green arrow pointing to it from the annotation '物理地址过滤区' (Physical address filtering area).
- Help text: 'One address/range per line. Use \* (e.g. 1.1.\*) to filter all addresses in the given line.'
- 'DST group policy' dropdown menu set to 'No filter'.
- 'Group address list' text area with a green arrow pointing to it from the annotation '群组地址过滤区' (Group address filtering area).
- Help text: 'One address/range per line. Use \* (e.g. 1/1/\*) to filter all addresses in the given line. Note: by default Local > IP filter only applies to telegrams from TP connection, unless update telegrams are also filtered. Filtering lists are updated at once, changing policies requires restart.'
- 'OK' and 'Cancel' buttons at the bottom.

Annotations in yellow text:

- 'IP到本地' (IP to local) with a green arrow pointing to the 'IP > Local filter' tab.
- '物理地址过滤区' (Physical address filtering area) with a green arrow pointing to the 'Ind. address list' field.
- '群组地址过滤区' (Group address filtering area) with a green arrow pointing to the 'Group address list' field.

Page footer: OpenRB.com, Load averages: 0.00 0.01 0.00, 52

# System config > Network > KNX connection

无过滤

接收指定内部地址

过滤指定内部地址

# System config > Network > KNX connection

每条支线上的一个物理地址/范围，使用“\*”来过滤某个支线上的所有物理地址（例如1.1.\*）

每个中间群组上的一个群组地址/范围，使用“\*”来过滤某个支线上的所有群组地址（例如1/1/\*）

注意：除非更新的报文也被过滤，默认状态下本地到IP过滤器只会应用到从TP总线接收的报文

# System config > Network > KNX connection

The screenshot shows the 'KNX connection' configuration window. The 'Local > IP filter' tab is selected, indicated by a green arrow. The window contains the following fields and options:

- General** | **IP > Local filter** | **Local > IP filter** (selected)
- Filter local update telegrams:
- SRC policy: No filter
- Ind. address list: [Empty text area]
- Info: One address/range per line. Use \* (e.g. 1.1.\*) to filter all addresses in the given line.
- DST group policy: No filter
- Group address list: [Empty text area]
- Info: One address/range per line. Use \* (e.g. 1/1/\*) to filter all addresses in the given line.  
**Note:** by default Local > IP filter only applies to telegrams from TP connection, unless update telegrams are also filtered.  
Filtering lists are updated at once, changing policies requires restart.

At the bottom right of the window, there are 'OK' and 'Cancel' buttons. The background shows a navigation menu with 'System', 'Network', 'Services', 'Status', and 'Help'. The footer includes 'OpenRB.com' and 'Load averages: 0.00 0.00 0.00'.

本地到IP

# System config > Network > KNX statistics

System **Network** Services Status Help [Start page](#) [Logout](#)

- Interfaces
- Routes
- ARP table
- KNX connection
- KNX statistics**
- BACnet settings
- BACnet objects
- BACnet COV settings

Period	TP load	TP repeats	TP RX/TX	IP RX/TX
Last minute	0%	0	0 / 0	0 / 0
Last hour	0%	0	0 / 0	0 / 0
Total	0%	0	0 / 0	0 / 0

— TP load — TP repeats

100%  
80%  
60%  
40%  
20%  
0%

192.168.0.10/flashsys#

OpenRB.com

Load averages: 0.04 0.01 0.00

KNX状态统计表

# System config > Network > BACnet settings

The screenshot displays the OpenRB web interface. At the top, there is a navigation menu with 'System', 'Network', 'Services', 'Status', and 'Help'. The 'Network' menu is expanded, showing options like 'Interfaces', 'Routes', 'ARP table', 'KNX connection', 'KNX statistics', 'BACnet settings' (which is highlighted), 'BACnet objects', and 'BACnet COV settings'. In the center, a 'BACnet settings' dialog box is open, containing the following fields and options:

- Server enabled:
- Device ID: 127001
- Password: mybacpwd
- Object priority: 16
- Add group address to object na...:
- Use comment as object descripti...:
- Port: 47808
- BBMD IP: [empty field]
- BBMD port: [empty field]
- BBMD lease time (seconds): [empty field]

At the bottom of the dialog are 'OK' and 'Cancel' buttons. The footer of the interface shows 'OpenRB.com' on the left, 'Load averages: 0.00 0.01 0.00' on the right, and the URL '192.168.0.10/flashsys#' in the bottom left corner.

# System config > Network > BACnet objects

System Network Services Status Help [Start page](#) [Logout](#)

- Interfaces
- Routes
- ARP table
- KNX connection
- KNX statistics
- BACnet settings
- BACnet objects**
- BACnet COV settings

**BACnet objects** Download CSV

Name: stephen\_home\_127001  
Device ID: 127001  
Port: 47808

Type	Instance	Name	Current value
------	----------	------	---------------

OpenRB.com Load averages: 0.00 0.00 0.00

192.168.0.10/flashsys#

# System config > Network > BACnet COV settings

The screenshot shows the OpenRB web interface. The top navigation bar includes 'System', 'Network', 'Services', 'Status', and 'Help'. The 'Network' menu is expanded, showing options like 'Interfaces', 'Routes', 'ARP table', 'KNX connection', 'KNX statistics', 'BACnet settings', 'BACnet objects', and 'BACnet COV settings'. The 'BACnet COV settings' option is selected. A modal dialog box titled 'BACnet COV settings' is open, displaying a warning message: 'Changing COV values will cause all active COV subscriptions to be cancelled, priority array values will be reset'. The dialog has 'OK' and 'Cancel' buttons. The footer of the interface shows 'OpenRB.com', '192.168.0.10/flashsys#', and 'Load averages: 0.00 0.00 0.00'.

# System config > Services

The screenshot shows the OpenRB web interface with the 'Services' menu open. The menu items are: NTP client/server, HTTP server, HTTP SSL certificate, FTP server, Remote services, and Remote diagnostics. Green arrows point from these menu items to their respective Chinese labels on the right. The interface also shows a navigation bar with 'System', 'Network', 'Services', 'Status', and 'Help', and a footer with 'OpenRB.com' and 'Load averages: 0.00 0.00 0.00'.

- NTP client/server (NTP客户端/服务器)
- HTTP server (HTTP服务器)
- HTTP SSL certificate (HTTP SSL 证书)
- FTP server (FTP服务器)
- Remote services (远程服务)
- Remote diagnostics (远程诊断)

# System config > Services > NTP client/server

The screenshot displays the OpenRB system configuration interface. At the top, there is a navigation menu with 'System', 'Network', 'Services', 'Status', and 'Help'. The 'Services' menu is open, showing options: 'NTP client/server', 'HTTP server', 'HTTP SSL certificate', 'FTP server', 'Remote services', and 'Remote diagnostics'. The 'NTP client/server' option is selected. In the center, a dialog box titled 'NTP (clock synchronization)' is open. It contains the following fields:

Field	Value
Client status	Enabled
Server 1	0.cn.pool.ntp.org
Server 2	1.cn.pool.ntp.org
Server 3	2.cn.pool.ntp.org
Server 4	3.cn.pool.ntp.org
Local server status	Disabled

At the bottom of the dialog box are 'OK' and 'Cancel' buttons. The background interface shows 'OpenRB.com' in the bottom left and 'Load averages: 0.00 0.02 0.01' in the bottom right. A terminal window at the bottom left shows the command '192.168.0.10/flashsys#'. A small green circle with the number '51' is visible in the bottom right corner of the interface.

# System config > Services > HTTP server

The screenshot displays the OpenRB web interface. At the top, there is a navigation menu with 'System', 'Network', 'Services', 'Status', and 'Help'. The 'Services' menu is open, showing options: 'NTP client/server', 'HTTP server' (selected), 'HTTP SSL certificate', 'FTP server', 'Remote services', and 'Remote diagnostics'. In the center, a dialog box titled 'HTTP server' is open, containing two input fields: 'Additional HTTP port' and 'Additional HTTPS port'. Below these fields is a blue information icon followed by the text 'Default HTTP port: 80, default HTTPS port: 443'. At the bottom of the dialog are 'OK' and 'Cancel' buttons. The footer of the interface includes 'OpenRB.com' on the left, 'Load averages: 0.00 0.01 0.01' on the right, and a terminal prompt '192.168.0.10/flashsys#' at the bottom left. A small green circle with the number '52' is visible in the bottom right corner of the interface.

System config > Services > HTTP SSL certificate

The screenshot shows the OpenRB system configuration interface. A menu is open under 'Services', with 'HTTP SSL certificate' selected. A dialog box titled 'HTTP SSL certificate' is displayed in the foreground. The dialog has a 'Mode' dropdown menu set to 'Upload new private key / certificate'. Below this are two large text input fields: 'Private key (RSA)' and 'Certificate (SHA256)'. At the bottom of the dialog are 'OK' and 'Cancel' buttons. The background interface includes a top navigation bar with 'System', 'Network', 'Services', 'Status', and 'Help'. The bottom status bar shows 'OpenRB.com', '192.168.0.10/flashsys#', and 'Load averages: 0.04 0.03 0.01'.

HTTP协议是明文传输的，也就是说当数据包使用HTTP协议进行传输的时候，如果数据包中途被截下来了，那么里面的数据（明文）就会完全暴露。因此，如果数据包里面存放着用户的帐号和密码，就可以认为用户的帐号和密码已经泄漏了。

HTTPS协议则使用了SSL对数据进行加密，即使数据被拦截下来，如果没有解密的密钥，也无法得知用户的数据

# System config > Services > FTP server

The screenshot shows the OpenRB system configuration interface. The top navigation bar includes 'System', 'Network', 'Services', 'Status', and 'Help'. The 'Services' menu is open, showing options like 'NTP client/server', 'HTTP server', 'HTTP SSL certificate', 'FTP server' (which is selected), 'Remote services', and 'Remote diagnostics'. A modal dialog box titled 'FTP server' is displayed in the center. It contains the following fields: 'Free space' (3.5G), 'Server status' (Disabled), 'Port' (21), 'Username' (ftp), 'Password' (empty), 'Username' (apps), 'Password' (empty), 'External IP' (empty), 'Passive mode min port' (empty), and 'Passive mode max port' (empty). Below these fields is a warning message: 'Leave password blank to keep it unchanged. External IP and passive mode ports must be set when you want to access FTP behind NAT. Make sure both FTP port and passive mode port range are forwarded on your router.' At the bottom of the dialog are 'OK' and 'Cancel' buttons. The footer of the interface shows 'OpenRB.com' on the left, 'Load averages: 0.00 0.02 0.04' on the right, and the URL '192.168.0.10/flashsys#' in the bottom left corner.

# System config > Services > Remote services

System Network Services Status Help [Start page](#) [Logout](#)

- NTP client/server
- HTTP server
- HTTP SSL certificate
- FTP server
- Remote services
- Remote diagnostics

**注意：开启此远程功能可通过http命令来操作和控制LM**

Remote services

Service status: Disabled

Allow only exported objects:

Username: remote

Password:

Leave password blank to keep it unchanged.

OK Cancel

OpenRB.com

Load averages: 0.00 0.00 0.00

192.168.0.10/flashsys#

# System config > Services > Remote diagnostics

The screenshot shows the OpenRB.com web interface. At the top, there is a navigation menu with 'System', 'Network', 'Services', 'Status', and 'Help'. The 'Services' menu is open, showing options: 'NTP client/server', 'HTTP server', 'HTTP SSL certificate', 'FTP server', 'Remote services', and 'Remote diagnostics' (which is highlighted). In the center, a 'Remote diagnostics' dialog box is displayed. It has a title bar with a close button. Below the title, there is a 'Service status' dropdown menu currently set to 'Disabled'. Below the dropdown, there is a blue information icon followed by the text 'Port 22 must be forwarded on your router'. At the bottom of the dialog, there are two buttons: 'OK' (green) and 'Cancel' (orange). The footer of the page includes 'OpenRB.com' on the left, 'Load averages: 0.00 0.00 0.00' on the right, and a terminal prompt '192.168.0.10/flashsys#' at the bottom left.

## System config > Status

The screenshot displays the OpenRB web interface. At the top, there is a navigation bar with tabs for 'System', 'Network', 'Services', 'Status', and 'Help'. The 'Status' tab is selected, and a dropdown menu is open, listing 'System status', 'Network utilities', 'System log', and 'Running processes'. Green arrows point from these menu items to their respective Chinese labels on the right: 'System status (系统状态)', 'Network utilities (网络工具)', 'System log (系统日志)', and 'Running processes (当前进程)'. The bottom of the interface shows the 'OpenRB.com' logo on the left and 'Load averages: 0.00 0.00 0.00' on the right. A terminal prompt '192.168.0.10/flashsys#' is visible at the bottom left.

System status (系统状态)

Network utilities (网络工具)

System log (系统日志)

Running processes (当前进程)

OpenRB.com

Load averages: 0.00 0.00 0.00

192.168.0.10/flashsys#

# System config > Status > System status

System Network Services Status Help

- System status
- Network utilities
- System log
- Running processes

Start page Logout

General	Memory	Partitions	Serial ports
CPU model	ARM926EJ-S rev 5 (v5l)		
Linux kernel version	4.4.73		
System uptime	0d 22h 59m		
Load averages	0.00 0.00 0.00		

OpenRB.com

Load averages: 0.00 0.00 0.00

192.168.0.10/flashsys#

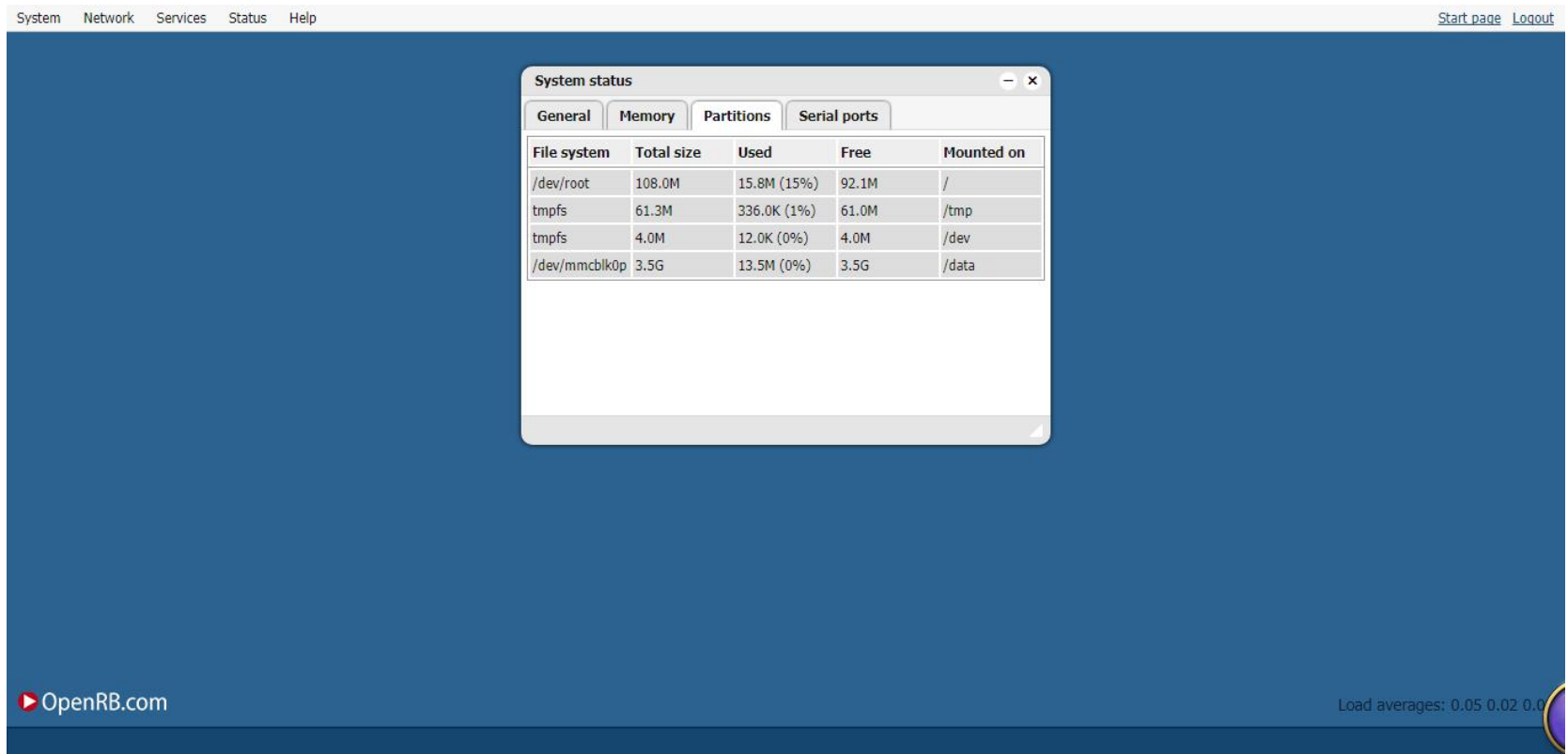
# System config > Status > System status

The screenshot shows the OpenRB web interface. At the top, there is a navigation menu with 'System', 'Network', 'Services', 'Status', and 'Help'. On the right side of the header, there are links for 'Start page' and 'Logout'. The main content area is a dark blue background. A 'System status' window is open, displaying a table of memory usage statistics. The table has two columns: the first column lists memory categories, and the second column shows the amount of memory used and the percentage of total memory.

Category	Value
Total system memory	122.7M
Used	14.7M (12%)
Free	108.0M (88%)
Buffered	5.0M
Cached	8.1M

At the bottom left of the interface, there is a logo for 'OpenRB.com'. At the bottom right, there is a status bar showing 'Load averages: 0.08 0.03 0.0'.

# System config > Status > System status



The screenshot shows the OpenRB web interface with a 'System status' window open. The window has tabs for 'General', 'Memory', 'Partitions', and 'Serial ports'. The 'Partitions' tab is active, displaying a table with the following data:

File system	Total size	Used	Free	Mounted on
/dev/root	108.0M	15.8M (15%)	92.1M	/
tmpfs	61.3M	336.0K (1%)	61.0M	/tmp
tmpfs	4.0M	12.0K (0%)	4.0M	/dev
/dev/mmcblk0p	3.5G	13.5M (0%)	3.5G	/data

At the bottom of the interface, the OpenRB.com logo is on the left and the load averages '0.05 0.02 0.0' are on the right.

# System config > Status > System status

The screenshot shows the OpenRB web interface. At the top, there is a navigation menu with 'System', 'Network', 'Services', 'Status', and 'Help'. On the right side of the header, there are links for 'Start page' and 'Logout'. The main content area is a dark blue background. A window titled 'System status' is open, showing four tabs: 'General', 'Memory', 'Partitions', and 'Serial ports'. The 'Serial ports' tab is selected, displaying a table with the following data:

Port name	Description
/dev/RS485-1	
/dev/RS485-2	
/dev/RS485-3	

At the bottom left of the interface, there is a logo for 'OpenRB.com'. At the bottom right, the text 'Load averages: 0.03 0.02 0.0' is visible.

## System config > Status > Network utilities

The screenshot shows the OpenRG web interface. At the top, there is a navigation menu with 'System', 'Network', 'Services', 'Status', and 'Help'. The 'Status' menu is open, showing options: 'System status', 'Network utilities' (which is selected), 'System log', and 'Running processes'. In the center, a 'Network utilities' dialog box is displayed. It has two tabs: 'Ping' and 'Traceroute'. The 'Ping' tab is active, and there is a text input field labeled 'IP / Hostname'. At the bottom of the dialog, there are 'OK' and 'Cancel' buttons. The background of the interface is dark blue. In the bottom right corner, there is a status bar showing 'Load averages: 0.00 0.01 0.0' and a terminal prompt '192.168.0.10/flashsys#'.

**Ping**是Windows、Unix和Linux系统下的一个命令。**ping**也属于一个通信协议，是TCP/IP协议的一部分。利用“**ping**”命令可以检查网络是否连通，可以很好地帮助我们分析和判定网络故障。应用格式：**Ping**空格IP地址。

## System config > Status > Network utilities



The screenshot shows a web-based interface for network utilities. At the top, there is a navigation menu with 'System', 'Network', 'Services', 'Status', and 'Help'. In the top right corner, there are links for 'Start page' and 'Logout'. The main content area is a dark blue background. A modal dialog box titled 'Network utilities' is open in the center. It has two tabs: 'Ping' and 'Traceroute'. The 'Traceroute' tab is active. Below the tabs is a text input field labeled 'IP / Hostname'. At the bottom of the dialog, there are 'OK' and 'Cancel' buttons.

**traceroute** 是用来检测发出数据包的主机到目标主机之间所经过的网关数量的工具。  
**traceroute** 的原理是试图以最小的TTL发出探测包来跟踪数据包到达目标主机所经过的网关，然后监听一个来自网关**ICMP**的应答。发送数据包的大小默认为 **38** 个字节。

# System config > Status > System log

System Network Services Status Help

- System status
- Network utilities
- System log
- Running processes

Start page Logout

### System log

```
Jan 4 01:44:38 stephen_home kern.info kernel: [80312.117931] fec 800f0000.ethernet eth0: Link is Up -
Jan 4 01:44:28 stephen_home kern.info kernel: [80301.587518] fec 800f0000.ethernet eth0: Link is Down
Jan 4 01:41:32 stephen_home kern.info kernel: [80125.542927] fec 800f0000.ethernet eth0: Link is Up -
Jan 4 01:40:59 stephen_home kern.info kernel: [80092.292533] fec 800f0000.ethernet eth0: Link is Down
Jan 3 03:26:38 stephen_home daemon.err avahi-daemon[961]: write() failed while writing return value to
Jan 3 03:26:38 stephen_home kern.notice kernel: [ 31.340002] random: nonblocking pool is initialized
Jan 3 03:26:37 stephen_home user.info sysinit: Timeout reached while waiting for return value
Jan 3 03:26:14 stephen_home kern.info kernel: [ 8.243434] fec 800f0000.ethernet eth0: Link is Up -
Jan 3 03:26:14 stephen_home user.info sysinit: /lib/genohm-scada/storage/current.db: OK
Jan 3 03:26:13 stephen_home kern.info kernel: [ 6.470251] EXT4-fs (mmcblk0p3): mounted filesystem with
Jan 3 03:26:13 stephen_home user.info sysinit: /dev/mmcblk0p3: clean, 519/237568 files, 34761/948736
Jan 3 03:26:12 stephen_home user.info sysinit: /dev/mmcblk0p3: recovering journal
Jan 3 03:26:12 stephen_home user.info sysinit: e2fsck 1.43.4 (31-Jan-2017)
Jan 3 03:26:11 stephen_home kern.info kernel: [ 5.230628] fec 800f0000.ethernet eth0: Freescale FEC PHY
Jan 3 03:26:10 stephen_home kern.info kernel: [ 3.998532] fec 800f0000.ethernet eth0: Freescale FEC PHY
Jan 3 03:26:10 stephen_home kern.info kernel: [ 3.681215] watchdog timeout 60 seconds
```

OpenRB.com

Load averages: 0.00 0.01 0.00

192.168.0.10/flashsys#

# System config > Status > Running processes

System Network Services **Status** Help Start page Logout

- System status
- Network utilities
- System log
- Running processes**

**Running processes**

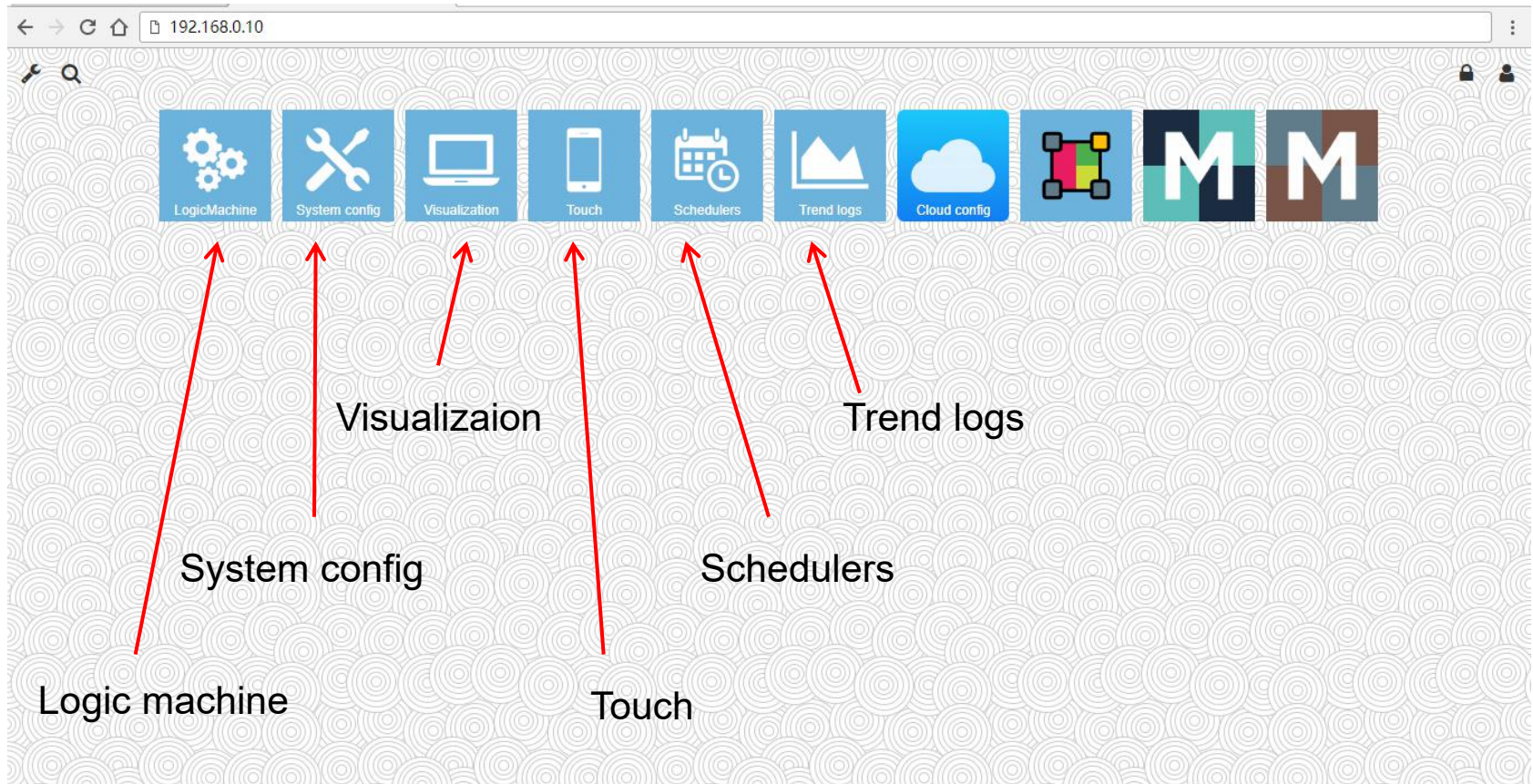
PID	Command	
598	/sbin/syslogd -C16	⊘
600	/sbin/klogd	⊘
602	/sbin/hotplug2 --override --persistent --set-rules-file /etc/hotplug2.rules --set-coldplug-	⊘
759	/sbin/watchdog -t 5 /dev/watchdog	⊘
822	/usr/sbin/gpiod -l /lib/restore/defaults.sh -d /lib/restore/restore.sh -b 114	⊘
832	/usr/sbin/ntpd -n -p 0.cn.pool.ntp.org -p 1.cn.pool.ntp.org -p 2.cn.pool.ntp.org -p	⊘
842	/usr/bin/eibd -e 15.15.255 -q 100 -D -L 1 -Q 0 -R -T -S224.0.23.12 -f eth0 -F	⊘
846	/usr/sbin/redis-server /etc/redis.conf	⊘
898	lua /lib/genohm-scada/core/scenes.lua	⊘
900	lua /lib/genohm-scada/core/groupmonitor.lua	⊘
902	lua /lib/genohm-scada/plugins/dali/daemon.lua	⊘
906	lua /lib/genohm-scada/plugins/modbus/daemon.lua 0	⊘
910	lua /lib/genohm-scada/plugins/w1/daemon.lua	⊘
926	owsrver --i2c=/dev/i2c-0:0 -p 127.0.0.1:4304	⊘
927	lua /lib/apps/daemon.lua mosaic20 /home/apps/store/daemon/mosaic20/daemon.lua	⊘
936	nginx: master process nginx -c /etc/nginx.conf	⊘

OpenRB.com Load averages: 0.03 0.01 0.0

192.168.0.10/flashsys#

# Logic Machine —— 主编辑区

# Start page > Logic machine



The screenshot shows the Logic Machine software interface. At the top, there are menu tabs including Objects, Object logs, Scripting, Schedulers, Trend logs, Scenes, Vis. structure, Visualization, Vis. graphics, Utilities, User access, Dali, Modbus, 1-wire, Alerts, Logs, Error log, and About. The main area displays a table of objects with columns for Group address, Object name, IP > L..., Loc > ..., Event..., Data type, Current value, Log, Export, Tags, Updated at, Set v..., Vis. p..., Custo..., and Delete. A dialog box titled 'KNX connection error' is open in the center, with a question mark icon and the text: 'KNX/TP is not connected. Scripting, visualization and other features may not work. Do you want to switch to KNX/IP instead?'. The dialog has 'Yes' and 'No' buttons. A red arrow points to the 'No' button. At the bottom of the interface, there is a status bar with various indicators: 'Add new object', 'Auto update enabled', 'Clear', 'Mass edit', 'Mass delete', 'Page 1 of 1', 'Loc > TP policy: None; TP > Loc policy: None', 'Displaying objects 1 - 3 of 3', 'Version: 20170620', 'CPU/IO: 0.02 0.10 0.06, Memory: 14%, KNX/TP: ERROR', and system performance indicators like '51%' and '0.4K/s'.

Group ad...	Object name	IP > L...	Loc > ...	Event...	Data type	Current value	Log	Export	Tags	Updated at	Set v...	Vis. p...	Custo...	Delete
1/1/1	test1	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>	1	19.02.2018 11...				
1/1/2	test2	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>	1, 2	19.02.2018 11...				
1/1/3	test3	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>	1, 2, 3	19.02.2018 11...				

KNX / TP没有连接。脚本编程、可视化界面和其他功能可能无法正常  
工作。你想切换到KNX/IP代替吗？

The screenshot shows the Logic Machine software interface. A warning dialog box is displayed in the center, asking: "Warning: Incorrect date and time detected. Do you want to change it now?". The dialog has "Yes" and "No" buttons. A red arrow points to the "No" button. The background shows a table of objects with columns: Group address, Object name, IP > L..., Loc > ..., Event..., Data type, Current value, Log, Export, Tags, Updated at, Set v..., Vis. p..., Custo..., and Delete. The table contains three rows of test objects.

Group ad...	Object name	IP > L...	Loc > ...	Event...	Data type	Current value	Log	Export	Tags	Updated at	Set v...	Vis. p...	Custo...	Delete
1/1/1	test1	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>	1	19.02.2018 11...				
1/1/2	test2	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>	1, 2	19.02.2018 11...				
1/1/3	test3	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>	1, 2, 3	19.02.2018 11...				

Warning: Incorrect date and time detected. Do you want to change it now?

Yes No

检测到的日期和时间不正确。想现在就更改吗？

**启用了NTP客户端，不建议手动更改日期和时间**

**经度和纬度是按当前时区，可能不完全匹配的实际位置**

**与系统同步**

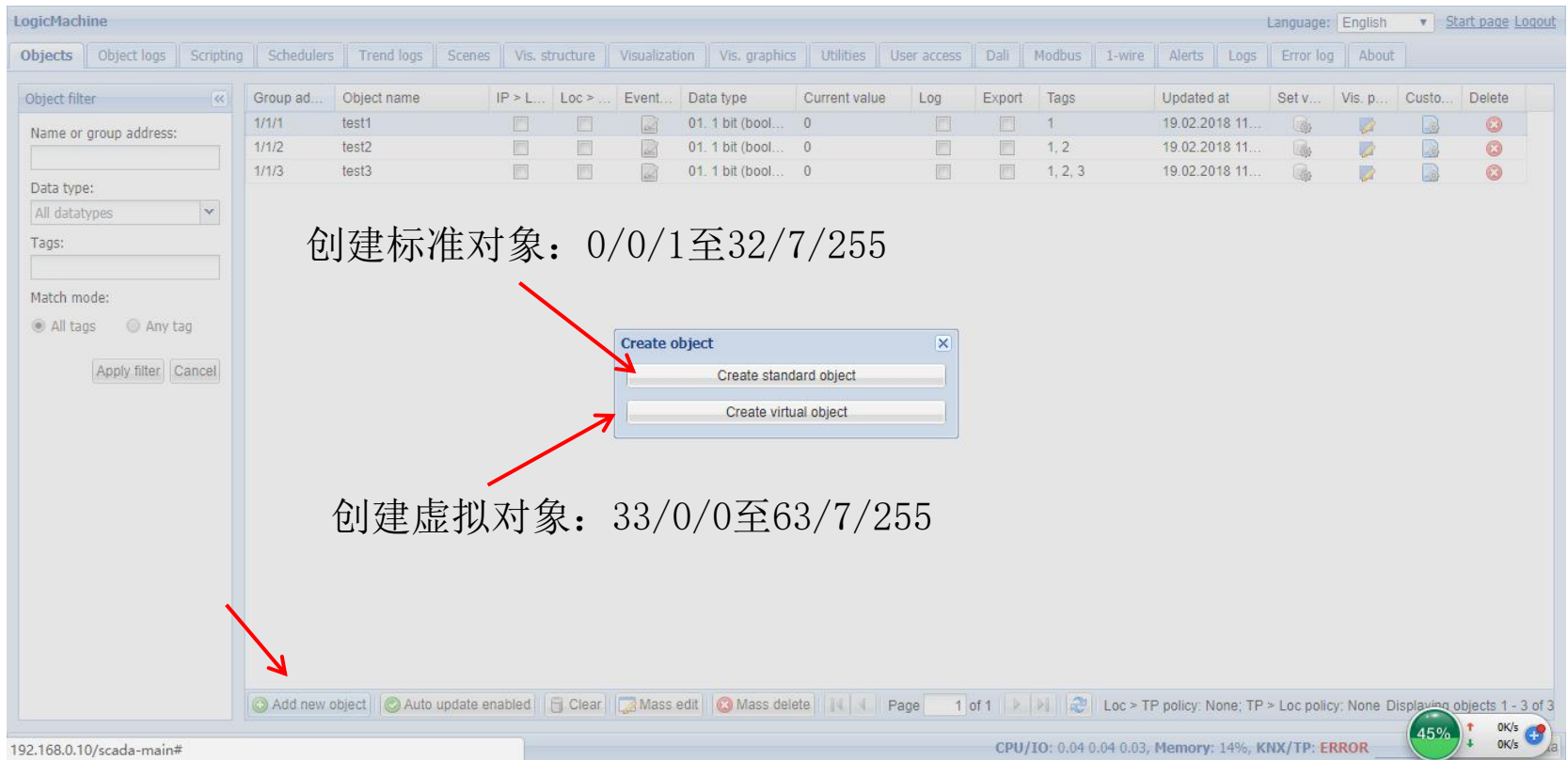
**每周第一天**

**纬度/精度**

Group ad...	Object name	IP > L...	Loc > ...	Event...	Data type	Current value	Log	Export	Tags	Updated at	Set v...	Vis. p...	Custo...	Delete
1/1/1	test1				01. 1 bit (bool...	0			1	19.02.2018 11...				
1/1/2	test2				01. 1 bit (bool...	0			1, 2	19.02.2018 11...				
1/1/3	test3				01. 1 bit (bool...	0			1, 2, 3	19.02.2018 11...				

# Objects —— 群组对象

# Logic Machine > Objects



The screenshot shows the Logic Machine Objects management interface. A table lists existing objects, and a 'Create object' dialog is open. Red arrows point from Chinese text annotations to the dialog options and the 'Add new object' button.

Group ad...	Object name	IP > L...	Loc > ...	Event...	Data type	Current value	Log	Export	Tags	Updated at	Set v...	Vis. p...	Custo...	Delete
1/1/1	test1	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>	1	19.02.2018 11...				
1/1/2	test2	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>	1, 2	19.02.2018 11...				
1/1/3	test3	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>	1, 2, 3	19.02.2018 11...				

创建标准对象：0/0/1至32/7/255

创建虚拟对象：33/0/0至63/7/255

192.168.0.10/scada-main# CPU/IO: 0.04 0.04 0.03, Memory: 14%, KNX/TP: ERROR 45% OK/s OK/s

# Logic Machine > Objects > standard object

对象名称 (唯一性)  
数据类型  
标签  
日志  
导出  
轮询间隔

The screenshot shows the 'Edit object' dialog box in the Logic Machine software. The dialog box has the following fields and options:

- Object name: [Text input field]
- Group address: 1/1/4
- Data type: [Dropdown menu, currently showing 'Not specified']
- Current value: --
- Tags: [Text input field]
- Units / suffix: [Text input field]
- Log:
- High priority log:
- Export:
- Read during start-up:  Send read request during start-up
- Poll interval (seconds): [Spin box]
- Object comments: [Text area]

Red arrows point from the following Chinese labels to the corresponding fields in the dialog box:

- 对象名称 (唯一性) -> Object name
- 数据类型 -> Data type
- 标签 -> Tags
- 日志 -> Log
- 导出 -> Export
- 轮询间隔 -> Poll interval (seconds)
- 组地址 -> Group address
- 当前值 -> Current value
- 单位/后缀 -> Units / suffix
- 高优先级日志 -> High priority log
- 在启动时发送读 -> Send read request during start-up
- 取需求 -> Read during start-up
- 注释 -> Object comments

# Logic Machine > Objects > virtual object

The screenshot shows the Logic Machine software interface. The 'Edit object' dialog box is open, and the 'Group address' field is highlighted with a red arrow. The dialog box contains the following fields:

- Object name: [Empty text box]
- Group address: 32/1/1
- Data type: Not specified
- Current value: --
- Tags: [Empty text box]
- Units / suffix: [Empty text box]
- Log:
- High priority log:
- Export:
- Read during start-up:  Send read request during start-up
- Poll interval (seconds): [Spin box]
- Object comments: [Text area]

The background shows a table of objects with the following columns: Group ad..., Object name, IP > L..., Loc > ..., Event..., Data type, Current value, Log, Export, Tags, Updated at, Set v..., Vis. p..., Custo..., Delete.

192.168.0.10/scada-main# CPU/IO: 0.08 0.02 0.00, Memory: 13%, KNX/TP: ERROR Sync project data

标准群组范围0-31  
， 虚拟群租范围  
32-61， 扩展2倍的  
数据量

# Logic Machine > Objects > virtual object

LogicMachine

Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Object filter

Name or group address:

Data type:

Tags:

Match mode:

All tags  Any tag

Apply filter Cancel

Group ad...	Object name	IP > L...	Loc > ...	Event...	Data type	Current value	Log	Export	Tags	Updated at	Set v...	Vis. p...	Custo...	Delete
1/1/1	test1	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>	1	19.02.2018 11...				
1/1/2	test2	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>	2	19.02.2018 11...				
1/1/3	test3	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>	3	19.02.2018 11...				
32/1/1 <b>V</b>	test4	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>		26.02.2018 13...				

区别于标准群组，虚拟群组后有V字标志，且无需进行KNX-IP过滤

Add new object Auto update enabled Clear Mass edit Mass delete Page 1 of 1 Loc > TP policy: None; TP > Loc policy: None Displaying objects 1 - 4 of 4

Version: 20170620 CPU/IO: 0.02 0.09 0.08, Memory: 15%, KNX/TP: ERROR Sync project data

# Logic Machine > Objects

LogicMachine Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Object filter

Name or group address:

Data type:

Tags:

Match mode:

All tags  Any tag

Apply filter Cancel

Group ad...	Object name	IP > L...	Loc > ...	Event...	Data type	Current value	Log	Export	Tags	Updated at	Set v...	Vis. p...	Custo...	Delete
1/1/1	test1	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>	1	19.02.2018 11...				
1/1/2	test2	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>	2	19.02.2018 11...				
1/1/3	test3	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>	3	19.02.2018 11...				
32/1/1	test4	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>		26.02.2018 13...				

对象名称      事件脚本      当前值      导出      更新时间      自定义值

群组地址      KNX-IP过滤      数据类型      日志      标签      设置值      可视化参数

Add new object Auto update enabled Clear Mass edit Mass delete Page 1 of 1 Loc > TP policy: None; TP > Loc policy: None Displaying objects 1 - 4 of 4

Version: 20170620 CPU/IO: 0.02 0.09 0.08, Memory: 15%, KNX/TP: ERROR Sync project data

The screenshot shows the Logic Machine Objects interface. On the left is the 'Object filter' panel with fields for 'Name or group address', 'Data type', and 'Tags'. The main area is a table with columns: Group ad..., Object name, IP > L..., Loc > ..., Event..., Data type, Current value, Log, Export, Tags, Updated at, Set v..., Vis. p..., Custo..., and Delete. The table contains four rows of test objects. Below the table is a toolbar with icons for 'Add new object', 'Auto update enabled', 'Clear', 'Mass edit', and 'Mass delete'. At the bottom, a status bar displays system metrics: 'Version: 20170620', 'CPU/I/O: 0.02 0.09 0.08', 'Memory: 15%', 'KNX/TP: ERROR', and a 'Sync project data' button.

Group ad...	Object name	IP > L...	Loc > ...	Event...	Data type	Current value	Log	Export	Tags	Updated at	Set v...	Vis. p...	Custo...	Delete
1/1/1	test1	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>	1	19.02.2018 11...				
1/1/2	test2	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>	2	19.02.2018 11...				
1/1/3	test3	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>	3	19.02.2018 11...				
32/1/1	test4	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>		26.02.2018 13...				

启用自动更新 群编辑 页面  
添加新对象 清除 群删除 刷新 KNX-IP过滤策略

CPU平均负载

闪存

KNX-TP连接

同步项目数据

# Logic Machine > Objects > Object filter

## 对象过滤功能

Object filter

Name or group address:

Data type:

Tags:

Match mode:

All tags  Any tag

Apply filter Cancel

Group ad...	Object name	IP > L...	Loc > ...	Event...	Data type	Current value	Log	Export	Tags	Updated at	Set v...	Vis. p...	Custo...	Delete
1/1/1	test1	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>	1	19.02.2018 11...				
1/1/2	test2	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>	2	19.02.2018 11...				
1/1/3	test3	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>	3	19.02.2018 11...				
32/1/1	test4	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>		26.02.2018 13...				

名称或组地址

数据类型

标签

所有标签或任意标签

Version: 20170620 CPU/IO: 0.00 0.01 0.03, Memory: 15%, KNX/TP: ERROR Sync project data

# Logic Machine > Objects > Object filter

LogicMachine

Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Object filter

Name or group address:

Data type: All datatypes

Tags: 1,2,3

Match mode:  All tags  Any tag

Apply filter Cancel

Group ad...	Object name	IP > L...	Loc > ...	Event...	Data type	Current value	Log	Export	Tags	Updated at	Set v...	Vis. p...	Custo...	Delete
1/1/1	test1	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>	1	19.02.2018 11...				
1/1/2	test2	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>	1, 2	19.02.2018 11...				
1/1/3	test3	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>	1, 2, 3	19.02.2018 11...				
32/1/1	test4	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>	1, 2, 3, 4	26.02.2018 13...				

Version: 20170620 CPU/IO: 0.00 0.00 0.00, Memory: 14%, KNX/TP: ERROR Sync project data

示例

示例

# Logic Machine > Objects > Object filter

LogicMachine

Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Object filter

Name or group address:

Data type:  
All datatypes

Tags:  
1,2,3

Match mode:  
 All tags  Any tag

Apply filter Cancel

Group ad...	Object name	IP > L...	Loc > ...	Event...	Data type	Current value	Log	Export	Tags	Updated at	Set v...	Vis. p...	Custo...	Delete
1/1/3	test3				01. 1 bit (bool...	0			1, 2, 3	19.02.2018 11...				
32/1/1	test4				01. 1 bit (bool...	0			1, 2, 3, 4	26.02.2018 13...				

Add new object Auto update enabled Clear Mass edit Mass delete Page 1 of 1 Loc > TP policy: None; TP > Loc policy: None Displaying objects 1 - 2 of 2

Version: 20170620 CPU/IO: 0.01 0.00 0.00, Memory: 14%, KNX/TP: ERROR Sync project data

选择所有标签

# Logic Machine > Objects > Object filter

LogicMachine

Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Object filter

Name or group address:

Data type: All datatypes

Tags: 1,2,3

Match mode:  All tags  Any tag

Apply Cancel

Group ad...	Object name	IP > L...	Loc > ...	Event...	Data type	Current value	Log	Export	Tags	Updated at	Set v...	Vis. p...	Custo...	Delete
1/1/1	test1	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>	1	19.02.2018 11...				
1/1/2	test2	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>	1, 2	19.02.2018 11...				
1/1/3	test3	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>	1, 2, 3	19.02.2018 11...				
32/1/1	test4	<input type="checkbox"/>	<input type="checkbox"/>		01. 1 bit (bool...	0	<input type="checkbox"/>	<input type="checkbox"/>	1, 2, 3, 4	26.02.2018 13...				

Add new object Auto update enabled Clear Mass edit Mass delete Page 1 of 1 Loc > TP policy: None; TP > Loc policy: None Displaying objects 1 - 4 of 4

Version: 20170620 CPU/IO: 0.03 0.01 0.00, Memory: 14%, KNX/TP: ERROR Sync project data

选择任意标签

## Objects logs —— 群组对象日志

# Logic Machine > Objects logs

LogicMachine Language: English [Start page](#) [Logout](#)

Objects **Object logs** Scripting Schedulers Trend logs Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Object log filter

Start date:

End date:

Name or group address:

Tags:

Value:

Source address:

Log time	Object address	Type	Source address	Object name	Decoded value	Data type	Object data (number)
27.02.2018 09:30:22.462	1/1/2	write	local	test2	0	01. 1 bit (boolean)	00
27.02.2018 09:30:19.382	1/1/2	write	local	test2	1	01. 1 bit (boolean)	01
27.02.2018 09:30:14.259	1/1/2	write	local	test2	0	01. 1 bit (boolean)	00
27.02.2018 09:30:07.710	1/1/2	write	local	test2	1	01. 1 bit (boolean)	01

记录时间

对象地址

操作类型

源地址

对象名称

解码

数据类型

对象数据 (数字)

Displaying logs 1 - 4 of 4

Version: 20170620 CPU/IO: 0.02 0.09 0.08, Memory: 13%, KNX/TP: ERROR

# Logic Machine > Objects logs > Object filter

对象日志过滤功能

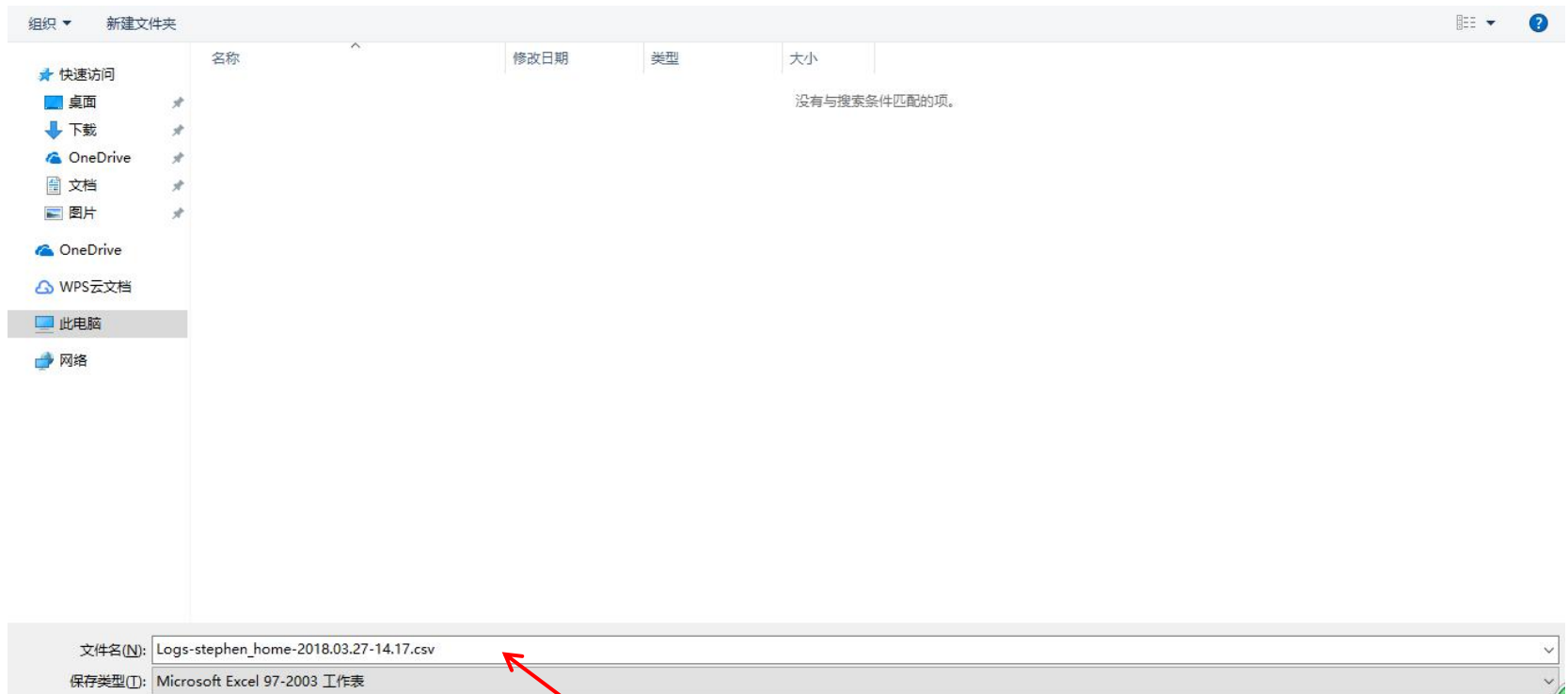
The screenshot shows the Logic Machine interface with the 'Object logs' tab selected. On the left is the 'Object log filter' panel, and on the right is a table of log entries. Red arrows point from Chinese labels to specific UI elements:

- Start date: 起止时间
- End date: 起止时间
- Name or group address: 名称或组地址
- Tags: 标签 (对象标签)
- Value: 值
- Source address: 源地址
- Clear button: 清除
- Export all logs button: 导出所有日志
- Refresh button: 刷新

Log time	Object address	Type	Source address	Object name	Decoded value	Data type	Object data (number)
27.02.2018 09:30:22.462	1/1/2	write	local	test2	0	01. 1 bit (boolean)	00
27.02.2018 09:30:19.382	1/1/2	write	local	test2	1	01. 1 bit (boolean)	01
27.02.2018 09:30:14.259	1/1/2	write	local	test2	0	01. 1 bit (boolean)	00
27.02.2018 09:30:07.710	1/1/2	write	local	test2	1	01. 1 bit (boolean)	01

清除 导出所有日志 刷新

# Logic Machine > Objects logs > Object filter



csv的文件后缀

# Scripting —— 脚本编辑

# Logic Machine > Scripting

LogicMachine

Language: English Start page Logout

Objects Object logs **Scripting** Schedulers Trend logs Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Event-based Resident Scheduled User libraries Common functions Start-up (init) script Tools Filter scripts by category: All categories

Script name	Group address / tag	Description	Category	Editor	Active	Duplicate	Delete
Event for test1 (1/1/1)	1/1/1						
Event for test2 (1/1/2)	1/1/2						
Event for test4 (32/1/1)	32/1/1						

工具

事件脚本 常运行脚本 日程脚本 用户数据库 (不常用) 常用功能 (不常用) init启动脚本 (不常用)

Add new script

Version: 20170620 CPU/IO: 0.09 0.03 0.01, Memory: 14%, KNX/TP: ERROR Sync project data

# Logic Machine > Scripting > Event-based

Script name: [ ]  
Group address / tag: [ ]  
Active:   
Execute on group read:   
Category: [ ]  
Description: [ ]

脚本名称  
组地址/标签  
类别  
描述  
激活  
指定脚本是否在群组读取报文时执行

192.168.0.10/scada-main# CPU/IO: 0.00 0.00 0.00, Memory: 15%, KNX/TP: ERROR 44% OK's OK's data

# Logic Machine > Scripting > Event-based

LogicMachine Language: English [Start page](#) [Logout](#)

Objects | Object logs | **Scripting** | Schedulers | Trend logs | Scenes | Vis. structure | Visualization | Vis. graphics | Utilities | User access | Dali | Modbus | 1-wire | Alerts | Logs | Error log | About

Event-based | Resident | Scheduled | User libraries | Common functions | Start-up (init) script | Tools

Filter scripts by category: All categories

Script name	Group address / tag	Description	Category	Editor	Active	Duplicate	Delete
Event for test1 (1/1/1)	1/1/1						
Event for test2 (1/1/2)	1/1/2						
Event for test4 (32/1/1)	32/1/1						

脚本名称      组地址/标签      描述      类别      编辑器      激活      复制

Version: 20170620 CPU/IO: 0.09 0.03 0.01, Memory: 14%, KNX/TP: ERROR [Sync project data](#)

# Logic Machine > Scripting > Resident

Script name

Script name	Sleep interval (seconds)	Description	Category	Edit	Delete
test	5				
test1	3				

Resident script

Script name:

Sleep interval (seconds):

Active:

Category:

Description:

Save Cancel

脚本名称

轮训周期 (最大60s)

类别

描述

激活

Add new script

192.168.0.10/scada-main# CPU/IO: 0.08 0.02 0.01, Memory: 14%, KNX/TP: ERROR 46% 0.4K/s 0.7K/s data

# Logic Machine > Scripting > Scheduled

Script name: test222 Start at (cron for): 1 3 4 \* \*

**脚本名称**

**分钟**

**小时**

**几日**

**几月**

**每周几**

**类别**

**描述**

**激活**

192.168.0.10/scada-main# CPU/IO: 0.02 0.02 0.00, Memory: 14%, KNX/TP: ERROR 45% 0.4K's OK's data

# Logic Machine > Scripting > Scheduled

The screenshot shows the Logic Machine software interface. The 'Scripting' menu is active, and the 'Scheduled' sub-menu is selected. A table of scripts is visible, with one script named 'test222' having a start time of '1 3 4 \* \*'. A 'Scheduled script' dialog box is open, allowing configuration for a new script. The 'Script name' is 'test222'. The 'Minute' is set to '1', 'Hour' to '3', and 'Day of the month' to '4'. A red arrow points to the '4' in the 'Day of the month' field. A tooltip is displayed over the '4', providing information about cron format parameters. The tooltip text is as follows:

Scheduled scripting uses standard cron format for date/time parameters.  
Possible values are:  
\* — execute script every minute, hour or day  
\*/N — execute script every N minutes, hours or days. N is an integer, script is executed when current value divided by N gives 0 in modulo. For example, script with hour parameter set to \*/8 will be executed when hour is 0, 8 and 16  
N — execute script when minute, hour or day matches N  
N-K — execute script when minute, hour or day is between N-K range (inclusive)  
N,K — it is possible to specify several N and N-K type parameters separated by comma. For example, script with minute parameter set to 15,50-52 will be executed when minute is 15, 50, 51 and 52

The dialog box also includes fields for 'Active', 'Category', and 'Description', along with 'Save' and 'Cancel' buttons.

## Logic Machine > Scripting > Scheduled

Scheduled scripting uses standard cron format for date/time parameters.  
Possible values are:

- \* — execute script every minute, hour or day
- \*/N — execute script every N minutes, hours or days. N is an integer, script is executed when current value divided by N gives 0 in modulo. For example, script with hour parameter set to \*/8 will be executed when hour is 0, 8 and 16
- N — execute script when minute, hour or day matches N
- N-K — execute script when minute, hour or day is between N-K range (inclusive)
- N,K — it is possible to specify several N and N-K type parameters separated by comma. For example, script with minute parameter set to 15,50-52 will be executed when minute is 15, 50, 51 and 52

日程脚本使用标准的cron格式（源于linux系统）来编辑日期/时间参数：

**\***：每分钟、小时或天都**执行**脚本

**\*/N**：每经过N分钟、小时或天执行脚本。N为整数，当前值除以N得模数（即余数）为0时，脚本执行。例如，脚本的小时参数设置为\*/8，脚本将会在0点、8点和16点钟执行。

**N**：脚本在N分、N时或N天执行

**N-K**：脚本在N-K时间段执行（包含N和K）

**N,K**：可以通过逗号（英文字符格式）来将多个N类型和N-K类型的参数进行组合，例如，脚本的分钟参数设置为15, 50-52，则脚本将会在15, 50, 51, 52分钟执行

# Logic Machine > Scripting > Scheduled

The screenshot shows the LogicMachine interface with the 'Scripting' tab selected. Under the 'Scheduled' sub-tab, a table lists a script named 'test222'. The table has columns for 'Script name', 'Start at (cron format)', 'Description', 'Category', 'Editor', 'Active', 'Duplicate', and 'Delete'. Red arrows point from Chinese labels below to these columns: '脚本名称' to 'Script name', '启动时间' to 'Start at (cron format)', '描述' to 'Description', '类别' to 'Category', '编辑器' to 'Editor', '激活' to 'Active', and '复制' to 'Duplicate'.

Script name	Start at (cron format)	Description	Category	Editor	Active	Duplicate	Delete
test222	1 3 4 **						

脚本名称      启动时间      描述      类别      编辑器      激活      复制

Version: 20170620      CPU/IO: 0.00 0.01 0.00, Memory: 15%, KNX/TP: ERROR      53%      1.1M/s      3.2M/s      data

# Logic Machine > Scripting > Tools

The screenshot shows the Logic Machine software interface. At the top, there are navigation tabs: Objects, Object logs, **Scripting**, Schedulers, Trend logs, Scenes, Vis. structure, Visualization, Vis. graphics, Utilities, User access, Dali, Modbus, 1-wire, Alerts, Logs, Error log, and About. Below these are icons for different script types: Event-based, Resident, **Scheduled**, User libraries, Common functions, and Start-up (init) script. A table lists a script named 'test222' with a start time of '1 3 4 \*\*'. A 'Tools' dropdown menu is open, showing options: Backup scripts, Restore scripts, Print script listings, Edit custom JavaScript, and Show logs window. Red arrows point from Chinese text labels to these menu items.

Script name	Start at (cron format)	Description
test222	1 3 4 **	

Annotations:

- 备份脚本 (Backup scripts)
- 恢复脚本 (Restore scripts)
- 打印脚本列表 (Print script listings)
- 编辑自定义 JavaScript (Edit custom JavaScript)
- 显示日志窗口 (Show logs window)

System status bar at the bottom shows: CPU/IO: 0.00 0.00 0.00, Memory: 15%, KNX/TP: ERROR, 53% disk usage, 1.5M/s network speed, and 33K/s data rate.

Logic Machine > Scripting > Tools > Backup scripts

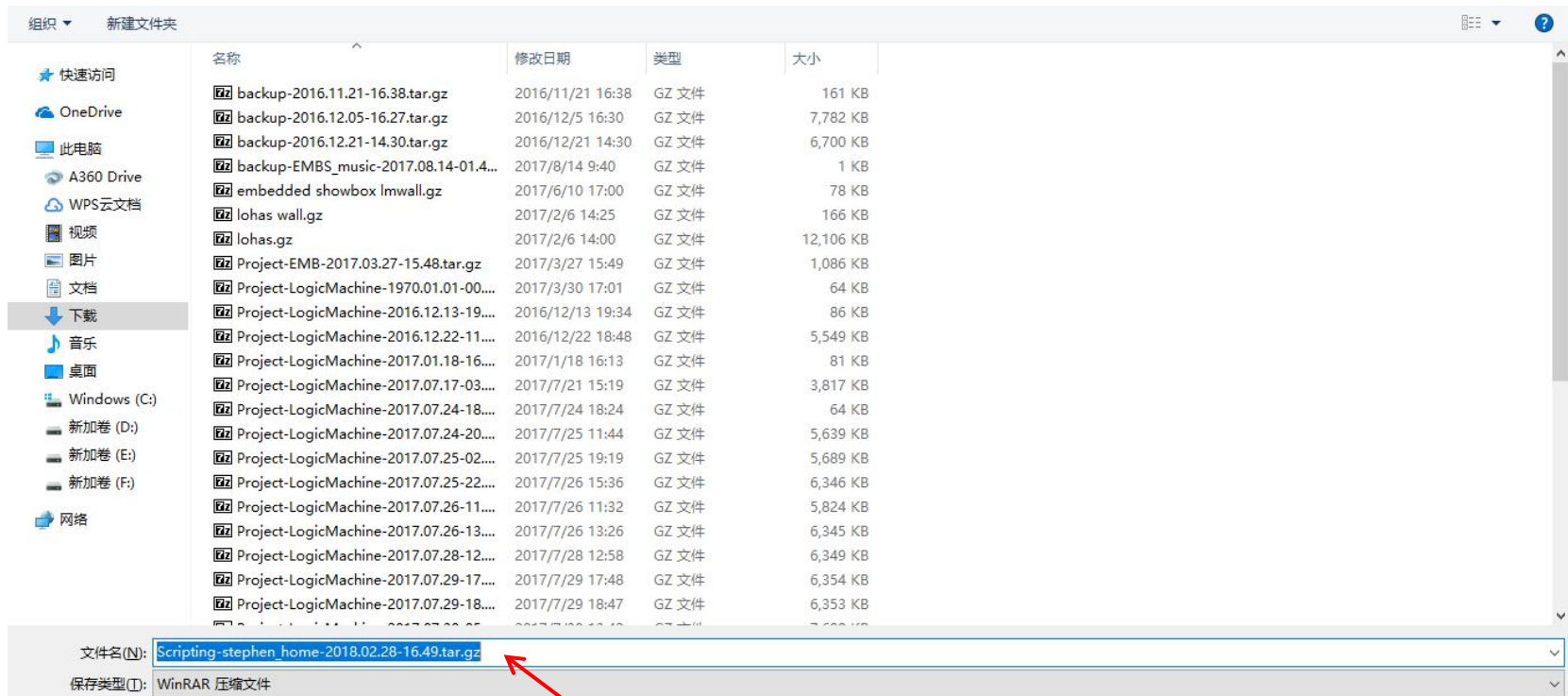
The screenshot shows the Logic Machine interface with the 'Scripting' tab selected. A dialog box titled 'Backup scripts' is open, asking 'Include Common functions and Start-up (init) script?'. A red arrow points to the question mark icon in the dialog. The background shows a table of scripts and various navigation tabs.

Script name	Group address / tag	Description	Category	Editor	Active	Duplicate	Delete
Event for test1 (1/1/1)	1/1/1						
Event for test2 (1/1/2)	1/1/2						
Event for test4 (32/1/1)	32/1/1						

Version: 20170620 CPU/IO: 0.00 0.06 0.05, 70% 1.4M/s 39.2K/s TP: ERROR Sync project data

包含通用脚本和init脚本吗?  
(无特殊情况选yes)

Logic Machine > Scripting > Tools > Backup scripts



. tar. gz的文件后缀

# Logic Machine > Scripting > Tools > Restore scripts

LogicMachine

Language: English Start page Logout

Objects Object logs **Scripting** Schedulers Trend logs Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Event-based Resident Scheduled User libraries Common functions Start-up (init) script Tools Filter scripts by category: All categories

Script name	Group address / tag	Description	Category	Editor	Active	Duplicate	Delete
Event for test1 (1/1/1)	1/1/1						
Event for test2 (1/1/2)	1/1/2						
Event for test4 (32/1/1)	32/1/1						

移除已有脚本并导入备份脚本

保留已有脚本并导入备份脚本

192.168.0.10/scada-main# CPU/IO: 0.15 0.06 0.04, 71% 1.4M/s 34.5K/s TP: ERROR Sync project data

## 弹出新网页对话框

### Event for test2 (1/1/2)

Type: Event-based  
Active: Yes  
Group address / tag: 1/1/2

### Event for test4 (32/1/1)

Type: Event-based  
Active: Yes  
Group address / tag: 32/1/1

### Category: Unknown

#### test

Type: Resident  
Active: No  
Sleep interval (seconds): 5

```
require('serial')
port = serial.open('/dev/RS485-1', {
  baudrate = 9600,
  databits = 8,
  stopbits = 1,
  parity = 'none',
  duplex = 'half'
})
```

```
data = port:read(10, 1)
```



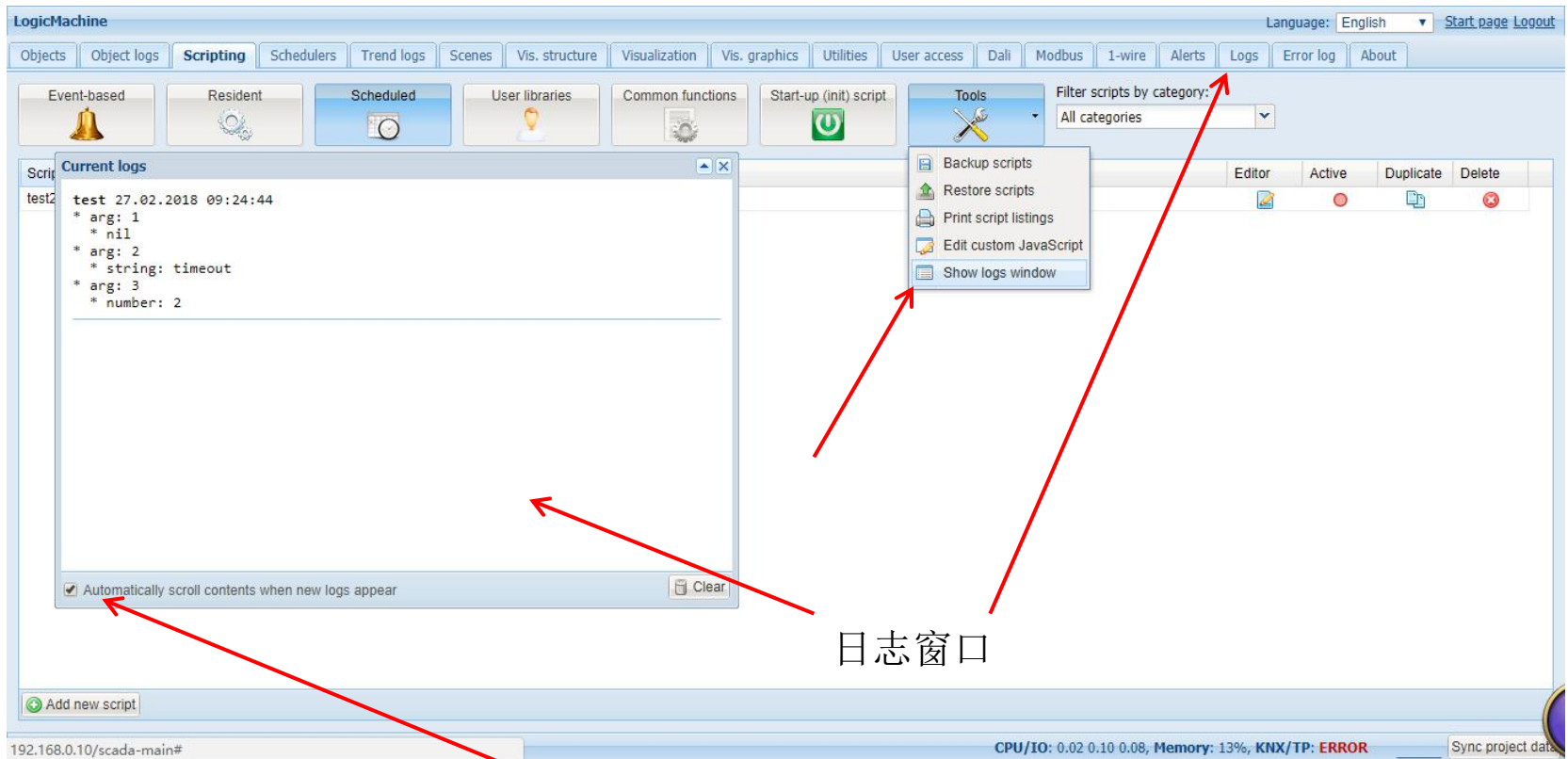
Logic Machine > Scripting > Tools > JavaScript

The screenshot shows a web-based editor window titled "Custom JavaScript". The main area contains a code template with three lines of text: a function declaration, a comment, and a closing brace. At the bottom of the window, there is a toolbar with three buttons: "Upload custom JavaScript" (with a plus icon), "Save", and "Save and close".

```
1 $(function(){  
2   // your code here  
3 });
```

Upload custom JavaScript Save Save and close Close

# Logic Machine > Scripting > Tools > Show logs window



日志窗口

当新日志出现时自动滚动内容

## Schedulers —— 日程表编辑

# Logic Machine > Schedulers > Schedulers

LogicMachine Language: English Start page Logout

Objects Object logs Scripting **Schedulers** Trend logs Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Schedulers Holidays

Name	Object	Start date	End date	Events	Move up	Move d...	Active	Duplicate	Delete
------	--------	------------	----------	--------	---------	-----------	--------	-----------	--------

日程表 假期

Add scheduler Direct link

Version: 20170620 CPU/IO: 0.00 0.00 0.00, Memory: 14%, KNX/TP: ERROR Sync project data...

# Logic Machine > Schedulers > Schedulers

LogicMachine

Language: English Start page Logout

Objects Object logs Scripting **Schedulers** Trend logs Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Schedulers Holidays

Name	Object	Start date	End date	Events	Move up	Move d...	Active	Duplicate	Delete
------	--------	------------	----------	--------	---------	-----------	--------	-----------	--------

激活

组对象

名称

起止时间

Add scheduler Direct link

192.168.0.10/scada-main# CPU/IO: 0.00 0.00 0.00, Memory: 13%, KNX/TP: ERROR Sync project data

# Logic Machine > Schedulers > Schedulers

The screenshot shows the 'Schedulers' tab in the Logic Machine software. A table lists a scheduler named '测试' (Test) with object '1/1/2 test2', start date '01 January', and end date '31 December'. Below the table, red arrows point from Chinese labels to specific columns and buttons in the interface.

Name	Object	Start date	End date	Events	Move up	Move d...	Active	Duplicate	Delete
测试	1/1/2 test2	01 January	31 December						

名称                      组对象                      起止时间                      事件   上移   下移                      激活                      复制

Add scheduler   Direct link

Version: 20170620                      CPU/IO: 0.00 0.00 0.00, Memory: 13%, KNX/TP: ERROR                      Sync project data

The screenshot shows the 'Events for scheduler 测试' configuration window in Logic Machine. The window contains the following fields and options:

- Active:** A checked checkbox, annotated with '激活' (Activate).
- Name:** A text input field, annotated with '名称' (Name).
- Run at:** A dropdown menu set to 'Specific time', annotated with '运行在.. (三种选项)' (Run at.. (three options)).
- Start time:** A time selector showing 12 hr 00 min.
- Day of the week:** A dropdown menu set to 'All', annotated with '星期x' (Day of the week x).
- Weekday in month:** A dropdown menu set to 'All', annotated with '每月x周' (Every month x weeks).
- Days of the month:** A dropdown menu set to 'All', annotated with '每月x天' (Every month x days).
- Months:** A dropdown menu set to 'All', annotated with 'x月' (x month).
- Year:** A dropdown menu, annotated with 'x年' (x year).
- Holidays:** A dropdown menu set to 'No effect', annotated with '假期 (三种选项)' (Holiday (three options)).
- Value:** A dropdown menu set to '- Not set -', annotated with '值操作 (可扩展)' (Value operation (expandable)).
- Footer:** A note that says 'Leave year blank for recurring events' and a 'Save' button, annotated with '年度栏留空, 事件循环' (Leave year blank, event loop).

At the bottom left of the window, there is an 'Add event' button, annotated with 'Add event'.

Logic Machine > Schedulers > Schedulers > Events

LogicMachine

Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Schedulers Holidays

Events for scheduler 测试

Name	Start time	Value	Active	Delete
测试				

具体时间  
日出  
日落

Event

Active:

Name:

Run at: Specific time

Start time: Specific time

Day of the week: Sunrise

Weekday in month: All

Days of the month: All

Months: All

Year:

Holidays: No effect

Value: - Not set -

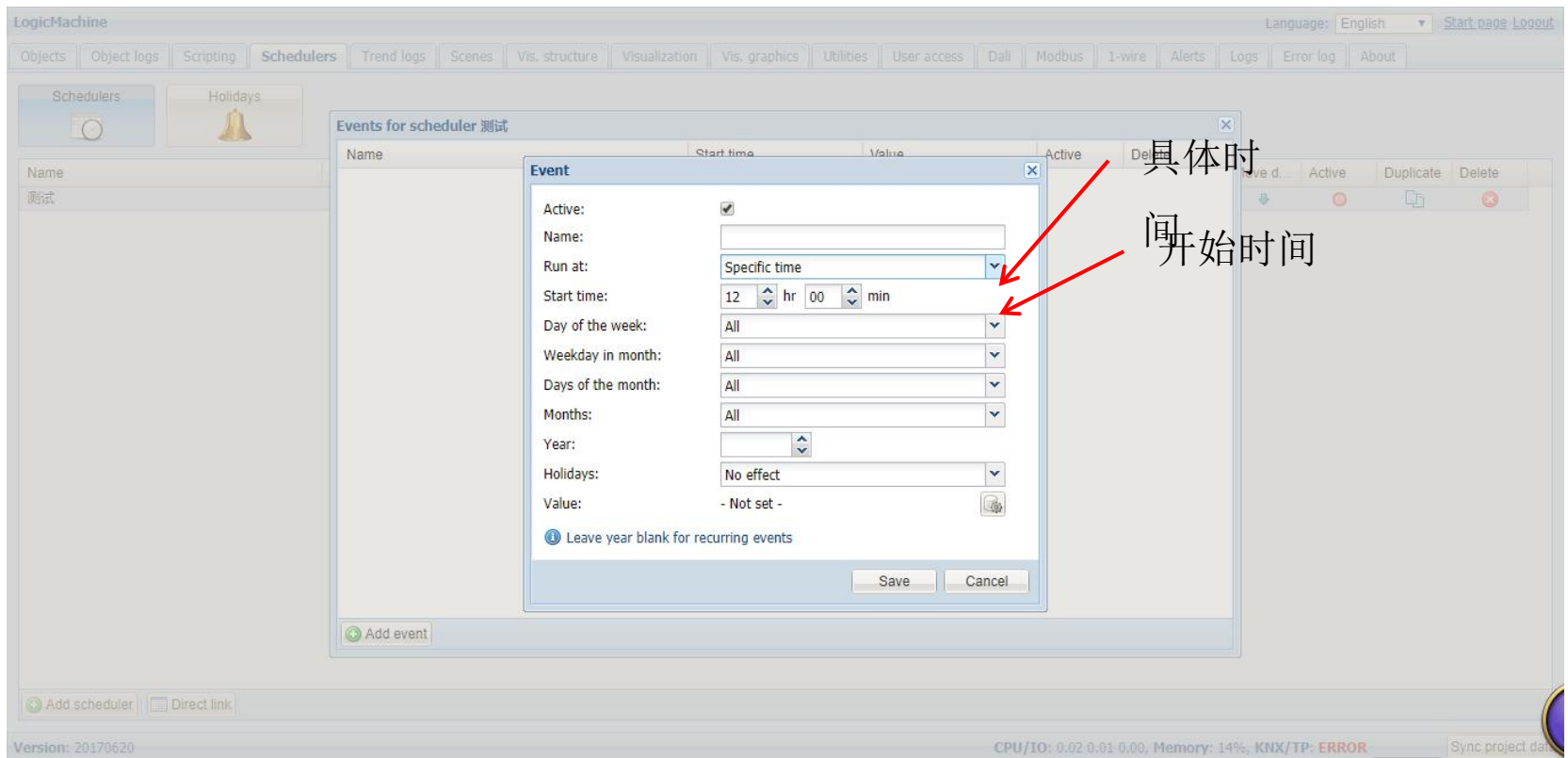
Leave year blank for recurring events

Save Cancel

Add event

Add scheduler Direct link

Version: 20170620 CPU/IO: 0.05 0.01 0.00, Memory: 14%, KNX/IP: ERROR Sync project data



Logic Machine > Schedulers > Schedulers > Events

LogicMachine

Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Schedulers Holidays

Events for scheduler 测试

Name Start time Value Active Delete

Name 测试

Event

Active:

Name:

Run at: Sunrise

Start time offset: 0 hr 00 min

Day of the week: All

Weekday in month: All

Days of the month: All

Months: All

Year:

Holidays: No effect

Value: - Not set -

Leave year blank for recurring events

Save Cancel

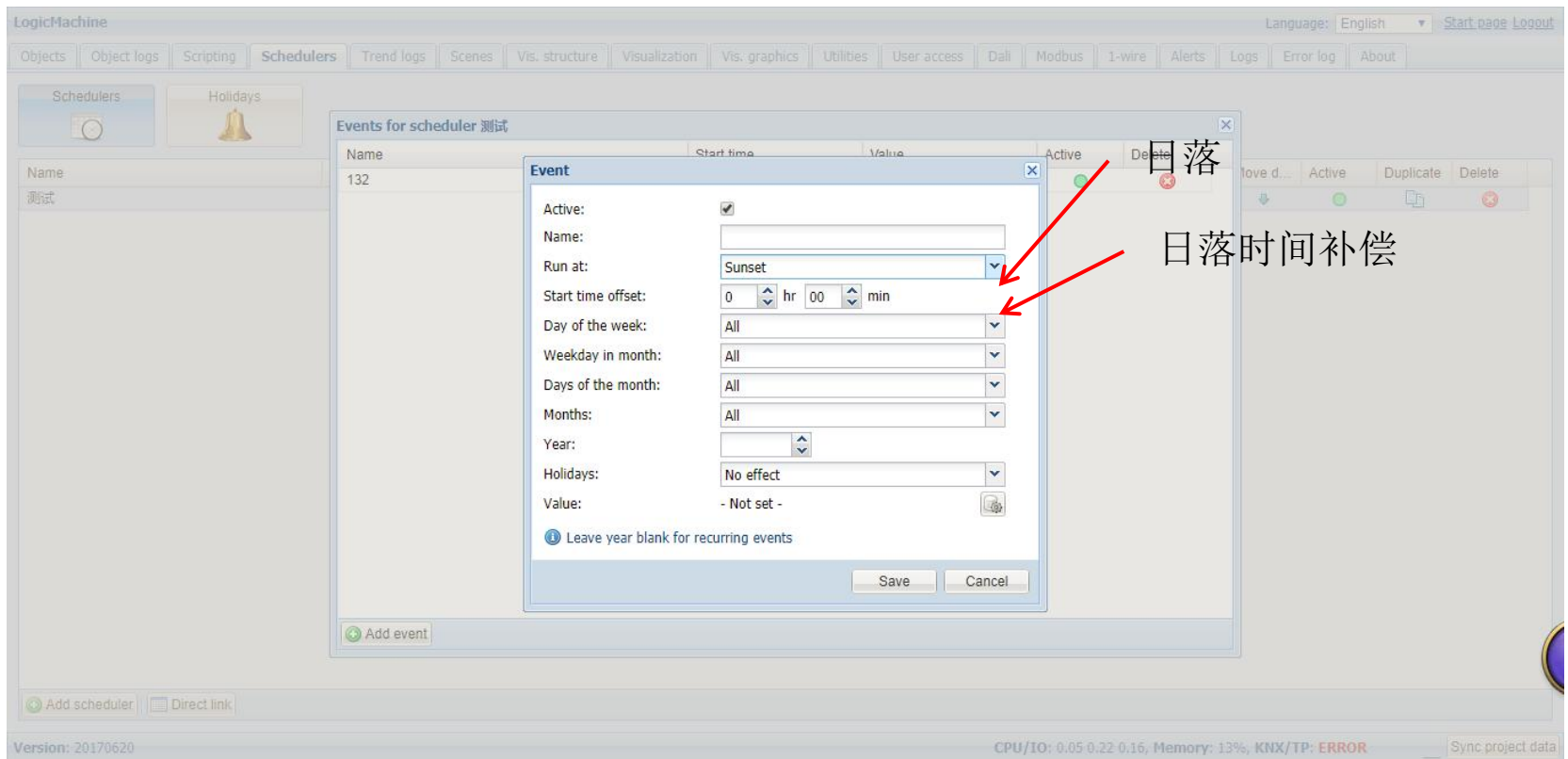
Add event

Add scheduler Direct link

Version: 20170620 CPU/IO: 0.05 0.03 0.00, Memory: 14%, KNX/IP: ERROR Sync project data

日出

日出时间补偿



The screenshot shows the Logic Machine interface with the 'Schedulers' tab selected. A dialog box titled 'Event' is open, showing configuration options for an event. The 'Run at' dropdown is set to 'Sunset'. Two red arrows point to the 'Run at' dropdown and the 'Start time offset' field. Chinese text '日落' (Sunset) and '日落时间补偿' (Sunset time compensation) is overlaid on the image, with arrows pointing to the 'Run at' dropdown and the 'Start time offset' field respectively. The 'Event' dialog includes fields for Name, Run at, Start time offset, Day of the week, Weekday in month, Days of the month, Months, Year, Holidays, and Value. The 'Active' checkbox is checked. The 'Value' field is set to '- Not set -'. The 'Save' and 'Cancel' buttons are at the bottom of the dialog. The background shows a table of events for scheduler '测试' with columns for Name, Start time, Value, Active, and Delete. The version number '20170620' is visible at the bottom left, and system status information like 'CPU/IO: 0.05 0.22 0.16, Memory: 13%, KNX/TP: ERROR' is at the bottom right.

Logic Machine > Schedulers > Schedulers > Events

LogicMachine

Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Schedulers Holidays

Events for scheduler 测试

Name 132

Event

Active:

Name:

Run at: Specific time

Start time: 12 hr 00 min

Day of the week: All

Weekday in month: All

Days of the month: All

Months: All

Year:

Holidays: No effect

Value: No effect

Do not run on holidays

Run only on holidays

Leave year blank for recurring events

Save Cancel

无影响

假日不运行

只在假日运行

Version: 20170620 CPU/IO: 0.01 0.15 0.14, Memory: 13%, KNX/TP: ERROR Sync project data

Logic Machine > Schedulers > Schedulers > Events

The screenshot shows the Logic Machine interface with the 'Event' configuration dialog box open. The dialog box contains the following fields and options:

- Active:
- Name:
- Run at:
- Start time:  hr  min
- Day of the week:
- Weekday in month:
- Days of the month:
- Months:
- Year:
- Holidays:
- Value:

A red arrow points to the 'Value' field with the Chinese text: 最后千万别忘了 设定值 (Don't forget to set the value at the end).

Logic Machine > Schedulers > Schedulers > Events

LogicMachine

Language: English Start page Logout

Objects Object logs Scripting **Schedulers** Trend logs Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Schedulers Holidays

Name 测试

Events for scheduler 测试

Name	Start time	Value	Active	Delete
132	12:00	1	●	✖

名称 名称 设定值 激活

Add event

Add scheduler Direct link

Version: 20170620 CPU/IO: 0.02 0.05 0.09, Memory: 13%, KNX/TP: ERROR Sync project data

# Logic Machine > Schedulers > Schedulers

The screenshot shows the Logic Machine web interface. At the top, there are navigation tabs: Objects, Object logs, Scripting, Schedulers, Trend logs, Scenes, Vis. structure, Visualization, Vis. graphics, Utilities, User access, Dali, Modbus, 1-wire, Alerts, Logs, Error log, and About. The 'Schedulers' tab is active. Below the tabs, there are two buttons: 'Schedulers' (with a clock icon) and 'Holidays' (with a bell icon). A table lists the schedulers:

Name	Object	Start date	End date	Events	Move up	Move d...	Active	Duplicate	Delete
测试	1/1/2 test2	01 January	31 December						

A 'Direct link' dialog box is open in the center. It contains the following fields and options:

- Scheduler: A dropdown menu.
- Link: A text input field.
- Include IP / host: A checkbox (unchecked).
- Show holidays: A checkbox (checked).

Red arrows point from Chinese labels to these elements:

- '日程' (Schedule) points to the Scheduler dropdown.
- '链接' (Link) points to the Link text input.
- '包含IP/主机' (Include IP/Host) points to the Include IP / host checkbox.
- '显示假日' (Show holidays) points to the Show holidays checkbox.
- 'Add scheduler' points to the 'Add scheduler' button at the bottom left.

At the bottom of the interface, there is a status bar with the following information: 192.168.0.10/scada-main#, CPU/IO: 0.05 0.03 0.03, Memory: 14%, KNX/IP: ERROR, and Sync project data.

# Logic Machine > Schedulers > Schedulers

**Direct link** [X]

Scheduler: 测试 [v]

Link: /scada-vis/schedulers?id=1

Include IP / host:

Show holidays:

**Direct link** [X]

Scheduler: 测试 [v]

Link: http://192.168.0.10/scada-vis/schedulers?id=1

Include IP / host:

Show holidays:

# Logic Machine > Schedulers > Schedulers

**Direct link** [X]

Scheduler: 测试

Link: <http://192.168.0.10/scada-vis/schedulers?id=1&nohol>

Include IP / host:

Show holidays:

**Direct link** [X]

Scheduler: 测试

Link: </scada-vis/schedulers?id=1&nohol>

Include IP / host:

Show holidays:

# Logic Machine > Schedulers > Schedulers

The screenshot shows the Logic Machine software interface. The main window displays a scheduler configuration for a widget named "测试" (Test). The scheduler is active and scheduled to run from January 1st to December 31st. A table below shows the configuration details:

Name	132
Run at	12:00
Value	1

The right-hand side of the interface features a "Plan editor" panel with various settings for the visualization, including object type, status, and display mode. The status is set to "Use main object" and the display mode is "Icon and value".

At the bottom of the window, the status bar shows system information: "192.168.0.10/scada-main#" on the left, "CPU/IO: 0.00 0.01 0.00, Memory: 14%, KNX/TP: ERROR" in the center, and "Sync project data" on the right.

# Logic Machine > Schedulers > Holidays

LogicMachine

Language: English Start page Logout

Objects Object logs Scripting **Schedulers** Trend logs Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Schedulers Holidays

Name	Period	Duration (days)	Delete
------	--------	-----------------	--------

**Holiday**

Name:

Holiday type: Specific date

Day: 01

Month: January

Year:

Duration (days): 1

Leave year blank for recurring holidays

Save Cancel

名称

假日类型 (两种类型)

月

年

持续时间 (最长90天)

年度栏留空, 事件循环

Add holiday

192.168.0.10/scada-main# CPU/IO: 0.00 0.00 0.00, Memory: 14%, KNX/IP: ERROR Sync project data

# Logic Machine > Schedulers > Holidays

LogicMachine

Language: English Start page Logout

Objects Object logs Scripting **Schedulers** Trend logs Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Schedulers Holidays

Name	Period	Duration (days)	Delete
------	--------	-----------------	--------

**Holiday**

Name:

Holiday type: Specific date

Day: 01

Month: January

Year:

Duration (days): 1

Leave year blank for recurring holidays

Save Cancel

指定日期

日期从1-31可选

Add holiday

192.168.0.10/scada-main# CPU/I/O: 0.00 0.00 0.00, Memory: 14%, KNX/IP: ERROR Sync project data

# Logic Machine > Schedulers > Holidays

The screenshot shows the Logic Machine interface with the 'Schedulers' > 'Holidays' menu path. A 'Holiday' dialog box is open, allowing configuration of a holiday. The dialog box contains the following fields:

- Name: [Text input field]
- Holiday type: Day of the week [Dropdown menu]
- Day of the week: 1st [Dropdown menu] Monday [Dropdown menu]
- Month: 1st [Dropdown menu]
- Year: 2nd [Dropdown menu]
- Duration (days): 3rd [Dropdown menu]
- 4th [Dropdown menu]
- 5th [Dropdown menu]
- Last [Dropdown menu]

Red arrows point to the 'Day of the week' dropdown (labeled '第x周') and the 'Monday' dropdown (labeled '星期x').

Version: 20170620 CPU/IO: 0.34 0.13 0.04, Memory: 14%, KNX/IP: ERROR Sync project data

# Logic Machine > Schedulers > Holidays

LogicMachine Language: English Start page Logout

Objects Object logs Scripting **Schedulers** Trend logs Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Schedulers Holidays

Name	Period	Duration (days)	Delete
test	01 January	1	
ts	1st Monday, January	1	

名称 期间 持续时间

Add holiday

Version: 20170620 CPU/IO: 0.27 0.16 0.06, Memory: 14%, KNX/IP: ERROR Sync project data

# Trend Logs —— 趋势图表

The screenshot shows the Logic Machine interface with the 'Trend logs' tab selected. A 'Trend log' dialog box is open, allowing configuration of a new trend log. The dialog contains the following fields and options:

- Object: (Dropdown menu)
- Name: (Text input)
- Log type: Counter (Dropdown menu)
- Trend resolution: 1 hour (Dropdown menu)
- Decimal places: 2 (Spin box)
- Resolution data: 180 days (Dropdown menu)
- Daily data: 2 years (Dropdown menu)
- Always show zero:  On graph Y axis

Annotations in Chinese:

- 趋势解析 (可扩展) - Trend analysis (expandable)
- 解析数据时间 - Data analysis time
- 日常数据 (可扩展) - Daily data (expandable)
- 组对象 - Group object
- 名称 - Name
- 日志类型 (三种选项) - Log type (three options)
- 小数位 (0到8 可选) - Decimal places (0 to 8, optional)
- 是否在Y轴始终从0点显示 - Whether to always show 0 on the Y-axis

At the bottom left of the dialog, there are buttons for 'Add new trend log' and 'Direct link'. The main interface shows a table with columns: Name, Object, Log type, Decimal places, Trend resolution, Resolution data, Daily data, Log size, Created, Move up, Move d..., Delete.

# Logic Machine > Trend Logs

变化值计数：此数值在一段时间的变化量。例如当前值从20变为22，则计数统计为2，当前值从22变为20，则计数统计为-2，能够了解到值的增加和减小

变化值（正数）计数：此数值在一段时间的变化量。例如当前值从20变为22，则计数统计为2，说明此值变化了2个单位

绝对值计数：此数值在一段时间内的统计。

Name	Object	Decimal places	Trend resolution	Resolution data	Daily data	Log size	Created	Move up	Move d...	Delete
温度计数 5分钟 30天...	32/0/1 THP-201-T26 - Temp...	2	5 minutes	30 days	2 years	74 KB	2018.03.06 13:00	↑	↓	✖
温度计数 10分钟 30天...	32/0/1 THP-201-T26 - Temp...	2	10 minutes	30 days	1 year	38 KB	2018.03.06 13:00	↑	↓	✖
温度计数 15分钟 30天...	32/0/1 THP-201-T26 - Temp...	2	15 minutes	30 days	1 year	26 KB	2018.03.06 13:00	↑	↓	✖
温度计数 20分钟 30天...	32/0/1 THP-201-T26 - Temp...	2	20 minutes	30 days	1 year	15 KB	2018.03.06 13:00	↑	↓	✖
温度计数 30分钟 30天...	32/0/1 THP-201-T26 - Temp...	2	30 minutes	30 days	1 year	9 KB	2018.03.06 13:00	↑	↓	✖
温度计数 1小时 30天...	32/0/1 THP-201-T26 - Temp...	2	1 hour	30 days	1 year	38 KB	2018.03.06 13:00	↑	↓	✖
温度计数 1小时 180天...	32/0/1 THP-201-T26 - Temp...	2	1 hour	180 days	1 year	72 KB	2018.03.06 13:10	↑	↓	✖
温度计数 1小时 1年 1年...	32/0/1 THP-201-T26 - Temp...	2	1 hour	1 year	1 year	141 KB	2018.03.06 13:10	↑	↓	✖
温度计数 1小时 2年 2年...	32/0/1 THP-201-T26 - Temp...	2	1 hour	2 years	1 year	346 KB	2018.03.06 13:10	↑	↓	✖
温度计数 1小时 5年 5年...	32/0/1 THP-201-T26 - Temp...	2	1 hour	5 years	1 year	349 KB	2018.03.06 13:12	↑	↓	✖
温度计数 1小时 1年 1年...	32/0/1 THP-201-T26 - Temp...	2	1 hour	1 year	1 year	357 KB	2018.03.06 13:12	↑	↓	✖
温度绝对值 1小时 30天...	32/0/1 THP-201-T26 - Temp...	Absolute value	1 hour	30 days	1 year	372 KB	2018.03.06 13:12	↑	↓	✖
温度绝对值 1小时 180天...	32/0/1 THP-201-T26 - Temp...	Absolute value	1 hour	180 days	1 year	9 KB	2018.03.07 09:12	↑	↓	✖
温度绝对值 1小时 1年...	32/0/1 THP-201-T26 - Temp...	Absolute value	1 hour	1 year	1 year	38 KB	2018.03.07 09:12	↑	↓	✖
温度绝对值 1小时 2年...	32/0/1 THP-201-T26 - Temp...	Absolute value	1 hour	2 years	1 year	72 KB	2018.03.07 09:12	↑	↓	✖
温度绝对值 1小时 5年...	32/0/1 THP-201-T26 - Temp...	Absolute value	1 hour	5 years	1 year	141 KB	2018.03.07 09:13	↑	↓	✖
温度负三角函数 1小时...	32/0/1 THP-201-T26 - Temp...	Counter with negative...	1 hour	1 year	1 year	346 KB	2018.03.07 09:13	↑	↓	✖
温度负三角函数 1小时...	32/0/1 THP-201-T26 - Temp...	Counter with negative...	1 hour	180 days	1 year	9 KB	2018.03.08 09:37	↑	↓	✖
温度负三角函数 1小时...	32/0/1 THP-201-T26 - Temp...	Counter with negative...	1 hour	1 year	1 year	38 KB	2018.03.08 09:39	↑	↓	✖
温度负三角函数 1小时...	32/0/1 THP-201-T26 - Temp...	Counter with negative...	1 hour	1 year	1 year	72 KB	2018.03.08 09:39	↑	↓	✖
温度负三角函数 1小时...	32/0/1 THP-201-T26 - Temp...	Counter with negative...	1 hour	2 years	1 year	141 KB	2018.03.08 09:40	↑	↓	✖
温度负三角函数 1小时...	32/0/1 THP-201-T26 - Temp...	Counter with negative...	1 hour	5 years	1 year	346 KB	2018.03.08 09:40	↑	↓	✖

Version: 20170620 CPU/IO: 0.18 0.18 0.08, Memory: 17%, KNX/IP: ERROR Sync project data

# Logic Machine > Trend Logs

LogicMachine Language: English Start page Logout

Objects Object logs Scripting Schedulers **Trend logs** Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Name	Object	Log type	Decimal places	Trend resol...	Resolution d...	Daily data	Log size	Created	Move up	Move ...	Delete
温度计数 5分钟 30天 1年	32/0/1 THP-201-T26 - Te...	Counter	2	5 minutes	30 days	2 years	74 KB	2018.03.06 1...	↑	↓	✖
温度计数 10分钟 30天 1年	32/0/1 THP-201-T26 - Te...	Counter	2	10 minutes	30 days	1 year	38 KB	2018.03.06 1...	↑	↓	✖
温度计数 15分钟 30天 1年	32/0/1 THP-201-T26 - Te...	Counter	2	15 minutes	30 days	1 year	26 KB	2018.03.06 1...	↑	↓	✖
温度计数 20分钟 30天 1年	32/0/1 THP-201-T26 - Te...	Counter	2	20 minutes	30 days	1 year	21 KB	2018.03.06 1...	↑	↓	✖
温度计数 30分钟 30天 1年	32/0/1 THP-201-T26 - Te...	Counter	2	30 minutes	30 days	1 year	15 KB	2018.03.06 1...	↑	↓	✖
温度计数 1小时 30天 1年	32/0/1 THP-201-T26 - Te...	Counter	2	1 hour	30 days	1 year	9 KB	2018.03.06 1...	↑	↓	✖
温度计数 1小时 180天 1年	32/0/1 THP-201-T26 - Te...	Counter	2	1 hour	180 days	1 year	38 KB	2018.03.06 1...	↑	↓	✖
温度计数 1小时 1年 1年	32/0/1 THP-201-T26 - Te...	Counter	2	1 hour	1 year	1 year	72 KB	2018.03.06 1...	↑	↓	✖
温度计数 1小时 2年 1年	32/0/1 THP-201-T26 - Te...	Counter	2	1 hour	2 years	1 year	141 KB	2018.03.06 1...	↑	↓	✖
温度计数 1小时 5年 1年	32/0/1 THP-201-T26 - Te...	Counter	2	1 hour	5 years	1 year	346 KB	2018.03.06 1...	↑	↓	✖
温度计数 1小时 5年 2年	32/0/1 THP-201-T26 - Te...	Counter	2	1 hour	5 years	2 years	349 KB	2018.03.06 1...	↑	↓	✖
温度计数 1小时 5年 5年	32/0/1 THP-201-T26 - Te...	Counter	2	1 hour	5 years	5 years	357 KB	2018.03.06 1...	↑	↓	✖
温度计数 1小时 5年 10年	32/0/1 THP-201-T26 - Te...	Counter	2	1 hour	5 years	10 years	372 KB	2018.03.06 1...	↑	↓	✖
温度绝对值 1小时 30天 1年	32/0/1 THP-201-T26 - Te...	Counter with negati...	2	1 hour	30 days	1 year	9 KB	2018.03.07 0...	↑	↓	✖
温度绝对值 1小时 180天 1年	32/0/1 THP-201-T26 - Te...	Counter with negati...	2	1 hour	180 days	1 year	38 KB	2018.03.07 0...	↑	↓	✖
温度绝对值 1小时 1年 1年	32/0/1 THP-201-T26 - Te...	Counter with negati...	2	1 hour	1 year	1 year	72 KB	2018.03.07 0...	↑	↓	✖
温度绝对值 1小时 2年 1年	32/0/1 THP-201-T26 - Te...	Counter with negati...	2	1 hour	2 years	1 year	141 KB	2018.03.07 0...	↑	↓	✖
温度绝对值 1小时 5年 1年	32/0/1 THP-201-T26 - Te...	Counter with negati...	2	1 hour	5 years	1 year	346 KB	2018.03.07 0...	↑	↓	✖
温度负三角函数 1小时 30天 1年	32/0/1 THP-201-T26 - Te...	Counter with negati...	2	1 hour	30 days	1 year	9 KB	2018.03.08 0...	↑	↓	✖
温度负三角函数 1小时 180天 1年	32/0/1 THP-201-T26 - Te...	Counter with negati...	2	1 hour	180 days	1 year	38 KB	2018.03.08 0...	↑	↓	✖
温度负三角函数 1小时 1年 1年	32/0/1 THP-201-T26 - Te...	Counter with negati...	2	1 hour	1 year	1 year	72 KB	2018.03.08 0...	↑	↓	✖
温度负三角函数 1小时 2年 1年	32/0/1 THP-201-T26 - Te...	Counter with negati...	2	1 hour	2 years	1 year	141 KB	2018.03.08 0...	↑	↓	✖
温度负三角函数 1小时 5年 1年	32/0/1 THP-201-T26 - Te...	Counter with negati...	2	1 hour	5 years	1 year	346 KB	2018.03.08 0...	↑	↓	✖

**Trend log**

Object:

Name:

Log type: Counter

Trend resolution: 1 hour

Decimal places: 5 minutes, 10 minutes, 15 minutes, 20 minutes, 30 minutes, 1 hour

Resolution data:

Daily data:

Always show zero:

Save Cancel

趋势解析（5分钟、1小时可选）：每隔指定1分钟所采集的值的平均值；例如：5分钟，则为5个值的平均值；1小时，则为60个值的平均值

Version: 20170620 CPU/IO: 0.01-0.14 0.30, Memory: 15%, KNX/IP: ERROR Sync project da

# Logic Machine > Trend Logs

LogicMachine Language: English [Start page](#) [Logout](#)

Objects Object logs Scripting Schedulers **Trend logs** Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Name	Object	Log type	Decimal places	Trend resol...	Resolution d...	Daily data	Log size	Created	Move up	Move ...	Delete
温度计数 5分钟 30天 1年	32/0/1 THP-201-T26 - Te...	Counter	2	5 minutes	30 days	2 years	74 KB	2018.03.06 1...	↑	↓	✖
温度计数 10分钟 30天 1年	32/0/1 THP-201-T26 - Te...	Counter	2	10 minutes	30 days	1 year	38 KB	2018.03.06 1...	↑	↓	✖
温度计数 15分钟 30天 1年	32/0/1 THP-201-T26 - Te...	Counter	2	15 minutes	30 days	1 year	26 KB	2018.03.06 1...	↑	↓	✖
温度计数 20分钟 30天 1年	32/0/1 THP-201-T26 - Te...	Counter	2	20 minutes	30 days	1 year	21 KB	2018.03.06 1...	↑	↓	✖
温度计数 30分钟 30天 1年	32/0/1 THP-201-T26 - Te...	Counter	2	30 minutes	30 days	1 year	15 KB	2018.03.06 1...	↑	↓	✖
温度计数 1小时 30天 1年	32/0/1 THP-201-T26 - Te...	Counter	2	1 hour	30 days	1 year	9 KB	2018.03.06 1...	↑	↓	✖
温度计数 1小时 180天 1年	32/0/1 THP-201-T26 - Te...	Counter	2	1 hour	180 days	1 year	38 KB	2018.03.06 1...	↑	↓	✖
温度计数 1小时 1年 1年	32/0/1 THP-201-T26 - Te...	Counter	2	1 hour	1 year	1 year	72 KB	2018.03.06 1...	↑	↓	✖
温度计数 1小时 2年 1年	32/0/1 THP-201-T26 - Te...	Counter	2	1 hour	1 year	2 years	141 KB	2018.03.06 1...	↑	↓	✖
温度计数 1小时 5年 1年	32/0/1 THP-201-T26 - Te...	Counter	2	1 hour	1 year	5 years	346 KB	2018.03.06 1...	↑	↓	✖
温度计数 1小时 5年 2年	32/0/1 THP-201-T26 - Te...	Counter	2	1 hour	1 year	2 years	349 KB	2018.03.06 1...	↑	↓	✖
温度计数 1小时 5年 5年	32/0/1 THP-201-T26 - Te...	Counter	2	1 hour	1 year	5 years	357 KB	2018.03.06 1...	↑	↓	✖
温度计数 1小时 5年 10年	32/0/1 THP-201-T26 - Te...	Counter	2	1 hour	1 year	10 years	372 KB	2018.03.06 1...	↑	↓	✖
温度绝对值 1小时 30天 1年	32/0/1 THP-201-T26 - Te...	Counter with negati...	2	1 hour	30 days	1 year	9 KB	2018.03.07 0...	↑	↓	✖
温度绝对值 1小时 180天 1年	32/0/1 THP-201-T26 - Te...	Counter with negati...	2	1 hour	180 days	1 year	38 KB	2018.03.07 0...	↑	↓	✖
温度绝对值 1小时 1年 1年	32/0/1 THP-201-T26 - Te...	Counter with negati...	2	1 hour	1 year	1 year	72 KB	2018.03.07 0...	↑	↓	✖
温度绝对值 1小时 2年 1年	32/0/1 THP-201-T26 - Te...	Counter with negati...	2	1 hour	1 year	2 years	141 KB	2018.03.07 0...	↑	↓	✖
温度绝对值 1小时 5年 1年	32/0/1 THP-201-T26 - Te...	Counter with negati...	2	1 hour	1 year	5 years	346 KB	2018.03.07 0...	↑	↓	✖
温度负三角函数 1小时 30天 1年	32/0/1 THP-201-T26 - Te...	Counter with negati...	2	1 hour	30 days	1 year	9 KB	2018.03.08 0...	↑	↓	✖
温度负三角函数 1小时 180天 1年	32/0/1 THP-201-T26 - Te...	Counter with negati...	2	1 hour	180 days	1 year	38 KB	2018.03.08 0...	↑	↓	✖
温度负三角函数 1小时 1年 1年	32/0/1 THP-201-T26 - Te...	Counter with negati...	2	1 hour	1 year	1 year	72 KB	2018.03.08 0...	↑	↓	✖
温度负三角函数 1小时 2年 1年	32/0/1 THP-201-T26 - Te...	Counter with negati...	2	1 hour	1 year	2 years	141 KB	2018.03.08 0...	↑	↓	✖
温度负三角函数 1小时 5年 1年	32/0/1 THP-201-T26 - Te...	Counter with negati...	2	1 hour	1 year	5 years	346 KB	2018.03.08 0...	↑	↓	✖

**Trend log**

Object:

Name:

Log type: Counter

Trend resolution: 1 hour

Decimal places: 2

Resolution data: 180 days

Daily data: 1 year

Always show zero: 1 year

日常数据（1年-10年可选）：指定趋势解析的日常数据存储时间

Version: 20170620 CPU/IO: 0.17 0.21 0.14, Memory: 17%, KNX/IP: ERROR Sync project data

# Logic Machine > Trend Logs



显示整点数据



趋势解析



日常数据

# Logic Machine > Trend Logs

LogicMachine Language: English [Start page](#) [Logout](#)

Objects | Object logs | Scripting | Schedulers | **Trend logs** | Scenes | Vis. structure | Visualization | Vis. graphics | Utilities | User access | Dali | Modbus | 1-wire | Alerts | Logs | Error log | About

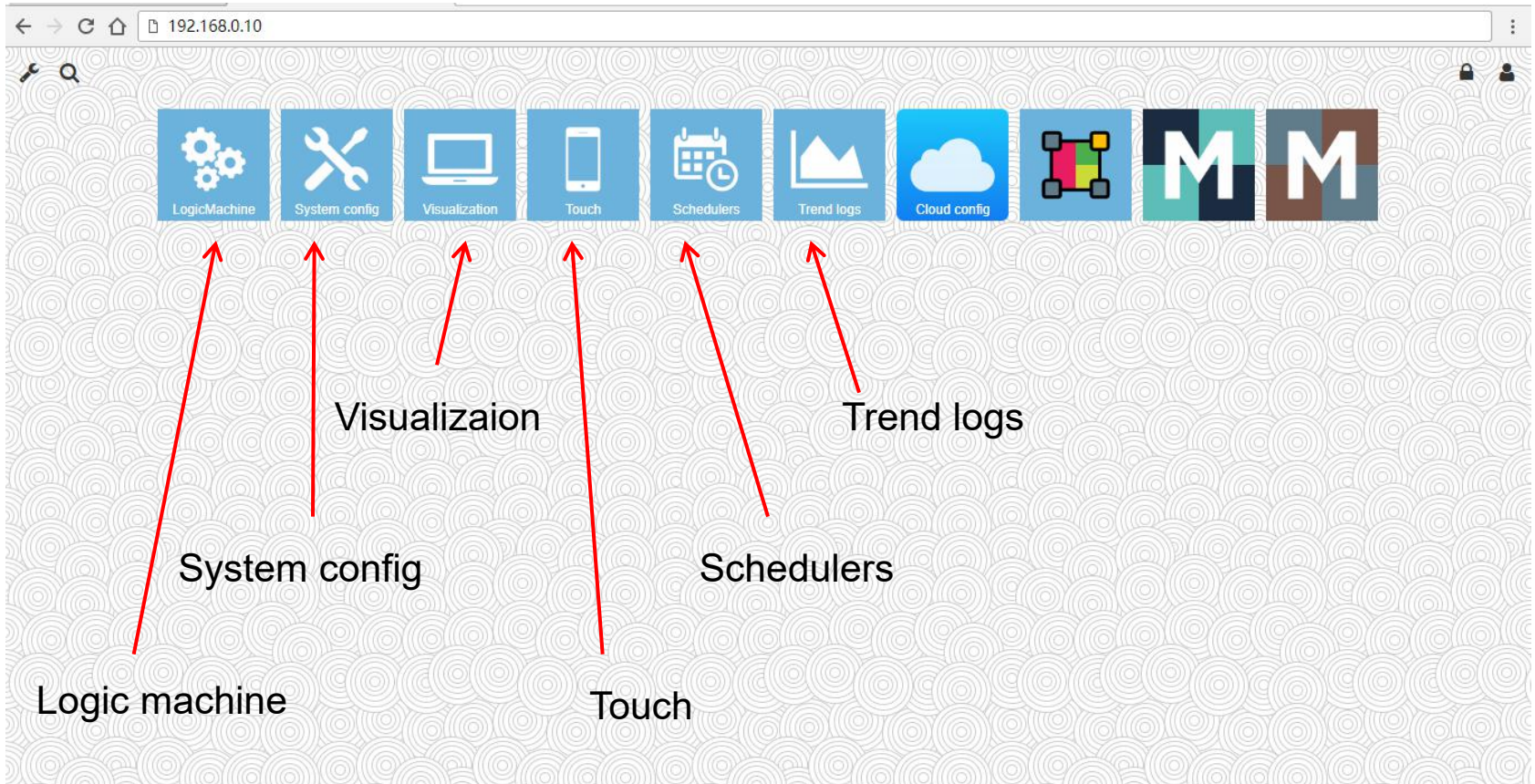
Name	Object	Log type	Decimal places	Trend resolution	Resolution data	Daily data	Log size	Created	Move up	Move d...	Delete
计数5分钟	1/1/2 test2	Counter	2	5 minutes	30 days	1 year	71 KB	2018.03.02 10:26	↑	↓	✖
计数10分钟	1/1/2 test2	Counter	2	10 minutes	30 days	1 year	38 KB	2018.03.03 15:24	↑	↓	✖
计数15分钟	1/1/2 test2	Counter	2	15 minutes	30 days	1 year	26 KB	2018.03.03 15:24	↑	↓	✖
计数20分钟	1/1/2 test2	Counter	2	20 minutes	30 days	1 year	21 KB	2018.03.03 15:25	↑	↓	✖
计数30分钟	1/1/2 test2	Counter	2	30 minutes	30 days	1 year	15 KB	2018.03.03 15:25	↑	↓	✖
计数1小时	1/1/2 test2	Counter	2	1 hour	30 days	1 year	9 KB	2018.03.03 15:20	↑	↓	✖
负三角函数	1/1/2 test2	Counter with negative ...	2	5 minutes	30 days	1 year	71 KB	2018.03.02 10:27	↑	↓	✖
绝对值	1/1/2 test2	Absolute value	2	5 minutes	30 days	1 year	71 KB	2018.03.02 10:28	↑	↓	✖

[Add new trend log](#) | [Direct link](#)

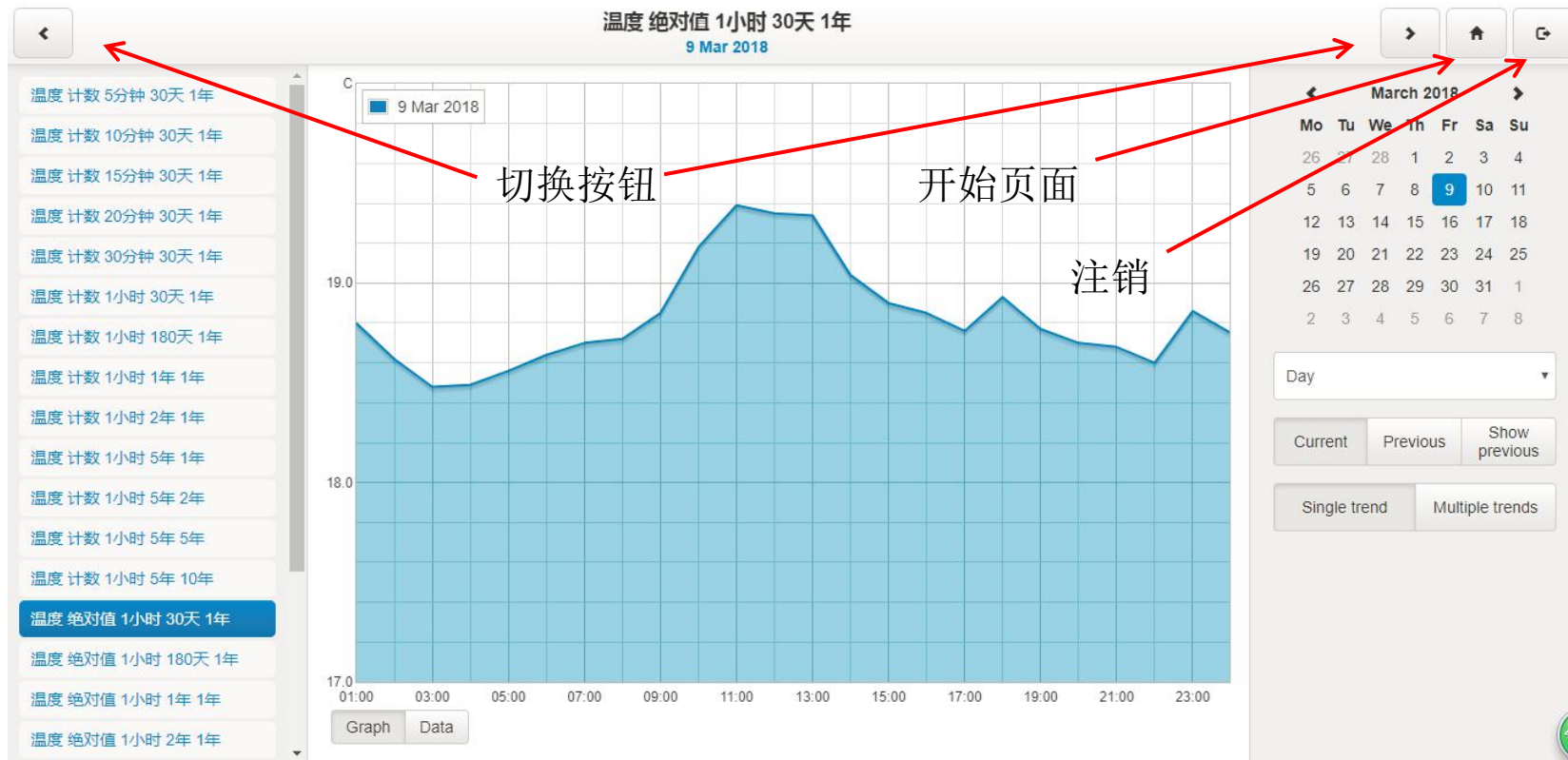
Version: 20170620 CPU/IO: 0.12 0.18 0.17, Memory: 16%, KNX/IP: ERROR 45% OK/s  
OK/s

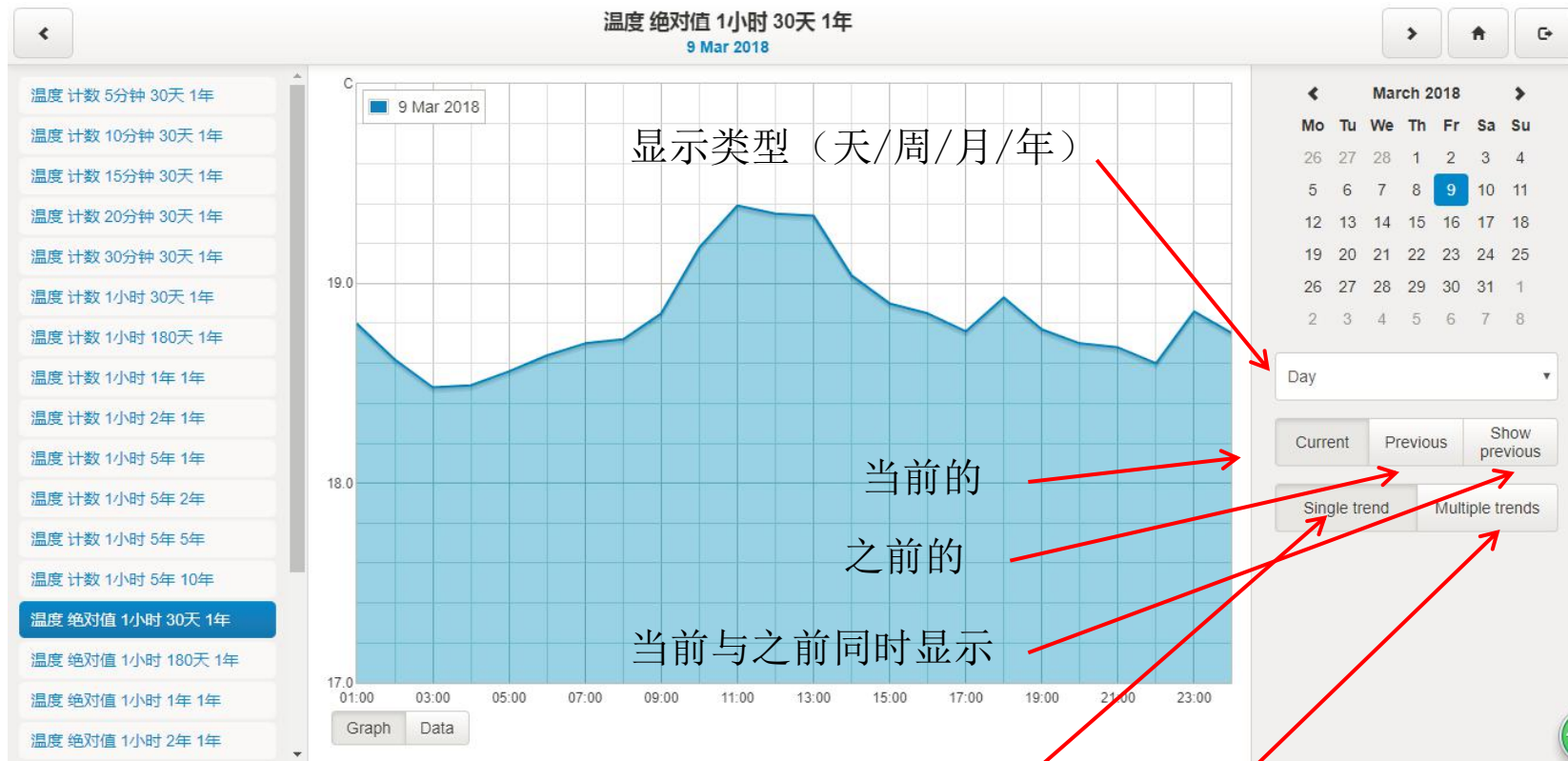
注意：每个趋势数据点的读取将占用8byte的闪存，例如每10分钟读一次数据，每年将占用大于0.4M的闪存

# Trend Logs



# Trend Logs

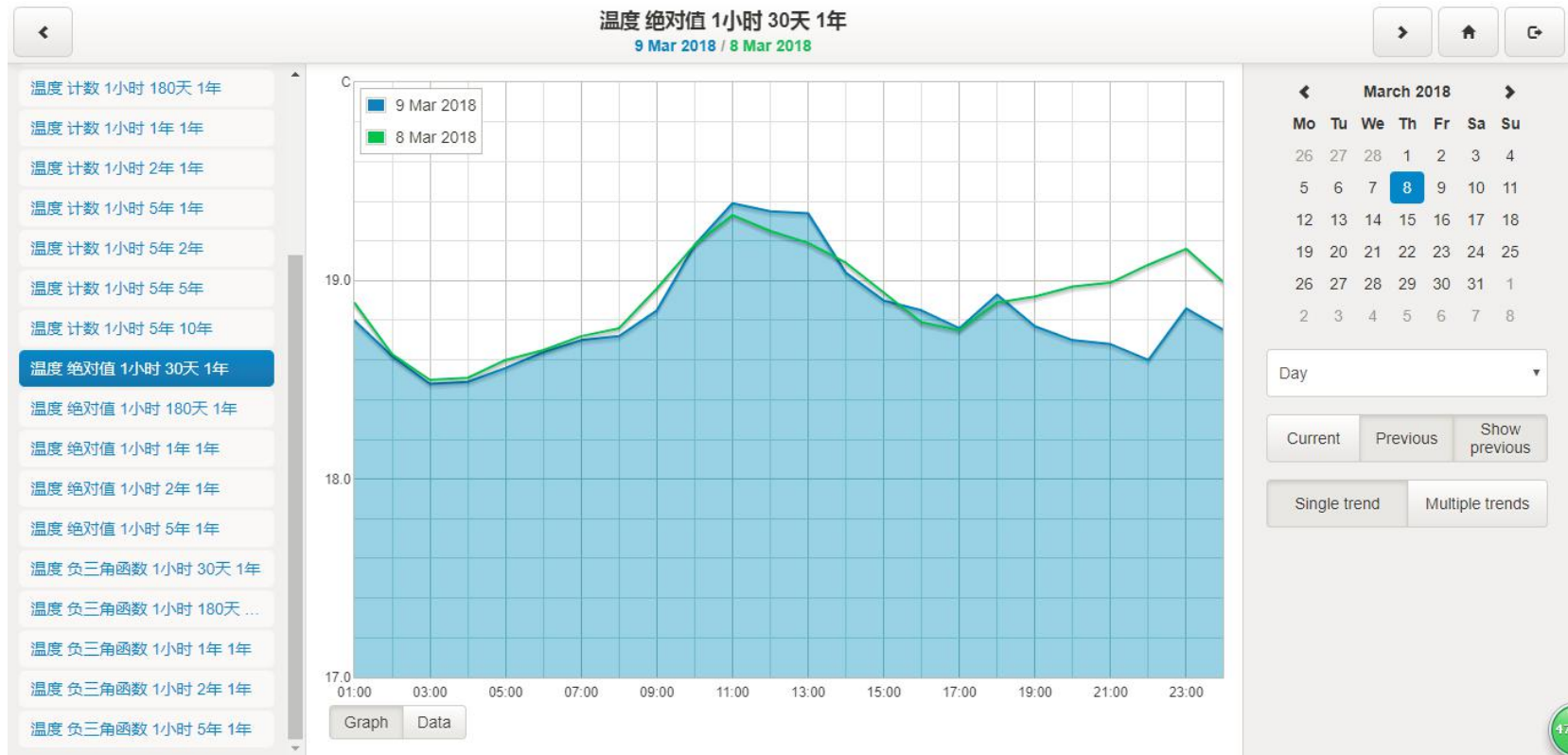




单个趋势图表

多个趋势图表

# Trend Logs



点击**当前的**按钮，选择需要显示的日期，再点击**之前的**按钮，选择需要显示的另一个日期，最后点击**当前与之前同时显示**按钮，生成比较图表

## Scenes —— 场景功能

# Logic Machine > Scenes

The screenshot shows the Logic Machine software interface. At the top, there is a menu bar with options like 'Objects', 'Object logs', 'Scripting', 'Schedulers', 'Trend logs', 'Scenes', 'Vis. structure', 'Visualization', 'Vis. graphics', 'Utilities', 'User access', 'Dali', 'Modbus', '1-wire', 'Alerts', 'Logs', 'Error log', and 'About'. Below the menu bar is a table with columns: Name, Trigger object, Trigger value, Tags, Sequence, Active, Duplicate, and Delete. The table contains one row with the name '223', trigger object '1/1/2 test2', and trigger value '0'. A 'Scene' dialog box is open in the center, with fields for Name, Scene is active (checked), Trigger object, Trigger value, and Tags. Red arrows point from Chinese labels to these fields: '名称' points to the Name field, '激活' points to the checked checkbox, '触发组对象' points to the Trigger object dropdown, '触发值' points to the Trigger value dropdown, and '标签' points to the Tags field. At the bottom left, there is an 'Add scene' button. The bottom status bar shows system information: CPU/I/O: 49%, OK's, OK's, Memory: 15%, KNX/IP: ERROR, and Sync project data.

# Logic Machine > Scenes

LogicMachine Language: English Start page Logout

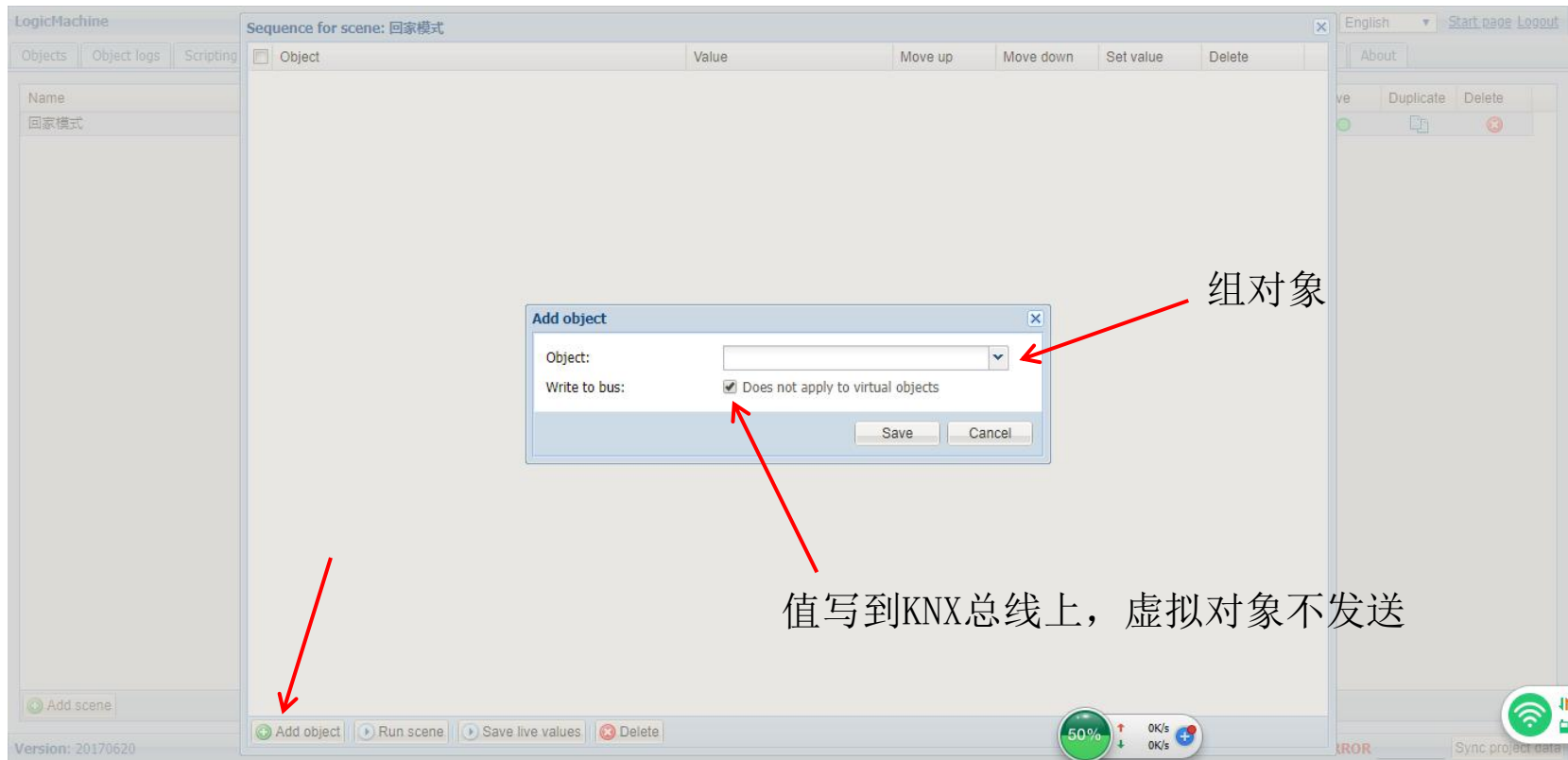
Objects Object logs Scripting Schedulers Trend logs **Scenes** Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Name	Trigger object	Trigger value	Tags	Sequence	Active	Duplicate	Delete
回家模式	1/1/1 test1	1	回家				

名称 触发组地址 触发值 标签 序列 激活 复制

Version: 20170620 CPU/IO: 49% 1.2K/s 0.7K/s Memory: 16%, KNX/IP: ERROR Sync project data

# Logic Machine > Scenes > Sequence



# Logic Machine > Scenes > Sequence

The screenshot shows the Logic Machine interface with a table titled "Sequence for scene: 回家模式". The table has columns for Object, Value, Move up, Move down, Set value, and Delete. Two rows are visible: "1/1/3 test3" and "32/1/1 test4". Red arrows point from Chinese labels below to specific cells in the table: "对象" points to the Object column, "值" points to the Value column, "上移" points to the Move up column, "下移" points to the Move down column, and "设定值" points to the Set value column.

Object	Value	Move up	Move down	Set value	Delete
1/1/3 test3	0	↑	↓	⚙️	✖️
32/1/1 test4	0	↑	↓	⚙️	✖️

对象 值 上移 下移 设定值

# Logic Machine > Scenes > Sequence

The screenshot shows the Logic Machine interface. At the top, it says "LogicMachine". Below that, there are tabs for "Objects", "Object logs", and "Scripting". The main area is titled "Sequence for scene: 回家模式". It contains a table with the following data:

Object	Value	Move up	Move down	Set value	Delete
1/1/3 test3	0	↑	↓	⚙️	✖️
32/1/1 test4	0	↑	↓	⚙️	✖️

A "Run scene" dialog box is open in the center, asking "Are you sure you want to run this scene?" with "Yes" and "No" buttons. A red arrow points from the "Run scene" button in the bottom toolbar to the dialog box. Another red arrow points from the "Run scene" button in the bottom toolbar to the "Run scene" button in the bottom toolbar. The bottom toolbar contains "Add object", "Run scene", "Save live values", and "Delete". The bottom left corner shows "Version: 20170620". The bottom right corner shows system icons including a battery at 48% and network status.

是否确定运行此场景?

# Logic Machine > Scenes > Sequence

LogicMachine

Sequence for scene: 回家模式

Object	Value	Move up	Move down	Set value	Delete
1/1/3 test3	0	↑	↓	⊞	⊗
32/1/1 test4	0	↑	↓	⊞	⊗

Save live values

Use current object values as scene sequence values?

Yes No

是否使用当前对象值作为场景值?

Version: 20170620

47% OK's

# Utilities —— 系统工具

# Logic Machine > Utilities

The screenshot shows the 'Utilities' tab in the Logic Machine software. The interface includes a menu bar with options like 'Objects', 'Object logs', 'Scripting', 'Schedulers', 'Trend logs', 'Scenes', 'Vis. structure', 'Visualization', 'Vis. graphics', 'Utilities', 'User access', 'Dali', 'Modbus', '1-wire', 'Alerts', 'Logs', 'Error log', and 'About'. Below the menu bar, there are several utility buttons: 'Import ESF file', 'Import JSON file', 'Import neighbours', 'Reset / clean-up', 'Factory reset', 'Date and time', 'Install updates', 'Backup', 'Restore', and 'General configuration'. There are also two sub-menus: 'Vis. configuration' and 'System'. Red arrows point from Chinese labels to these buttons. The labels are: '导入ESF文档' (Import ESF file), '导入JSON文档' (Import JSON file), '导入相邻设备' (Import neighbours), '重置/清理' (Reset / clean-up), '出厂设置' (Factory reset), '日期和时间' (Date and time), '安装更新' (Install updates), '备份' (Backup), '恢复' (Restore), and '通用设置' (General configuration). The 'System' sub-menu is labeled '系统' (System). The 'Vis. configuration' sub-menu is labeled '可视化界面设置' (Visualization interface settings). At the bottom of the interface, there is a status bar with the text: 'Version: 20170620', 'CPU/IO: 0.00 0.00 0.02', 'Memory: 15%', 'KNX/TP: ERROR', and 'Sync project data'.

Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Import ESF file Import JSON file Import neighbours Reset / clean-up Factory reset Date and time Install updates Backup Restore General configuration

Vis. configuration System

导入ESF文档 导入JSON文档 导入相邻设备 重置/清理 出厂设置 日期和时间 安装更新 备份 恢复 通用设置

系统

可视化界面设置

Version: 20170620 CPU/IO: 0.00 0.00 0.02, Memory: 15%, KNX/TP: ERROR Sync project data

# Logic Machine > Utilities > Import ESF file

The screenshot shows the Logic Machine interface with the 'Utilities' menu open. The 'Import ESF file' option is highlighted with a red arrow. A dialog box titled 'Import ESF file' is displayed in the center, containing a file selection field with the text '选择文件 未选择任何文件' and a warning message: 'It will be necessary to set correct data type for some imported objects. Existing objects will not be overwritten. Objects with the same name are considered duplicates and might not get imported'. A red arrow points to the warning message. The dialog box has 'Save' and 'Cancel' buttons at the bottom. The bottom status bar shows system information: '192.168.0.10/scada-main#', 'CPU/IO: 0.16 0.09 0.08, 54%', '1.4M/s', '1.1M/s', and 'ERROR Sync project data'.

要为一些导入的对象设定正确的数据类型；现有的对象不会被覆盖；相同名称的对象会被认为是重复的，可能无法导入

# Logic Machine > Utilities > Import JSON file

添加对象不设定数据类型

现有的对象不会被覆盖；相同名称的对象会被认为是重复的，可能无法导入

Version: 20170620 CPU/IO: 0.00 0.00 0.00, Memory: 16%, KNX/TP: ERROR 59% 1.3M/s 84K/s

# Logic Machine > Utilities > Reset / clean-up

The screenshot shows the Logic Machine interface with the Utilities menu open. The 'Reset / clean-up' option is selected, and its dialog box is displayed. The dialog box contains the following options with checkboxes:

- Objects:
- Object logs:
- Include high priority logs:
- Alerts:
- Logs:
- Error logs:
- Script storage:

Red arrows point from Chinese labels to these options:

- 对象 (Objects)
- 对象日志 (Object logs)
- 包含高级别日志 (Include high priority logs)
- 警报 (Alerts)
- 日志 (Logs)
- 错误日志 (Error logs)
- 脚本 (Script storage)

At the bottom of the interface, there is a status bar showing: 192.168.0.10/scada-main#, CPU/IO: 0.00 0.00 0.00, Memory: 16%, KNX/IP: ERROR, and a green 60% CPU usage indicator.

# Logic Machine > Utilities > Factory reset

LogicMachine

Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Import ESF file Import JSON file Import neighbours Reset / clean-up Factory reset Date and time Install updates Backup Restore General configuration

Vis. configuration System

**Factory reset**

**Warning:** factory reset will delete everything, make sure you have backed up before doing so. Device will reboot after reset is complete. Are you sure you want to proceed?

Yes No

Version: 20170620 CPU/IO: 0.10 0.03 0.01, Memory: 16%, KNX/IP: ERROR 57% 1.4M/s 38.5K/s

**警告：**恢复出厂设置将删除所有内容，确保您在执行该操作前已备份。重置完成后，设备将重新启动。确定是否继续？

# Logic Machine > Utilities > Factory reset

LogicMachine

Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Import ESF file Import JSON file Import neighbours Reset / clean-up Factory reset Date and time Install updates Backup Restore General configuration

Vis. configuration System

**Date and time**

Current: Mon Mar 5 14:55:10 2018

Time: 14 55 10 Get from system

Date: 05.03.2018

Timezone: Asia/Shanghai

First day of the week:  Monday  Sunday

Latitude/Longitude: [ ] [ ]

**Note:** when left empty, latitude and longitude are taken from the current timezone and may not fully match the actual location

Save Cancel

192.168.0.10/scada-main# CPU/IO: 0.07 0.03 0.00, Memory: 16%, KNX/IP: ERROR Sync project da 58

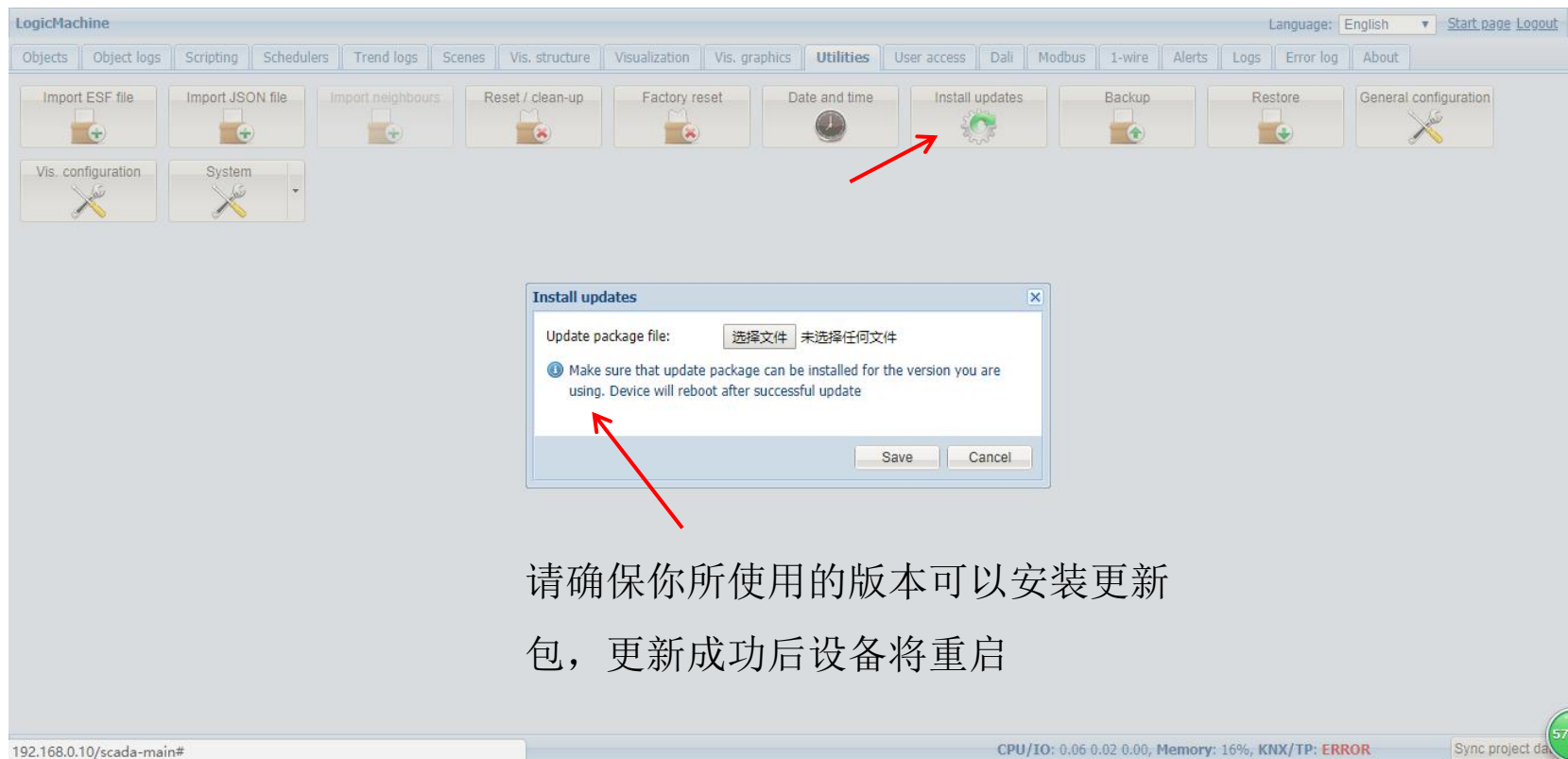
每周第一天

经度和纬度是按当前时区，可能不完全匹配的实际位置

与系统同步

纬度/精度

# Logic Machine > Utilities > Installs updates

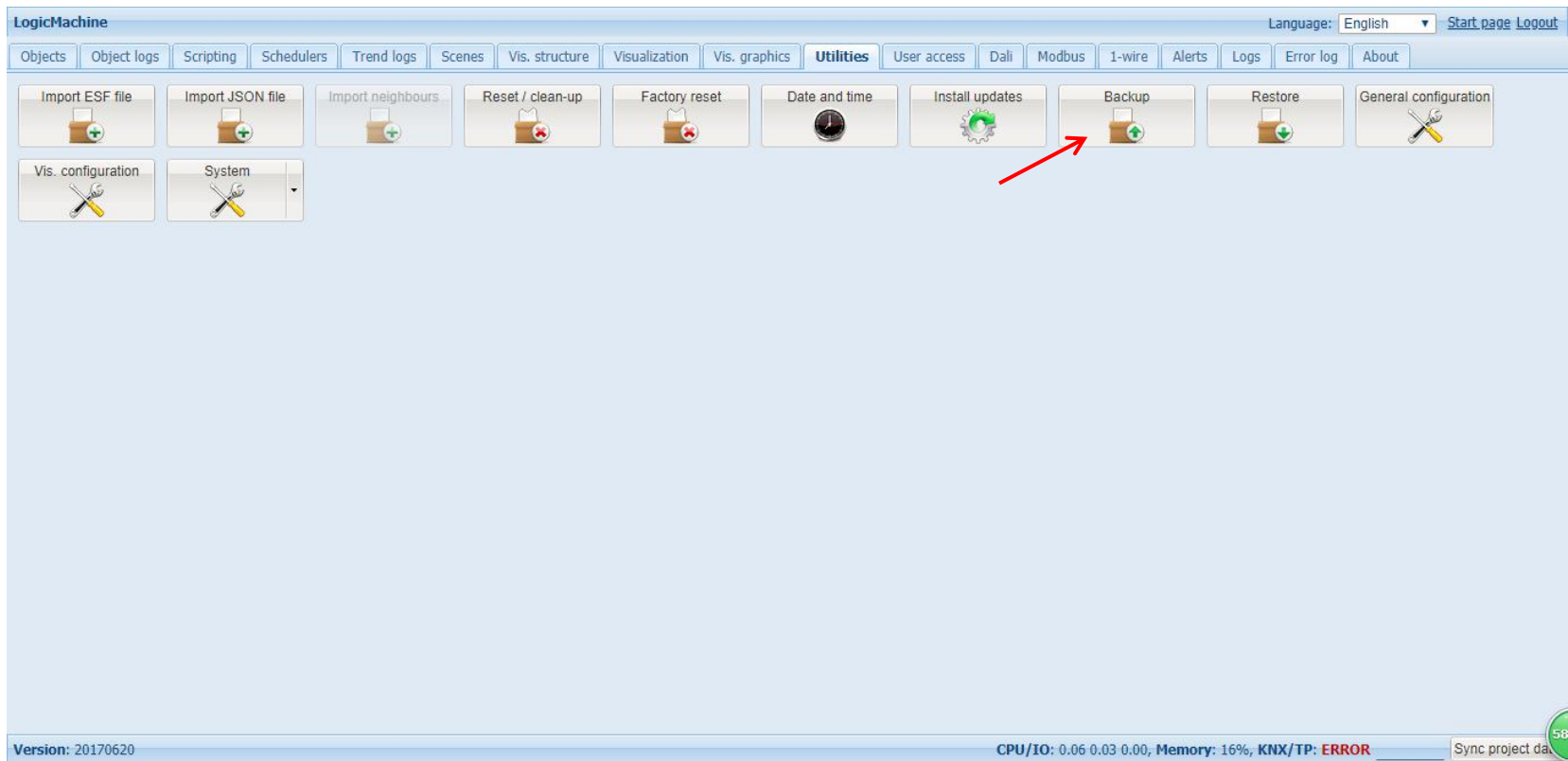


The screenshot shows the Logic Machine interface. The 'Utilities' menu is active, and the 'Install updates' option is highlighted with a red arrow. A dialog box titled 'Install updates' is open, showing a file selection field with the text '选择文件 未选择任何文件'. Below the field, there is an information icon and the text: 'Make sure that update package can be installed for the version you are using. Device will reboot after successful update'. A red arrow points to this text. The dialog box has 'Save' and 'Cancel' buttons at the bottom.

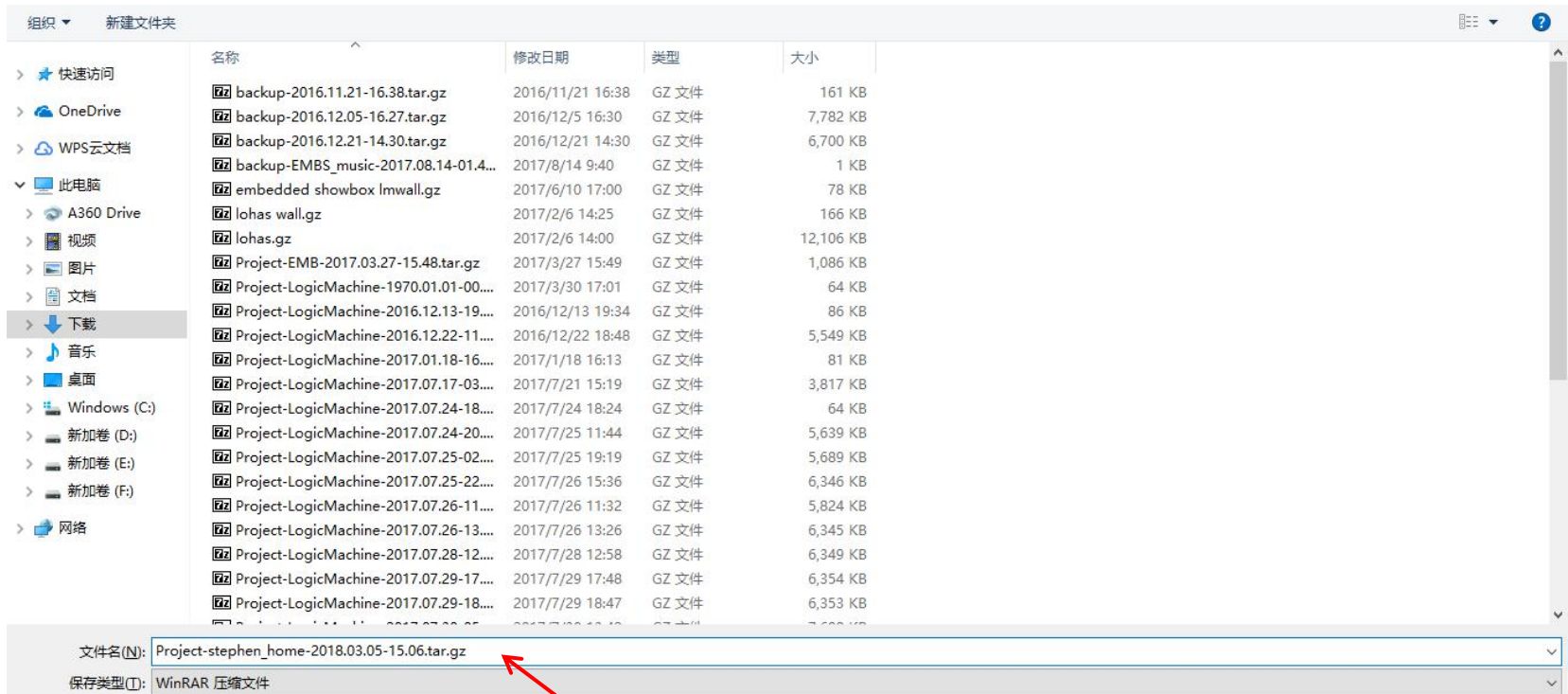
192.168.0.10/scada-main# CPU/IO: 0.06 0.02 0.00, Memory: 16%, KNX/TP: ERROR Sync project da

请确保你所使用的版本可以安装更新包，更新成功后设备将重启

# Logic Machine > Utilities > Backup



# Logic Machine > Utilities > Backup



.tar.gz 的文件后缀

# Logic Machine > Utilities > Restore

LogicMachine

Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes Vis. structure Visualization Vis. graphics **Utilities** User access Dali Modbus 1-wire Alerts Logs Error log About

Import ESF file Import JSON file Import neighbours Reset / clean-up Factory reset Date and time Install updates Backup Restore General configuration

Vis. configuration System

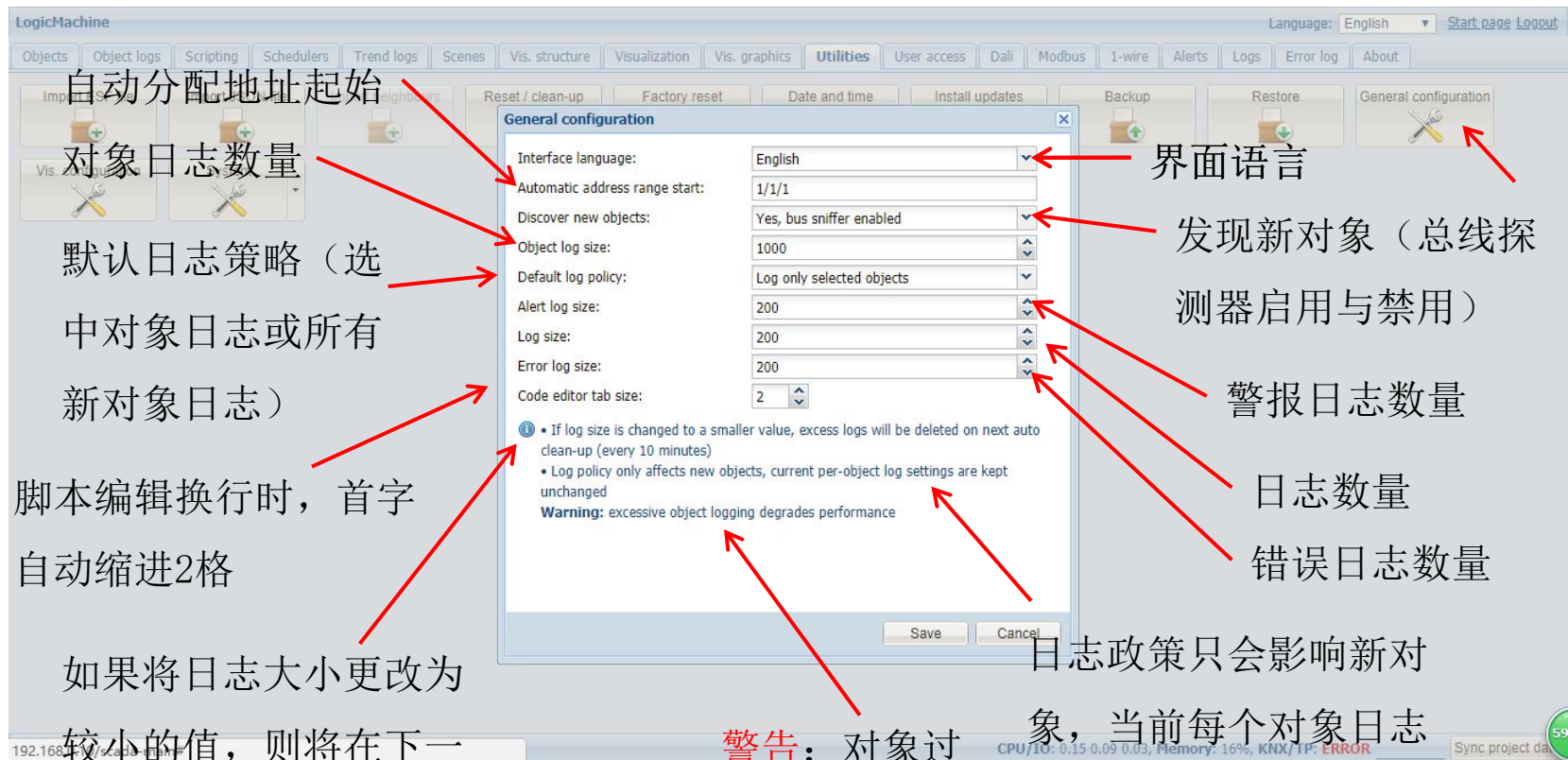
**Restore**

Backup file:  未选择任何文件

**Warning:** maximum backup size is 32MB.  
Current database, scripts and visualization will be deleted.  
Device will reboot to complete system restore

192.168.0.10/scada-main# CPU/IO: 0.10 0.08 0.03, Memory: 16%, KNX/TP: ERROR Sync project da

**警告：** 备份文件最大为32MB；当前数据库、脚本和可视化界面将被删除；设备会重启并完成系统恢复



自动分配地址起始

对象日志数量

默认日志策略（选中对象日志或所有新对象日志）

脚本编辑换行时，首字自动缩进2格

如果将日志大小更改为较小的值，则将在下一次自动清除（每10分钟）删除多余日志

警告：对象过多的日志记录会降低性能

界面语言

发现新对象（总线探测器启用与禁用）

警报日志数量

日志数量

错误日志数量

日志政策只会影响新对象，当前每个对象日志设置都保持不变

# Logic Machine > Utilities > Vis.configuration

The screenshot shows the Logic Machine interface with the 'Utilities' menu open and 'Vis.configuration' selected. The configuration window is open, showing various settings for the user mode. Red arrows point from Chinese text labels to specific settings in the window.

Annotations in Chinese:

- 用户模式视图 (User mode view) - points to the 'Usermode view' dropdown.
- 用户模式视图 (User mode view) - points to the 'Usermode page transition' dropdown.
- 用户模式视图 (User mode view) - points to the 'Usermode auto-size upscaling' checkbox.
- 用户模式工具条 (User mode toolbar) - points to the 'Usermode sidebar' dropdown.
- 用户模式页面过渡 (User mode page transition) - points to the 'Usermode page transition' dropdown.

Configuration window settings:

- Usermode sidebar: Show as overlay (auto-hide)
- Usermode view: Center plans, enable auto-sizing
- Usermode page transition: No transition
- Usermode auto-size upscaling:
- Usermode background color: [Color picker]
- Usermode background image: [Image picker]
- Custom font: [Font picker]
- Use dark theme:
- Enable swipe gesture:
- Disable object click animation:
- Dim inactive visualization after: [Spinner] minutes
- Dimming level: 80 %
- Show alerts in Usermode:

System status bar at the bottom shows: 192.168.0.10/scada-main#, CPU/IO: 0.08 0.03 0.01, Memory: 12%, KNX/IP: ERROR, 41% CPU usage, 0.04K/s network activity.

# Logic Machine > Utilities > System

The screenshot shows the Logic Machine interface with the Utilities > System menu open. The menu items are: KNX connection, Network settings, Admin access, Remote services, and Toggle device identification. Red arrows point from the Chinese text to the 'System' menu item and the 'Toggle device identification' option.

跳转至System config相应界面

设备辨别

192.168.0.10/scada-main# CPU/IO: 0.02 0.03 0.00, Memory: 18%, KNX/TP: ERROR Sync project data



正常运行，设备闪绿灯



确认设备，设备红绿交错闪烁；确认完毕后，再按一次恢复正常运行

## User access —— 用户权限

# Logic Machine > User access

The screenshot shows the 'User access' configuration window in Logic Machine. A 'User' dialog box is open, allowing the creation or modification of a user. The dialog has tabs for 'General', 'Visualization', 'Schedulers', and 'Trend logs'. The 'General' tab is active, showing fields for Name, Login, Password, Repeat password, Visualization access, Schedulers access, and Trends access. Red arrows point from Chinese labels to these fields: '名称' (Name) points to the Name field; '密码 (至少6位)' (Password (at least 6 characters)) points to the Password field; '可视化界面权限' (Visualization interface permissions) points to the Visualization access dropdown; '趋势图表权限' (Trend chart permissions) points to the Trends access dropdown; '日程表权限' (Scheduler permissions) points to the Schedulers access dropdown; '登录账号' (Login account) points to the Login field; and '密码确认' (Password confirmation) points to the Repeat password field. The background shows the main Logic Machine interface with a table of users and a bottom status bar.

登录账号  
密码确认  
日程表权限

名称  
密码 (至少6位)  
可视化界面权限  
趋势图表权限

192.168.0.10/scada-main# CPU/IO: 0.01-0.02 0.00, Memory: 19%, KNX/TP: ERROR Sync project data

# Logic Machine > User access

The screenshot shows the Logic Machine interface with the 'User access' tab selected. A 'User' dialog box is open, displaying fields for Name, Login, Password, Repeat password, Visualization access, Schedulers access, and Trends access. The 'Visualization access' dropdown menu is open, showing options: None, Partial, and Full. A red arrow points to the 'Partial' option. The background interface includes a menu bar with 'User access' highlighted, and a status bar at the bottom showing system metrics like CPU/I/O, Memory, and KNX/TP status.

无权限、部分权限、  
全部权限

# Logic Machine > User access

LogicMachine

Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes Vis. structure Visualization Vis. graphics Utilities **User access** Dali Modbus 1-wire Alerts Logs Error log About

Name	Login	Visualization access	Schedulers access	Trends access	Delete
------	-------	----------------------	-------------------	---------------	--------

**User**

General Visualization Schedulers Trend logs

Name:

Login:

Password:

Repeat password:

Visualization access: None

Schedulers access: None

Trends access: None

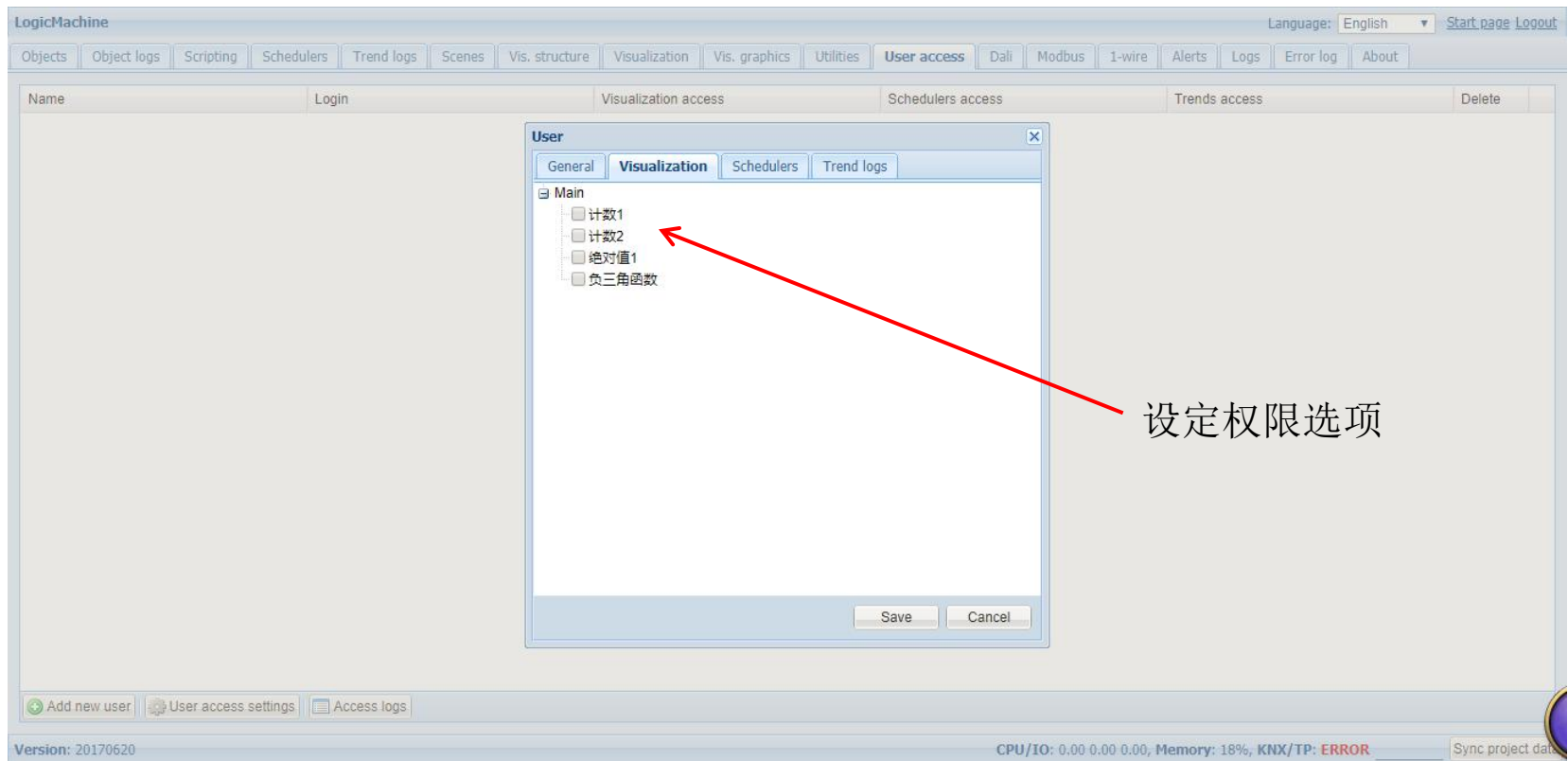
None  
Partial  
Full

Save Cancel

无权限、部分权限、全部权限

Version: 20170620 CPU/IO: 0.03 0.02 0.00, Memory: 19%, KNX/TP: ERROR Sync project data

# Logic Machine > User access > Partial



# Visualization —— 可视化界面创建

# Logic Machine > Vis . structure

LogicMachine Language: English [Start page](#) [Logout](#)

Objects Object logs Scripting Schedulers Trend logs Scenes **Vis. structure** Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Levels / Plans Layouts / Widgets

Name	Visible	Description	Duplicate	Move up	Move do...	Add / Im...	Export	Delete
Main								
计数1	Usermode, Touch							
计数2	Usermode, Touch							
绝对值1	Usermode, Touch							
负三角函数	Usermode, Touch							
绝对值2	Usermode, Touch							

层/平面

布局/小工具

Add new level Import

Version: 20170620

CPU/IO: 0.07 0.05 0.01, Memory: 15%, KNX/TP: ERROR

[Sync project data](#)

# Logic Machine > Vis . structure > Levels / Plans

The screenshot shows the Logic Machine software interface. The main window displays a table of levels under the 'Levels / Plans' tab. A 'Level' dialog box is open, allowing for the configuration of a new level. The dialog has three input fields: 'Level name', 'Pin code', and 'Description'. Red arrows point from the Chinese labels '层名称', '密码', and '描述' to these respective fields. Another red arrow points from the 'Add new level' button at the bottom left of the interface.

Name	Visible	Description	Duplicate	Move up	Move do...	Add / Im...	Export	Delete
Main								
计数1	Usermode, Touch							
计数2	Usermode, Touch							
绝对值1	Usermode, Touch							
负三角函数	Usermode, Touch							
绝对值2	Usermode, Touch							

Level dialog box fields:

- Level name:
- Pin code:
- Description:

Buttons: Save, Cancel

Bottom bar: Add new level, Import, 192.168.0.10/scada-main#, CPU/IO: 0.02 0.05 0.01, Memory: 16%, KNX/TP: ERROR, Sync project data

# Logic Machine > Vis . structure > Levels / Plans

LogicMachine Language: English [Start page](#) [Logout](#)

Objects | Object logs | Scripting | Schedulers | Trend logs | Scenes | **Vis. structure** | Visualization | Vis. graphics | Utilities | User access | Dali | Modbus | 1-wire | Alerts | Logs | Error log | About

Levels / Plans | Layouts / Widgets

Name	Visible	Description	Duplicate	Move up	Move do...	Add / Im...	Export	Delete
Main								
计数1	Usermode, Touch							
计数2	Usermode, Touch							
绝对值1	Usermode, Touch							
负三角函数	Usermode, Touch							
绝对值2	Usermode, Touch							
test		用于测试						



新建层

# Logic Machine > Vis . structure > Levels / Plans

LogicMachine

Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes **Vis. structure** Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Levels / Plans Layouts / Widgets

Name	Visible	Description	Duplicate	Move up	Move do...	Add / Im...	Export	Delete
Main								
计数1	Usermode, Touch							
计数2	Usermode, Touch							
绝对值1	Usermode, Touch							
负三角函数	Usermode, Touch							
绝对值2	Usermode, Touch							
test		用于测试						

Select an action

- Add second level
- Add plan
- Import

添加另一层

添加平面

导入

192.168.0.10/scada-main# CPU/IO: 0.07 0.10 0.03, Memory: 16%, KNX/IP: ERROR Sync project data

# Logic Machine > Vis . structure > Levels / Plans

LogicMachine Language: English [Start page](#) [Logout](#)

Objects | Object logs | Scripting | Schedulers | Trend logs | Scenes | **Vis. structure** | Visualization | Vis. graphics | Utilities | User access | Dali | Modbus | 1-wire | Alerts | Logs | Error log | About

Levels / Plans | Layouts / Widgets

Name	Visible	Description	Duplicate	Move up	Move do...	Add / Im...	Export	Delete
Main								
计数1	Usermode, Touch							
计数2	Usermode, Touch							
绝对值1	Usermode, Touch							
负三角函数	Usermode, Touch							
绝对值2	Usermode, Touch							
test								

**Level**

Level 1 name:

Level name:

Pin code:

Description:

192.168.0.10/scada-main# CPU/IO: 0.03 0.09 0.05, Memory: 16%, KNX/TP: ERROR [Sync project data](#)

# Logic Machine > Vis . structure > Levels / Plans

LogicMachine

Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes **Vis. structure** Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Levels / Plans Layouts / Widgets

Name	Visible	Description	Duplicate	Move up	Move do...	Add / Im...	Export	Delete
Main								
计数1	Usermode, Touch							
计数2	Usermode, Touch							
绝对值1	Usermode, Touch							
负三角函数	Usermode, Touch							
绝对值2	Usermode, Touch							
test		用于测试						
test1								

Select an action

Add

Import

添加平面

导入

192.168.0.10/scada-main# CPU/IO: 0.04 0.06 0.04, Memory: 16%, KNX/TP: ERROR Sync project data

The screenshot shows the Logic Machine software interface with the 'Plan' configuration dialog box open. The dialog box contains the following fields and options:

- Parent: test1
- Name: (empty)
- Plan size: 1024 x 768
- Layout: (dropdown menu)
- Usermode visualization: Show
- Touch visualization: Show
- Pin code: (empty)
- Primary background image: (empty)
- Secondary background image: (empty)
- Background color: (color picker)
- Touch background color: (color picker)
- Repeat background image:
- Fixed primary background:

Annotations in Chinese:

- 名称 (Name) - points to the Name field
- 布局 (Layout) - points to the Layout dropdown
- 触摸模式页面 (可扩展) (Touch mode page (expandable)) - points to the Touch visualization dropdown
- 主背景图 (Main background image) - points to the Primary background image field
- 用户模式背景色 (User mode background color) - points to the Background color field
- 重复背景图片: 当图片尺寸小于平面尺寸时, 重复图片填充整个平面 (Repeat background image: when image size is smaller than plane size, repeat image to fill the entire plane) - points to the Repeat background image checkbox
- 修复主背景: 可修复主背景图, 使界面有视差效果 (Fix main background: can fix main background image, making the interface have a parallax effect) - points to the Fixed primary background checkbox
- 平面尺寸 (可扩展) (Plane size (expandable)) - points to the Plan size fields
- 用户模式页面 (可扩展) (User mode page (expandable)) - points to the Usermode visualization dropdown
- 密码 (Password) - points to the Pin code field
- 次背景图 (Secondary background image) - points to the Secondary background image field
- 触摸模式背景色 (Touch mode background color) - points to the Touch background color field

# Logic Machine > Vis . structure > Levels / Plans

多组标准移动终端  
尺寸功选择，也可  
自定义输入

Name	Visible	Description
Main		
计数1	Usermode, Touch	
计数2	Usermode, Touch	
绝对值1	Usermode, Touch	
负三角函数	Usermode, Touch	
绝对值2	Usermode, Touch	
test		
test1		
132	Usermode, Touch	

Plan configuration details:

- Parent: test1
- Name: 132
- Plan size: 1024 x 768
- Layout: -
- Usermode visualization: Show
- Touch visualization: Show
- Pin code:
- Primary background image: 7777944\_1147596901
- Secondary background image: co2.jpg
- Background color: #FF8C00
- Touch background color:
- Repeat background image:
- Fixed primary background:

Available Plan sizes:

- iPad landscape, fullscreen (XGA) 1024 x 748
- iPad landscape, browser (XGA) 1024 x 672
- iPad portrait, fullscreen (XGA) 768 x 1004
- iPad portrait, browser (XGA) 768 x 928
- Tablet landscape (WSVGA) 1024 x 600
- Tablet portrait (WSVGA) 600 x 1024
- Laptop / Tablet landscape (WXGA) 1280 x 800
- Laptop / Tablet portrait (WXGA) 800 x 1280
- Laptop / Tablet landscape (HD) 1360 x 768
- Laptop / Tablet portrait (HD) 768 x 1360
- Big screen (Full HD) 1920 x 1080

# Logic Machine > Vis . structure > Levels / Plans

显示; 默认显示; 隐藏

Name	Visible	Description	Duplicate	Move up	Move do...	Add / Im...	Export	Delete
Main								
计数1	Usermode, Touch							
计数2	Usermode, Touch							
绝对值1	Usermode, Touch							
负三角函数	Usermode, Touch							
绝对值2	Usermode, Touch							
test								
test1								
132	Usermode, Touch							

# Logic Machine > Vis . structure > Levels / Plans

LogicMachine

Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes **Vis. structure** Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Levels / Plans Layouts / Widgets

Name	Visible	Description	Duplicate	Move up	Move do...	Add / Im...	Export	Delete
Main								
计数1	Usermode, Touch							
计数2	Usermode, Touch							
绝对值1	Usermode, Touch							
负三角函数	Usermode, Touch							
绝对值2	Usermode, Touch							
test								
test1								
132	Usermode, Touch							

**Plan**

Parent: test1

Name: 132

Plan size: 1024 768

Layout: -

Usermode visualization: Show

Touch visualization: Show

Pin code:

Primary background image: 7777944\_114759690110\_2.png

Secondary background image: co2.jpg

Background color: #FF8C00

Touch background color:

Repeat background image:

Fixed primary background:

Cancel

RGB色谱可选，也可以直接修改色彩值进行选择


192.168.0.10/scada-main# CPU/IO: 0.02 0.04 0.05, Memory: 18%, KNX/TP: ERROR Sync project data


# Logic Machine > Vis . structure > Levels / Plans


LogicMachine Language: English  [Start page](#) [Logout](#)


Objects | Object logs | Scripting | Schedulers | Trend logs | Scenes | Vis. structure | Visualization | **Vis. graphics** | Utilities | User access | Dali | Modbus | 1-wire | Alerts | Logs | Error log | About

Icons | **Images / Backgrounds** | Fonts | Edit custom CSS

  
7777944\_11...

  
KNXNormCE...

  
co2.jpg

  
pm25.jpg

Add images | Delete selected | Delete all

Version: 20170620 CPU/IO: 0.10 0.06 0.06, Memory: 18%, KNX/TP: **ERROR**  Sync project data

# Logic Machine > Vis . structure > Levels / Plans

Name	Visible	Description	Duplicate	Move up	Move do...	Add / Im...	Export	Delete
Main								
计数1	Usermode, Touch							
计数2	Usermode, Touch							
绝对值1	Usermode, Touch							
负三角函数	Usermode, Touch							
绝对值2	Usermode, Touch							
test		用于测试						
test1								
132	Usermode, Touch							

名称

可见选项

描述

复制

上移

下移

导出

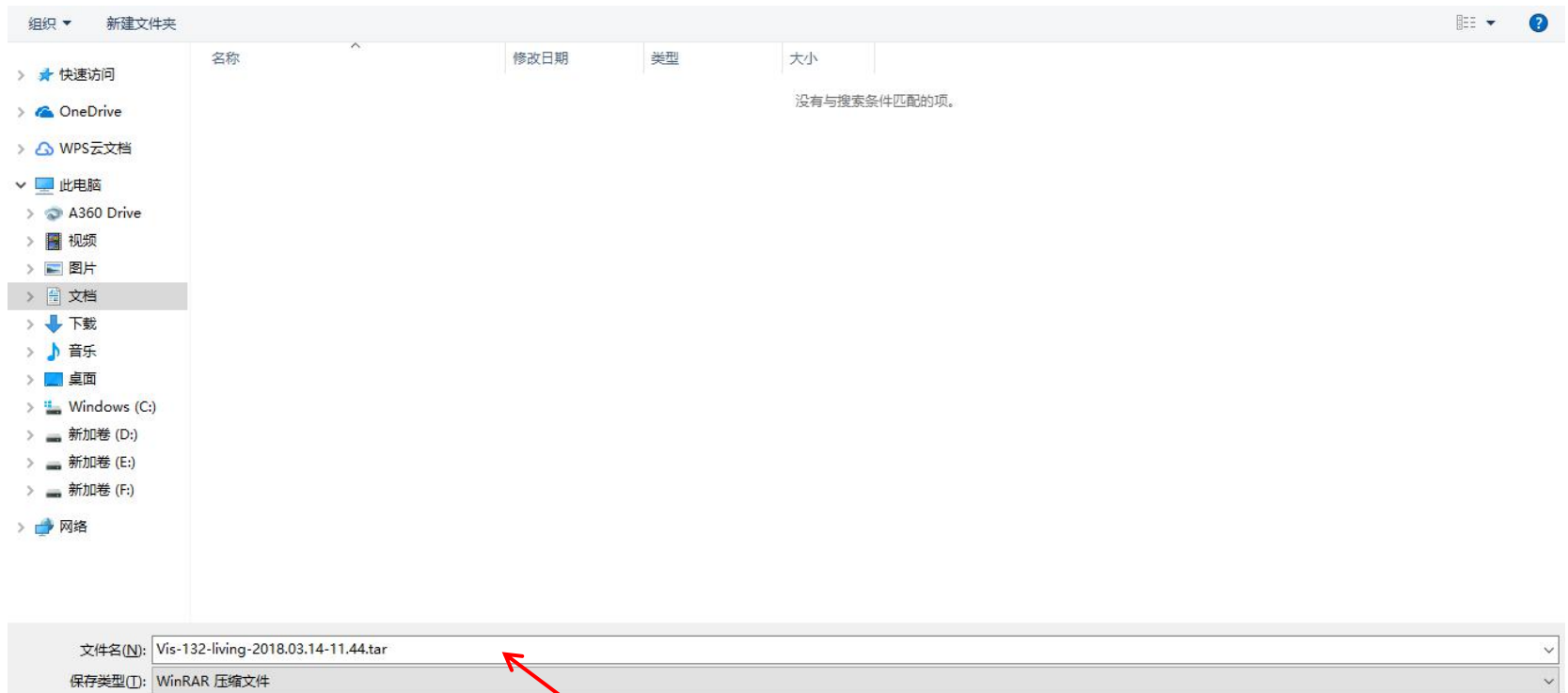
Add new level Import

Version: 20170620

CPU/IO: 0.08 0.07 0.06, Memory: 18%, KNX/TP: ERROR

Sync project data

# Logic Machine > Vis . structure > Levels / Plans



.tar的文件后缀

# Logic Machine > Vis . structure > Levels / Plans

LogicMachine

Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Levels / Plans Layouts / Widgets

Name	Visible	Description	Duplicate	Move up	Move do...	Add / Im...	Export	Delete
Main								
计数1		Usermode, Touch						
计数2		Usermode, Touch						
绝对值1		Usermode, Touch						
负三角函数		Usermode, Touch						
绝对值2		Usermode, Touch						
test								
test1								
132		Usermode, Touch						

Import

用于测试

Linked objects:  Clear  Keep

File: 选择文件 未选择任何文件

Save Cancel

清除现有结构并导入

保留现有结构并导入

192.168.0.10/scada-main#

CPU/IO: 0.14 0.11 0.07, Memory: 18%, KNX/TP: ERROR Sync project data

# Logic Machine > Vis . structure > Layouts / Widgets



名称

主背景图

用户模式背景色

重复背景图片：当图片尺寸小于平面尺寸时，重复图片填充整个平面

修复主背景：可修复主背景图，使界面有视差效果

平面尺寸（可扩展）

次背景图

触摸模式背景色

LogicMachine

Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Levels / Plans Layouts / Widgets

Name Duplicate Add / Im... Export Delete

Layouts

Widgets

Layout

Parent: Layouts

Name:

Plan size: 1024 768

Primary background image:

Secondary background image:

Background color:

Touch background color:

Repeat background image:

Fixed primary background:

Save Cancel

192.168.0.10/scada-main# CPU/IO: 0.02 0.03 0.00, Memory: 14%, KNX/TP: ERROR Sync project data

# Logic Machine > Vis . structure > Layouts / Widgets

LogicMachine

Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes **Vis. structure** Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Levels / Plans **Layouts / Widgets**

Name	Duplicate	Add / Im...	Export	Delete
Layouts		+		
abc				✖
Widgets		+		

**Import**

Linked objects:  Clear  Keep

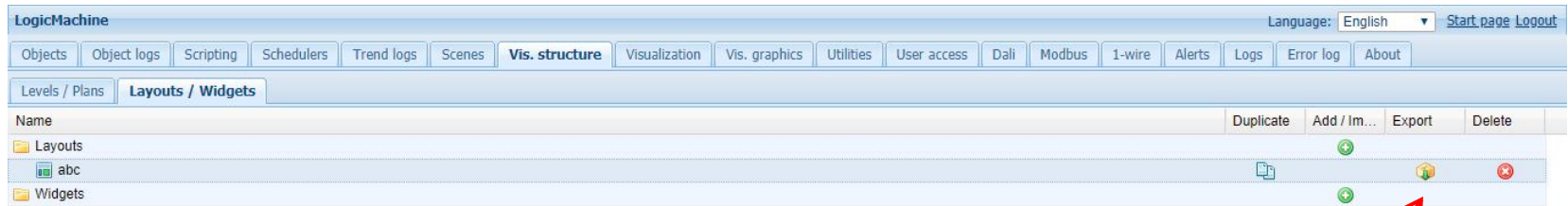
File:  未选择任何文件

清除现有结构并导入

保留现有结构并导入

192.168.0.10/scada-main# CPU/IO: 0.02 0.01-0.00, Memory: 14%, KNX/TP: ERROR Sync project data

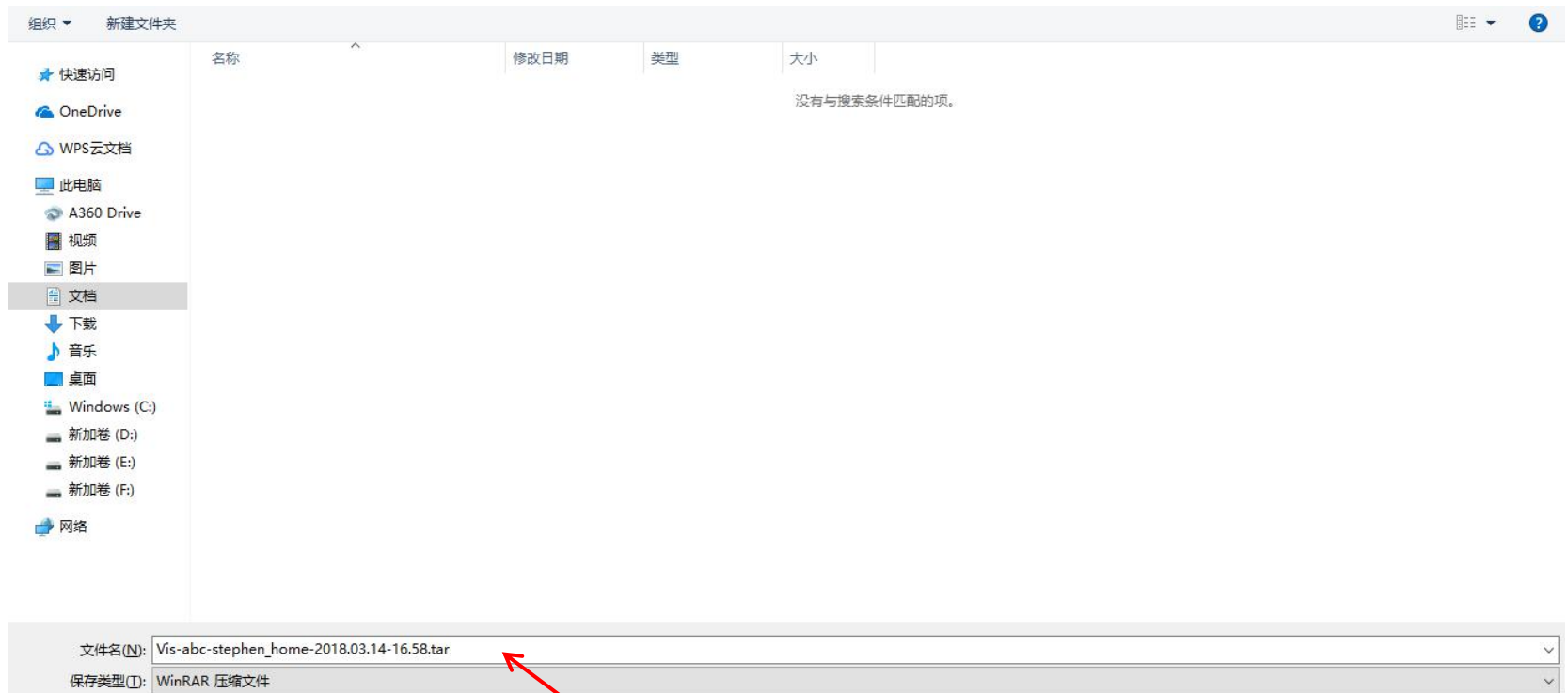
# Logic Machine > Vis . structure > Layouts / Widgets



导出



# Logic Machine > Vis . structure > Layouts / Widgets



.tar的文件后缀

# Logic Machine > Vis . structure > Layouts / Widgets

LogicMachine

Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes **Vis. structure** Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Levels / Plans **Layouts / Widgets**

Name	Duplicate	Add / Im...	Export	Delete
Layouts		+		
abc				
Widgets		+		

Select an action

- Add
- Import

添加新的小工具

导入

192.168.0.10/scada-main# CPU/IO: 0.04 0.02 0.00, Memory: 14%, KNX/TP: ERROR Sync project data

名称

小工具位置

用户模式背景色

重复背景图片：当图片尺寸小于平面尺寸时，重复图片填充整个平面

Widget

Parent:

Name:

Plan size: 1024 768

Widget position:

Primary background image:

Background color:

Touch background color:

Repeat background image:

Fixed primary background:

Widgets

平面尺寸（可扩展）

主背景图

触摸模式背景色

修复主背景：可修复主背景图，使界面有视差效果

192.168.0.10/scada-main# CPU/IO: 0.00 0.01 0.00, Memory: 15%, KNX/TP: ERROR Sync project data

# Logic Machine > Vis . structure > Layouts / Widgets

LogicMachine Language: English [Start page](#) [Logout](#)

Objects | Object logs | Scripting | Schedulers | Trend logs | Scenes | **Vis. structure** | Visualization | Vis. graphics | Utilities | User access | Dali | Modbus | 1-wire | Alerts | Logs | Error log | About

Levels / Plans | **Layouts / Widgets**

Name	Duplicate	Add / Im...	Export	Delete
Layouts		+		
abc	📄	+	📄	✖
Widgets		+		
efg	📄	+	📄	✖

# Logic Machine > Vis .graphics



图标文件推荐SVG格式，便于浏览器的加载



Logic Machine > Vis . graphics > Images / Backgrounds

The screenshot shows the Logic Machine web interface. At the top, there are navigation tabs: Objects, Object logs, Scripting, Schedulers, Trend logs, Scenes, Vis. structure, Visualization, **Vis. graphics**, Utilities, User access, Dali, Modbus, 1-wire, Alerts, Logs, Error log, and About. Below these are sub-tabs: Icons, **Images / Backgrounds**, and Fonts. The main area displays four image thumbnails: 7777944\_11..., KNXNormCE..., co2.jpg, and pm25.jpg. A dialog box titled 'Add new graphics' is open in the center. It has a 'Name (optional):' text input field, a 'File:' field with a '选择文件' button and the text '未选择任何文件'. Below the file field is an information icon and the text: 'Name can contain letters, numbers, underscore and minus sign. ZIP archive containing multiple graphics can be uploaded, each item cannot exceed 2MB, whole archive size cannot exceed 32MB'. At the bottom of the dialog are 'Save' and 'Cancel' buttons. A red arrow points from the 'Add images' button at the bottom left of the interface to the dialog box. Another red arrow points from the dialog box to the Chinese text below.

名称可以包含字母、数字、下划线和减号；ZIP文件包含多个图形可以上传，每个对象不能超过2MB，整个文件大小不能超过32MB

# Logic Machine > Vis . graphics > Fonts

LogicMachine

Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes Vis. structure Visualization **Vis. graphics** Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Icons Images / Backgrounds **Fonts** Edit custom CSS

Font	Delete
CaiYunHanMaoBi-Xing (Regular)	✖
FZZJ-YGYTKJW (Regular)	✖
JXC (Regular)	✖

**Add font**

File:  未选择任何文件

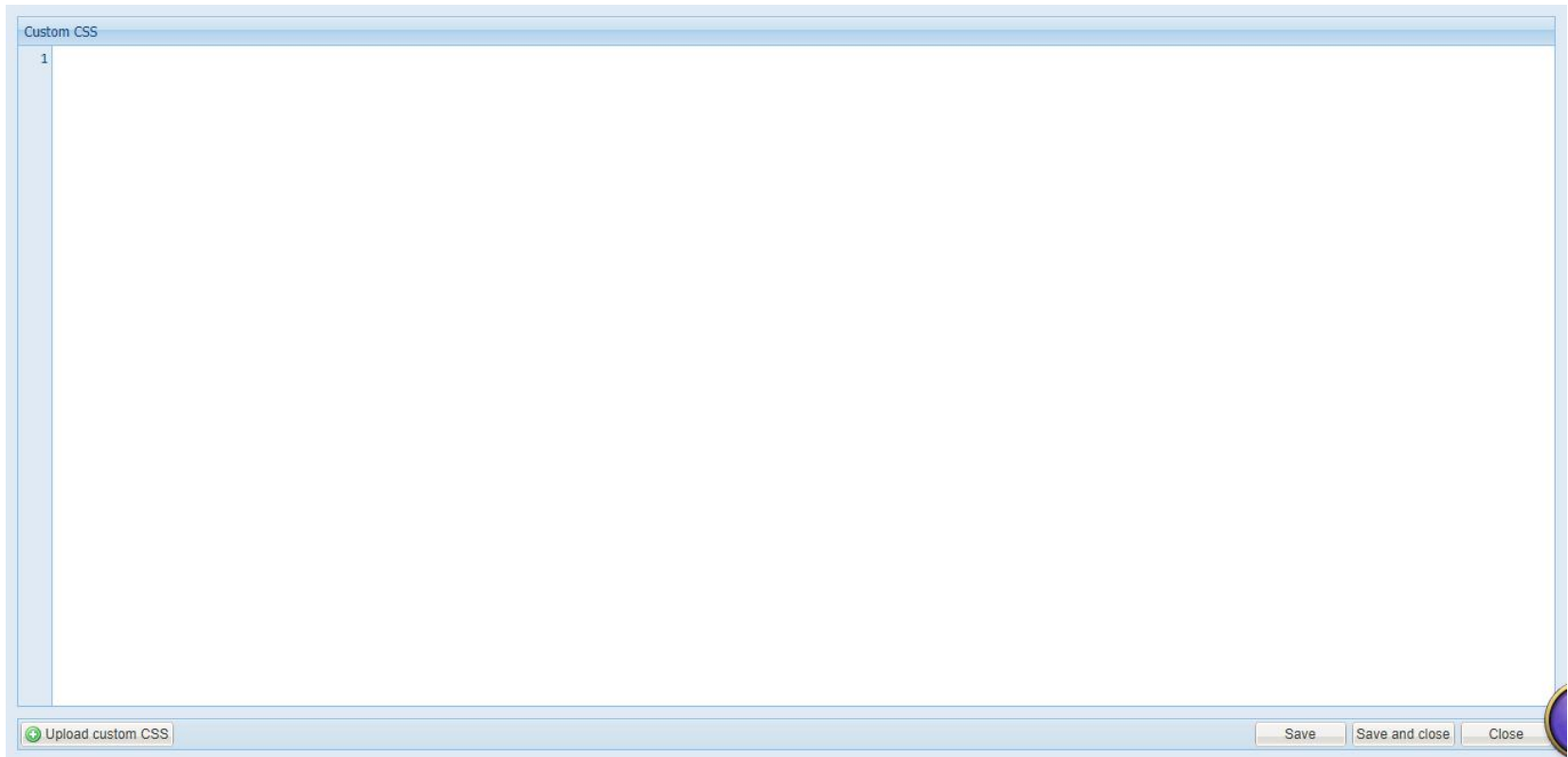
Only **TTF** and **OTF** fonts are supported. Page reload is required for new fonts to become visible in the visualization editor

Save Cancel

192.168.0.10/scada-main# CPU/IO: 0.04 0.03 0.07, Memory: 15%, KNX/TP: ERROR Sync project data

只有 TTF 和 OTF 字体支持；在可视化界面编辑中，要使用新字体必须重新加载页面

Logic Machine > Vis .graphics > Edit custom CSS



# Logic Machine > Visualization

The screenshot shows the Logic Machine software interface. The top menu bar includes 'Objects', 'Object logs', 'Scripting', 'Schedulers', 'Trend logs', 'Scenes', 'Vis. structure', 'Visualization', 'Vis. graphics', 'Utilities', 'User access', 'Dali', 'Modbus', '1-wire', 'Alerts', 'Logs', 'Error log', and 'About'. The 'Visualization' tab is active. On the left, a 'Structure' tree shows a hierarchy: Main (计数1, 计数2, 绝对值1, 负三角函数, 绝对值2), test (test1, 132), Layouts (abc), and Widgets (efg). A 'Plan editor' panel on the right contains settings for 'Main object', 'Status object', 'Custom name', 'Read-only', 'Hide in Touch', 'Hide background', 'Send fixed value', 'No bus write', 'Pin code', 'Widget', 'Display mode', and 'Touch icon'. Three red arrows point from Chinese labels to specific parts of the interface: '结构区域' (Structure area) points to the tree, '界面编辑区' (Interface editing area) points to the main workspace, and '平面编辑器' (Plane editor) points to the Plan editor panel.

Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Structure

- Main
  - 计数1
  - 计数2
  - 绝对值1
  - 负三角函数
  - 绝对值2
- test
  - test1
  - 132
- Layouts
  - abc
- Widgets
  - efg

Plan editor

Object Link Text label Image Frame

Main object: [dropdown]  
Visualization parameters  
Status object: Use main object [dropdown]  
Custom name: [text]  
Read-only: [checkbox]  
Hide in Touch: [checkbox]  
Hide background: [checkbox] [checked]  
Send fixed value: [text]  
No bus write: [checkbox] In Usermode/Touch  
Pin code: [text]  
Widget: No widget [dropdown]  
Display mode: Icon and value [dropdown]  
Touch icon: [dropdown] [x] [dropdown]

Add to plan Cancel

Element position: 10 10  
Element size: [text] [text] [text] [text]

Unlock current plan for editing Cancel

Version: 20170620 CPU/IO: 0.10 0.05 0.01, Memory: 16%, KNX/TP: ERROR Sync project da

# Logic Machine > Visualization

The screenshot shows the Logic Machine software interface. On the left, the 'Structure' tree is visible, with a red arrow pointing to the '培训' (Training) folder under the 'Main' category. The main workspace is currently empty. On the right, the 'Plan editor' is open, showing various configuration options for a plan, such as 'Source', 'Url', 'Frame size', and 'Refresh interval'. A red arrow points to the 'Unlock current plan for editing' button at the bottom of the Plan editor. The status bar at the bottom displays system metrics: 'CPU/IO: 0.06 0.02 0.00, Memory: 16%, KNX/TP: ERROR'.

192.168.0.10/scada-main#

CPU/IO: 0.06 0.02 0.00, Memory: 16%, KNX/TP: ERROR

Sync project da

点击所选平面

解锁当前平面进行编辑

The screenshot shows the Logic Machine software interface, specifically the Visualization Plan editor. The main workspace is a grid. On the right, there is a 'Plan editor' panel with tabs for 'Object', 'Link', 'Text label', 'Image', and 'Frame'. The 'Object' tab is selected. Below the tabs are various configuration options for the selected object, including 'Main object', 'Status object', 'Custom name', 'Read-only', 'Hide in Touch', 'Hide background', 'Send fixed value', 'No bus write', 'Pin code', 'Widget', 'Display mode', and 'Touch icon'. At the bottom of the panel are 'Add to plan', 'Cancel', 'Save and reload plan', and 'Cancel' buttons. The status bar at the bottom shows 'Version: 20170620', 'CPU/IO: 0.00 0.00 0.00', 'Memory: 16%', 'KNX/TP: ERROR', and 'Sync project da...'. A small '61' icon is visible in the bottom right corner.

对象

链接

文本标签

图像

框架

# Logic Machine > Visualization

测量仪表

摄像头

图表

Plan editor

el Image Frame Gauge Camera Graph

Main object:

Visualization parameters

Status object: Use main object

Custom name:

Read only:

Hide in Touch:

Hide background:

Send fixed value:

No bus write:  In Usermode/Touch

Pin code:

Widget: No widget

Display mode: Icon and value

Touch icon:

Add to plan Cancel

Element position: 10 10

Element size:

Save and reload plan Cancel

Version: 20170620 CPU/IO: 0.04 0.01 0.00, Memory: 17%, KNX/TP: ERROR Sync project da...

# Logic Machine > Visualization > Object

The screenshot shows the Logic Machine software interface. The main workspace is a grid where objects are placed. On the right, the 'Plan editor' is open, showing configuration options for an 'Object'. The following table summarizes the settings shown in the image:

Setting	Value
Main object	[Dropdown menu]
Status object	Use main object
Custom name	[Text field]
Read-only	<input type="checkbox"/>
Hide in Touch	<input type="checkbox"/>
Hide background	<input checked="" type="checkbox"/>
Send fixed value	[Text field]
No bus write	<input type="checkbox"/> In Usermode/Touch
Pin code	[Text field]
Widget	No widget
Display mode	Icon and value
Touch icon	[Dropdown menu]

Red arrows point from the following Chinese labels to the corresponding settings in the Plan editor:

- 主对象 (Main object) - points to the 'Main object' dropdown.
- 可视化参数 (Visualization parameters) - points to the 'Visualization parameters' icon.
- 状态对象 (Status object) - points to the 'Status object' dropdown.
- 名称 (Name) - points to the 'Custom name' text field.
- 只读 (Read-only) - points to the 'Read-only' checkbox.
- Touch端隐藏 (Hide in Touch) - points to the 'Hide in Touch' checkbox.
- 隐藏图标背景 (Hide background) - points to the 'Hide background' checkbox.
- 发送固定值 (Send fixed value) - points to the 'Send fixed value' text field.

At the bottom of the interface, the status bar shows: Version: 20170620, CPU/IO: 0.03 0.01 0.00, Memory: 18%, KNX/TP: ERROR, and a Sync project data button.

# Logic Machine > Visualization > Object

全局参数：针对整个群组对象

局部参数：只针对当前正在编辑的对象

使用局部参数覆盖全局参数

清除局部参数

LogicMachine

Neighbours: Select neighbour Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Plan editor

Main object: 1/1/2 test2 Visualization parameters

Status object: Use main object

Custom name: 你好

Hide in Touch:

Hide background:

No bus write:  In Usermode/Touch

Pin code:

Widget: No widget

Display mode: Icon and value

Default icon: bell-active.svg

Apply Cancel

Element position: 77 336

Element size: 56 56

Delete 10 10 Duplicate Copy

192.168.0.10/scada-main# CPU/IO: 0.00 0.00 0.00, Memory: 17%, KNX/TP: ERROR Sync project data

# Logic Machine > Visualization > Object

不向总线写值

密码

小插件

显示类型：图标和值、图标、值

Touch端图标

额外的CSS框架

Plan editor

Object Link Text label Image Frame G

Generated value:

No bus write:  In Usermode/Touch

Pin code:

Widget: No widget

Display mode: Icon and value

Touch icon:  x

Additional classes:

Font size: 12

Text styles:  B  I  U

Custom font:

Font color:  x

Show value background:

Show control:  Inline in Usermode

Add to plan Cancel

Element position: 10 10

Element size:

Save and reload plan Cancel

Version: 20170620 CPU/IO: 0.00 0.00 0.00, Memory: 18%, KNX/TP: ERROR Sync project data

# Logic Machine > Visualization > Object

LogicMachine

Neighbours: Select neighbour Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes Vis. structure **Visualization** Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Plan editor

Object Link Text label Image Frame G

Generated value:

No bus write:  In Usermode/Touch

Pin code:

Widget: No widget

Display mode: Icon and value

Touch icon:  x

Additional classes:

Font size: 12

Text styles:  B  I  U

Custom font:

Font color:  x

Show value background:

Show control:  Inline in Usermode

Add to plan Cancel

Element position: 10 10

Element size:

Save and reload plan Cancel

Version: 20170620 CPU/IO: 0.00 0.00 0.00, Memory: 18%, KNX/TP: ERROR Sync project data

文本类型: 加粗、倾斜、下划线

字体类型

字体颜色

显示值背景

直接显示控制条

# Logic Machine > Visualization > Link

The screenshot shows the Logic Machine software interface. The main workspace is a grid with a yellow arrow icon labeled '1' and a bell icon labeled '237'. The 'Plan editor' panel on the right is open to the 'Link' tab. The configuration options in the 'Link' tab are:

- Link to: [Dropdown menu]
- Custom name: [Text input field]
- Hide in Touch:
- Hide background:
- Display mode: [Dropdown menu, set to 'Icon']
- Icon: [Text input field]
- Active state icon: [Dropdown menu with 'x' icon]
- Additional classes: [Text input field]

At the bottom of the 'Plan editor' panel, there are 'Add to plan' and 'Cancel' buttons. Below the main workspace, there are 'Element position' and 'Element size' settings with spinners and a 'Save and reload plan' button.

Chinese annotations with red arrows pointing to the configuration options:

- 链接至 (Link to)
- 名称 (Custom name)
- 隐藏图标背景 (Hide background)
- 显示类型: 图标、值 (Display mode: Icon, Value)
- 图标 (Icon)
- 激活状态图标 (Active state icon)
- 额外的CSS框架 (Additional classes)

Version: 20170620 CPU/IO: 0.12 0.11 0.05, Memory: 18%, KNX/TP: ERROR Sync project data

# Logic Machine > Visualization > Link

LogicMachine

Neighbours: Select neighbour Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes Vis. structure **Visualization** Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Plan editor

Object Link **Text label** Image Frame

Link to: [dropdown]  
Custom name: [text]  
Hide in Touch:   
Hide background:   
Display mode: Value [dropdown]  
Font size: 14 [spinners]  
Text styles:  B  I  U  
Custom font: [dropdown]  
Font color: [color picker]  
Additional classes: [text]

Add to plan Cancel

Element position: 10 10 [spinners]  
Element size: [spinners]

Paste Save and reload plan Cancel

Version: 20170620 CPU/IO: 0.02 0.04 0.02, Memory: 18%, KNX/TP: ERROR Sync project data

字体大小

文本类型：加粗、倾斜、下划线

字体类型

字体颜色

额外的CSS框架

# Logic Machine > Visualization > Text label

The screenshot shows the Logic Machine software interface. The main workspace is a grid with several icons: a yellow bell icon with '237', a yellow arrow icon with '1', a lightbulb icon, and a blue arrow icon. A text label is placed on the grid with the text '文本类型：加粗、倾斜、下划线'. The 'Plan editor' panel on the right is open, showing the configuration for the selected 'Text label' object. The configuration options include: Text (empty), Font size (14), Text styles (B, I, U), Custom font (empty), Font color (blue), and Additional classes (empty). The 'Element position' is set to (10, 10) and 'Element size' is set to (10, 10). The status bar at the bottom shows 'Version: 20170620', 'CPU/IO: 0.00 0.00 0.00', 'Memory: 18%', 'KNX/TP: ERROR', and 'Sync project data'.

Text content

Font size

Text styles: Bold, Italic, Underline

Text type: Bold, Italic, Underline

Font type

Font color

Additional CSS framework

# Logic Machine > Visualization > Image

LogicMachine

Neighbours: Select neighbour Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes Vis. structure **Visualization** Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Plan editor

Object Link Text label **Image** Frame

Image source: Local

Select image:

Image size:

External link:

Refresh interval (seconds):

Additional classes:

Add to plan Cancel

Element position: 10 10

Element size:

Paste Save and reload plan Cancel

Version: 20170620 CPU/IO: 0.00 0.00 0.00, Memory: 18%, KNX/TP: ERROR Sync project data

237

1

图片源：本地或远程

选择图片

图片尺寸

外部链接：点击图片后跳转的外部链接地址

刷新周期

额外的CSS框架

# Logic Machine > Visualization > Image

The screenshot shows the Logic Machine software interface. The main workspace is a grid with several objects: a yellow bell icon labeled '237', a yellow arrow icon labeled '1', a sun icon, and a large blue circle labeled 'PM2.5'. The 'Plan editor' panel on the right is open, showing the 'Image' tab. It contains the following fields:

- Image source: Remote
- Image uri: [empty]
- Image size: [width] [height]
- External link: [empty]
- Refresh interval (seconds): [empty]
- Additional classes: [empty]

Buttons at the bottom of the panel include 'Add to plan', 'Cancel', 'Save and reload plan', and 'Cancel'. The status bar at the bottom shows 'Version: 20170620', 'CPU/IO: 0.04 0.02 0.00', 'Memory: 18%', 'KNX/TP: ERROR', and 'Sync project data'.

中文标注:

- 选择图片 (Select image) - points to the 'Image uri' field in the Plan editor.
- 刷新周期 (Refresh cycle) - points to the 'Refresh interval (seconds)' field in the Plan editor.

# Logic Machine > Visualization > Image

外部链接：一定是完整的URL源地址

Version: 20170620 CPU/IO: 0.36 0.15 0.05, Memory: 18%, KNX/TP: ERROR Sync project data

# Logic Machine > Visualization > Frame

The screenshot shows the Logic Machine software interface. The main workspace is a grid where a visualization is being edited. On the right, the 'Plan editor' panel is open, showing settings for a 'Frame' object. Red arrows point from Chinese annotations to specific settings in the Plan editor:

- 源类型: URL源地址、日程表、趋势图表** (Source type: URL address, calendar, trend chart) points to the 'Source' dropdown menu.
- URL源地址** (URL address) points to the 'Uri' text input field.
- 框架尺寸** (Frame size) points to the 'Frame size' numeric input fields (480 and 320).
- 名称** (Name) points to the 'Custom name' text input field.
- 刷新周期: 设定刷新, 界面将在刷新时有闪烁动作** (Refresh interval: Set refresh, the interface will flash when refreshed) points to the 'Refresh interval (seconds)' dropdown menu.
- Touch端隐藏** (Hide on touch) points to the 'Hide in Touch' checkbox.
- 持续性: 隐藏时不卸载** (Persistence: Do not unload when hidden) points to the 'Persistent' checkbox.
- 额外的CSS框架** (Additional CSS framework) points to the 'Additional classes' text input field.

Other annotations on the grid include:

- 237** (next to a bell icon)
- 1** (next to a sun icon)
- PM2.5** (circled in blue, next to a sun icon)
- 名称** (Name) (next to a blue circle)

The Plan editor panel includes buttons for 'Add to plan', 'Cancel', 'Save and reload plan', and 'Cancel'.

# Logic Machine > Visualization > Frame

The screenshot shows the Logic Machine software interface. The main workspace is a grid with several icons: a yellow bell icon, a yellow arrow icon, a lightbulb icon, and a blue arrow icon. A large blue circle with the text "PM2.5" is also present. The text "日程表" (Schedule) is written on the grid, with a red arrow pointing to the "Plan editor" panel on the right. The "Plan editor" panel has tabs for "Object", "Link", "Text label", "Image", and "Frame". The "Frame" tab is selected, showing settings for "Source" (Schedulers), "Frame size" (480 x 320), "Custom name", "Refresh interval (seconds)", "Hide in Touch", "Persistent" (Do not unload when hid...), and "Additional classes". There are "Add to plan" and "Cancel" buttons. At the bottom, there are "Element position" (10 x 10) and "Element size" settings, along with "Save and reload plan" and "Cancel" buttons. The status bar at the bottom shows "Version: 20170620", "CPU/IO: 0.04 0.09 0.07", "Memory: 19%", "KNX/TP: ERROR", and "Sync project data".

# Logic Machine > Visualization > Frame

The screenshot displays the Logic Machine software interface. The main workspace is a grid with several icons: a yellow bell, a yellow arrow pointing left, a lightbulb, and a blue arrow pointing left. A large circle labeled 'PM2.5' is also present. The 'Plan editor' panel on the right is open, showing the 'Frame' tab. The 'Source' dropdown is set to 'Trend logs'. The 'Frame size' is set to 480x320. The 'Refresh interval (seconds)' is set to 10. The 'Element position' is set to 10x10. The 'Element size' is set to 10x10. A red arrow points from the Chinese text '趋势图表' to the 'Trend logs' option in the 'Plan editor' panel.

Version: 20170620 CPU/IO: 0.03 0.07 0.06, Memory: 19%, KNX/TP: ERROR Sync project data

# Logic Machine > Visualization > Gauge

The screenshot shows the LogicMachine software interface. The main workspace contains a grid with several UI elements: a yellow bell icon, a yellow left arrow icon, a blue left arrow icon, a blue lightbulb icon, a large blue circle with 'PM2.5' text, and another blue left arrow icon. A gauge is also present, showing a scale from 0 to 100 with a needle pointing to approximately 20 and a digital display showing '21.70'. The gauge has the Chinese characters '温度' (Temperature) and '21.70' on it.

The 'Plan editor' panel on the right has tabs for 'el', 'Image', 'Frame', 'Gauge', 'Camera', and 'Graph'. The 'Gauge' tab is active. The settings in the 'Gauge' tab are:

- Data object: [Dropdown menu]
- Visualization parameters: [Icon]
- Gauge size: 200 [Spinner]
- Custom name: [Text field]
- Read-only:
- Additional classes: [Text field]

At the bottom of the 'Plan editor' panel, there are 'Add to plan' and 'Cancel' buttons. Below that, 'Element position' is set to 10 and 'Element size' is set to [Spinner]. At the very bottom of the interface, there are 'Save and reload plan' and 'Cancel' buttons.

Chinese labels with red arrows pointing to the settings in the 'Plan editor' panel:

- 数据群组对象 (Data group object) - points to 'Data object'
- 可视化参数 (Visualization parameters) - points to 'Visualization parameters'
- 仪表尺寸 (Gauge size) - points to 'Gauge size'
- 名称 (Name) - points to 'Custom name'
- 只读 (Read-only) - points to 'Read-only'
- 额外的CSS框架 (Additional CSS framework) - points to 'Additional classes'

Version: 20170620 CPU/IO: 0.08 0.09 0.06, Memory: 18%, KNX/TP: ERROR Sync project data

# Logic Machine > Visualization > Gauge

The screenshot shows the LogicMachine software interface. The main workspace contains a grid with several UI elements: a yellow bell icon, a yellow left arrow icon, a blue left arrow icon, a blue lightbulb icon, a large blue circle with 'PM2.5' text, and another blue left arrow icon. A gauge is also present, showing a scale from 0 to 100 with a needle pointing to 21.70. The gauge has the Chinese characters '温度' (Temperature) and '21.70' displayed on it.

The 'Plan editor' panel on the right is open, showing the 'Gauge' tab. The settings are as follows:

- Data object: [Dropdown menu]
- Visualization parameters: [Icon]
- Gauge size: 200
- Custom name: [Text field]
- Read-only:
- Additional classes: [Text field]

Red arrows point from the following Chinese labels to the corresponding settings in the 'Plan editor':

- 数据群组对象 (Data group object) - points to 'Data object'
- 可视化参数 (Visualization parameters) - points to 'Visualization parameters'
- 仪表尺寸 (Gauge size) - points to 'Gauge size'
- 名称 (Name) - points to 'Custom name'
- 只读 (Read-only) - points to 'Read-only'
- 额外的CSS框架 (Additional CSS framework) - points to 'Additional classes'

At the bottom of the interface, there are buttons for 'Add to plan', 'Cancel', 'Save and reload plan', and 'Cancel'. The status bar at the bottom shows 'Version: 20170620', 'CPU/IO: 0.08 0.09 0.06', 'Memory: 18%', 'KNX/TP: ERROR', and 'Sync project data'.

# Logic Machine > Visualization > Camera

The screenshot shows the Logic Machine interface with a visualization editor. The main workspace contains a grid with several icons: a yellow arrow pointing left, a blue arrow pointing left, a blue lightbulb icon, a blue circle with 'M2.5', and a circular gauge labeled '温度' (Temperature) showing a value of 22.10. On the right, the 'Plan editor' panel is open, showing configuration options for a 'Camera' element. Red arrows point from Chinese labels to the following fields in the 'Plan editor':

- URL源地址 (URL source address) - points to the 'Source url' field.
- 窗口尺寸 (Window size) - points to the 'Window size' field, which shows 640 and 480.
- 名称 (Name) - points to the 'Custom name' field.
- 图标 (Icon) - points to the 'Icon' dropdown menu, which is set to 'camera.svg'.
- 自动弹开窗口 (Auto open window) - points to the 'Auto open window' checkbox, which is unchecked.
- 隐藏图标背景 (Hide icon background) - points to the 'Hide background' checkbox, which is checked.
- 额外的CSS框架 (Additional CSS framework) - points to the 'Additional classes' text input field.

At the bottom of the 'Plan editor' panel, there are buttons for 'Add to plan', 'Cancel', 'Save and reload plan', and 'Cancel'. The status bar at the bottom of the Logic Machine window shows 'Version: 20170620', 'CPU/IO: 0.00 0.01 0.04', 'Memory: 18%', 'KNX/TP: ERROR', and 'Sync project data'.

# Logic Machine > Visualization > Graph

LogicMachine

Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Plan editor

Data object: [dropdown]  
Custom name: [text]  
Icon: [dropdown]  
Window size: 640 x 480  
Number of points: 10  
Auto-follow value:  Do not always show zero  
Auto open window:   
Hide background:   
Additional classes: [text]

Add to plan Cancel

Element position: 10 x 10  
Element size: [width] x [height]

Save and reload plan Cancel

Version: 20170620 CPU/IO: 0.02 0.04 0.00, Memory: 16%, KNX/TP: ERROR Sync project data

数据群组对象  
名称  
图标  
窗口尺寸  
数据点数量  
不总显示0点  
自动弹窗  
隐藏图标背景  
额外的CSS框架

# Logic Machine > Visualization



触控端对象排序

触控端界面预览

可视化界面配置 用户端界面预览

# Logic Machine > Visualization > Vis.configuration

LogicMachine

Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Structure

- Main
  - 计数1 (可扩展)
  - 计数2 (可扩展)
  - 绝对值1 (可扩展)
  - 负三角函数 (可扩展)
  - 绝对值2 (可扩展)
  - 培训
- test
  - test1
  - 132
- Layouts
  - abc (可扩展)
- Widgets
  - efg

用户模式工具条 (可扩展)

用户模式视图 (可扩展)

用户模式界面过度 (可扩展)

Vis. configuration

- Usermode sidebar: Show as overlay (auto-hide)
- Usermode view: Center plans, enable auto-sizing
- Usermode page transition: Expand
- Usermode auto-size upscaling:
- Usermode background color:
- Usermode background image:
- Custom font:
- Use dark theme:
- Enable swipe gesture:
- Disable object click animation:
- Dim inactive visualization after:  minutes
- Dimming level: 80 %
- Show alerts in Usermode:

Plan editor

Data object:

Custom name:

Icon:

Window size: 640 480

Number of points: 10

Auto-follow value:  Do not always show zero

Auto open window:

Hide background:

Additional classes:

Add to plan Cancel

Element position: 10 10

Element size:

Unlock current plan for editing Cancel

192.168.0.10/scada-main# CPU/IO: 0.01 0.03 0.00, Memory: 17%, KNX/TP: ERROR Sync project data

# Logic Machine > Visualization > Vis.configuration

LogicMachine

Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Structure

- Main
  - 计数1
  - 计数2
  - 绝对值1
  - 负三角函数
  - 绝对值2
  - 培训
- test
  - test1
  - 132
- Layouts
  - abc
  - Wires
  - elg

用户模式自动  
填充尺寸大小

用户模式背景颜色

用户模式背景图片

通用字体

Vis. configuration

Plan editor

Data object: [dropdown]  
Custom name: [text]  
Icon: [dropdown]  
Window size: 640 x 480  
Number of points: 10  
Auto-follow value:  Do not always show zero  
Auto open window:   
Hide background:   
Additional classes: [text]

Add to plan Cancel

Element position: 10 x 10  
Element size: [dropdown] [dropdown] [dropdown]

Unlock current plan for editing Cancel

192.168.0.10/scada-main# CPU/IO: 0.01 0.03 0.00, Memory: 17%, KNX/TP: ERROR Sync project data

# Logic Machine > Visualization > Vis.configuration

LogicMachine

Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes Vis. structure **Visualization** Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Structure

- Main
  - 计数1
  - 计数2
  - 绝对值1
  - 负三角函数
  - 绝对值2
  - 培训
- test
  - test1
    - 132
- Layouts
  - abc
- Widgets
  - efg

Vis. configuration

Usermode sidebar: Show as overlay (auto-hide)

Usermode view: Center plans, enable auto-sizing

Usermode page transition: Expand

Usermode auto-size upscaling:

Usermode background color:

Usermode background image:

Custom font:

Use dark theme:

Enable swipe gesture:

Disable object click animation:

Dim inactive visualization after:  minutes

Dimming level: 80 %

Show alerts in Usermode:

Save Cancel

Plan editor

Data object:

Custom name:

Icon:

Window size: 640 480

Number of points: 10

Auto-follow value:  Do not always show zero

Auto open window:

Hide background:

Additional classes:

Add to plan Cancel

Element position: 10 10

Element size:

Unlock current plan for editing Cancel

192.168.0.10/scada-main# CPU/IO: 0.01 0.03 0.00, Memory: 17%, KNX/TP: ERROR Sync project data

使用暗色主题

启用滑动手势

禁用对象点击动画

Logic Machine > Visualization > Vis.configuration

Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes Vis. structure **Visualization** Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Structure

- Main
  - 计数1
  - 计数2
  - 绝对值1
  - 负三角函数
  - 绝对值2
  - 培训
- test
  - test1
  - 132
- Layouts
  - abc
- Widgets
  - efg

Plan editor

- Data object:
- Custom name:
- Icon:
- Window size: 640 480
- Number of points: 10
- Auto-follow value:  Do not always show zero
- Auto open window:
- Hide background:
- Additional classes:

**Vis. configuration**

- Usermode sidebar: Show as overlay (auto-hide)
- Usermode view: Center plans, enable auto-sizing
- Usermode page transition: Expand
- Usermode auto-size upscaling:
- Usermode background color:
- Usermode background image:
- Custom font:
- Use dark theme:
- Enable swipe gesture:
- Disable object click animation:
- Dim inactive visualization after: 80 minutes
- Dimming level: 80 %
- Show alerts in Usermode:

192.168.0.10/scada-main# CPU/IO: 0.01 0.03 0.00, Memory: 17%, KNX/TP: ERROR Sync project data

经过一定时间  
将未正在使用的  
可视化界面  
亮度调低，以  
保持待机状态  
  
调低到正常亮  
度的百分比

在用户模式下  
显示报警信息

用户模式工具条:

1. 显示在固定位置
2. 显示为浮动可隐藏
3. 隐藏

Logic Machine > Visualization > Vis.configuration

用户模式视图:

1. 对齐平面左上角, 没有尺寸限制
2. 平面图中心, 尺寸受限
3. 平面图中心, 可自动调整尺寸
4. 水平中心, 自动调节宽度

用户模式界面过渡:

1. Fade: 渐变消失
2. Flip X: 沿X轴方向、Y轴翻转; 类推Flip Y
3. Shrink: 收缩
4. Slide Up: 向上滑动; 类推Slide Down、Slide Left、Slide Right
5. Slide Up Big: 向上滑动, 幅度比Slide Up大; 类推Slide Down Big、Slide Left Big、Slide Right Big

Vis. configuration

Usermode sidebar: Show as overlay (auto-hide)

Usermode view: Center plans, limit size

Usermode page transition: **Slide Up Big**

Usermode auto-size upscaling: No transition

Usermode background color: No transition

Usermode background image:

Custom font:

Use dark theme:

Enable swipe gesture:

Disable object click animation:

Dim inactive visualization after:

Dimming level:

Show alerts in Usermode:

Save Cancel

Plan editor

Main object:

Status object: Use main object

Custom name:

Hide in Touch:

Hide background:

Send fixed value:

No bus write: In Usermode/Touch

Widget: No widget

Display mode: Icon and value

Touch icon:

Add to plan Cancel

Element position: 10 10

Element size:

Unlock current plan for editing Cancel

Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Structure

计数2

绝对值1

绝对值2

培训

测试

132

Layouts

efg

Version: 20170620 CPU/IO: 0.01 0.02 0.01, Memory: 18%, KNX/TP: ERROR Sync project data

# Logic Machine > Visualization > Objects order

The screenshot displays the Logic Machine software interface. The main window is titled "LogicMachine" and features a menu bar with options: Objects, Object logs, Scripting, Schedulers, Trend logs, Scenes, Vis. structure, Visualization, Vis. graphics, Utilities, User access, Dali, Modbus, 1-wire, Alerts, Logs, Error log, and About. The "Visualization" menu is currently selected. On the left, a "Structure" tree shows a hierarchy of folders and objects, including "Main", "test", "Layouts", and "Widgets". A red arrow points to the "Vis. configuration" button at the bottom left of the main window. In the center, a dialog box titled "Change Touch object order (drag to change)" is open, listing the following items: "Object: 你好 (1/1/2 test2)", "Object: 1/1/1 test1", "Link: Trend logs", and "Link: 132". The dialog has "Save" and "Cancel" buttons at the bottom. On the right, a "Plan editor" panel is visible, showing various configuration options for a visualization element, such as "Data object", "Custom name", "Icon", "Window size", "Number of points", "Auto-follow value", "Auto open window", "Hide background", and "Additional classes". The status bar at the bottom of the application shows system information: "192.168.0.10/scada-main#" on the left, "CPU/IO: 0.00 0.01 0.00, Memory: 18%, KNX/TP: ERROR" in the center, and "Sync project data" on the right.

# Logic Machine > Visualization > Visualization

The screenshot displays the Logic Machine software interface. The main window shows a visualization editor with a central browser window displaying a dashboard with various gauges and indicators, including a prominent 'PM2.5' gauge. The interface includes a 'Structure' tree on the left, a 'Plan editor' on the right, and a 'Vis. configuration' panel at the bottom left. A red arrow points to the 'Vis. configuration' panel. The status bar at the bottom indicates 'Version: 20170620', 'CPU/IO: 0.00 0.00 0.00', 'Memory: 18%', and 'KNX/TP: ERROR'.

# Logic Machine > Visualization > Touch

The screenshot displays the Logic Machine software interface. The top menu bar includes 'Objects', 'Object logs', 'Scripting', 'Schedulers', 'Trend logs', 'Scenes', 'Vis. structure', 'Visualization', 'Vis. graphics', 'Utilities', 'User access', 'Dali', 'Modbus', '1-wire', 'Alerts', 'Logs', 'Error log', and 'About'. The 'Visualization' menu is active.

The 'Structure' tree on the left shows a hierarchy: Main (计数1, 计数2, 绝对值1, 负三角函数, 绝对值2, 培训), test (test1, 132), Layouts (abc), and Widgets (efg). A red arrow points to the 'Touch' icon in the bottom toolbar.

The central visualization area shows a 'Touch' configuration screen for a widget named '培训'. The screen has a title bar with navigation arrows and the text '培训'. Below the title bar is a list of items: 'Main', '计数1', '计数2', '绝对值1', '负三角函数', '绝对值2', '培训' (highlighted in blue), 'test', 'test1', and '132'. To the right of this list is a 'Plan editor' panel with a list of items: '你好 1' (with a bell icon), 'Trend logs' (with a star icon), '132' (with a left arrow icon), and 'test1' (with a left arrow icon and a green checkmark icon). The 'Plan editor' panel has buttons for 'Add to plan' and 'Cancel'.

The bottom status bar shows 'Version: 20170620', 'CPU/IO: 0.19 0.05 0.02', 'Memory: 19%', 'KNX/TP: ERROR', and 'Sync project data'.

# Modbus —— Modbus profile编辑

# Logic Machine > Modbus

The screenshot shows the LogicMachine Modbus configuration interface. At the top, there is a navigation menu with tabs for Objects, Object logs, Scripting, Schedulers, Trend logs, Scenes, Vis. structure, Visualization, Vis. graphics, Utilities, User access, Dali, Modbus, 1-wire, Alerts, Logs, Error log, and About. The Modbus tab is active. Below the menu is a table with columns: Name, Profile, Connection type, Device address, Poll interval, Config, Mapping, and Delete. The table contains one entry: RTU 1, THP-201-T26, RTU 1, 1, 5. Below the table, there are six red arrows pointing to buttons in the bottom toolbar. The Chinese annotations are: 'RTU设置' (RTU settings) pointing to 'RTU settings', 'RTU读取测试' (RTU read test) pointing to 'RTU read test', '写地址' (Write address) pointing to 'Write address', 'RTU扫描' (RTU scan) pointing to 'RTU scan', '配置文件' (Configuration file) pointing to 'Profiles', and '添加设备' (Add device) pointing to 'Add device'. The bottom status bar shows 'Version: 20170620', 'CPU/IO: 0.00 0.01 0.00', 'Memory: 17%', 'KNX/TP: ERROR', and 'Sync project data'.

Name	Profile	Connection type	Device address	Poll interval	Config	Mapping	Delete
RTU 1	THP-201-T26	RTU 1	1	5			

RTU设置    RTU读取测试    写地址

RTU扫描    配置文件

添加设备

Buttons: Add device, RTU settings, RTU scan, RTU read test, Profiles, Write address

Version: 20170620    CPU/IO: 0.00 0.01 0.00, Memory: 17%, KNX/TP: ERROR    Sync project data

# Logic Machine > Modbus > Profile

The screenshot shows the LogicMachine interface with the Modbus configuration window open. The 'Profiles' dialog box contains the following table:

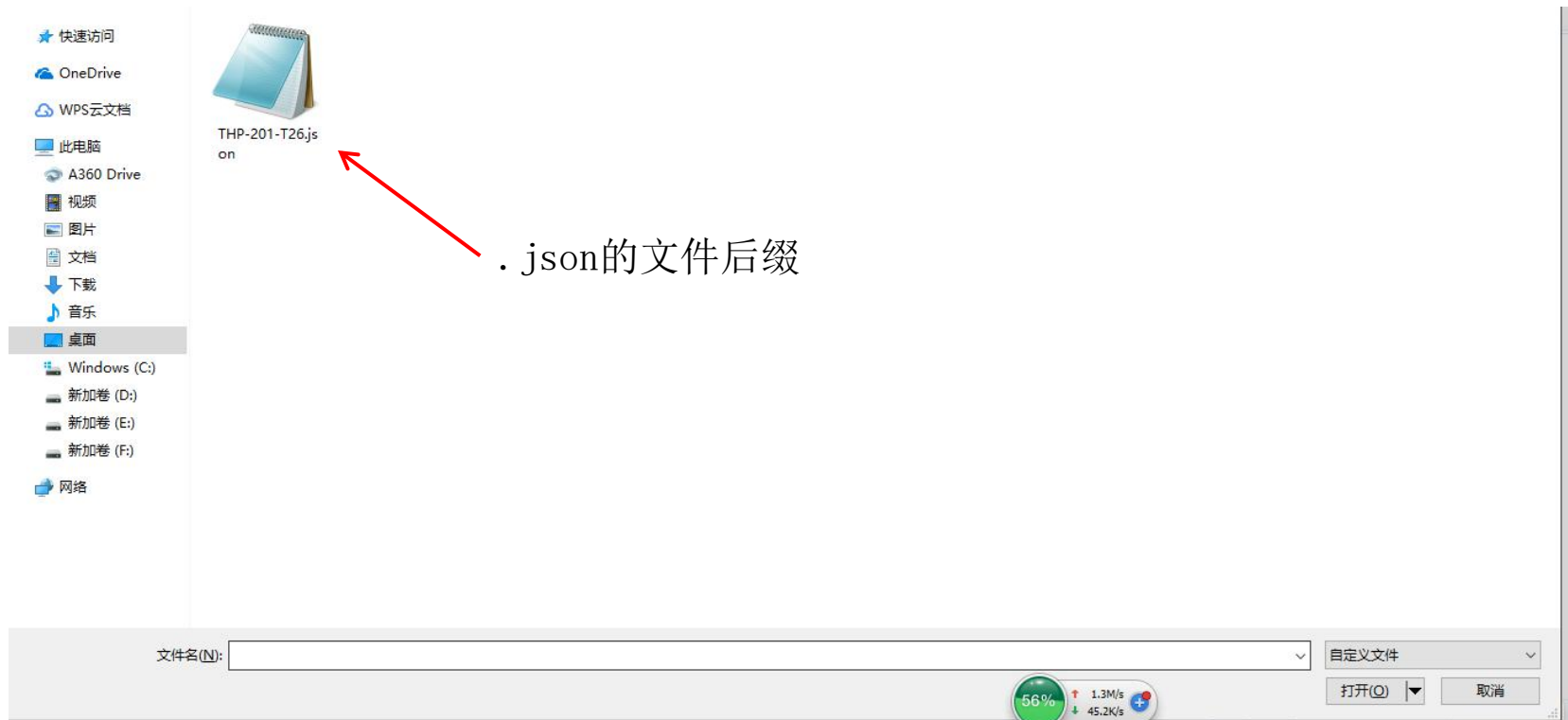
Profile	Description	Manufacturer	Do...	Delete
THP-201-T26	THP-201-T26	Embedded Systems--stephen.song		
UIO20	Universal 16+4 I/O module	Embedded Systems		

An 'Add profile' dialog box is open, showing a 'File:' field with the text '选择文件 未选择任何文件' and 'Save' and 'Cancel' buttons.

At the bottom of the main window, there is a toolbar with buttons for 'Add device', 'RTU settings', 'RTU scan', 'RTU read test', 'Profiles', and 'Write address'. A red arrow points to the 'Profiles' button in this toolbar.

The status bar at the bottom shows the address '192.168.0.10/scada-main#' and system metrics: 'CPU/IO: 0.06 0.03 0.01, Memory: 17%, KNX/TP: ERROR'.

# Logic Machine > Modbus > Profile



# Logic Machine > Modbus > Profile

LogicMachine

Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Name RTU 1 THP-201-T26

Profile	Description	Manufacturer	Do...	Delete
THP-201-T26	THP-201-T26	Embedded Systems--stephen.song		
UIQ20	Universal 16+4 I/O module	Embedded Systems		

名称 描述 制造商 下载

Add profile

Add device RTU settings RTU scan RTU read test Profiles Write address

192.168.0.10/scada-main# CPU: 57% Memory: 17%, KNX/TP: ERROR Sync project data

# Logic Machine > Modbus > RTU settings

The screenshot shows the 'RTU settings' dialog box in the Logic Machine software. The dialog is divided into three sections for RTU 1, RTU 2, and RTU 3. RTU 1 is currently selected and has the following settings: 'RTU (serial) enabled' is checked, 'Port' is '/dev/RS485-1', 'Baud rate' is '19200', 'Parity' is 'None (1 stop bit)', and 'Duplex' is 'Half-duplex'. RTU 2 and RTU 3 have 'RTU (serial) enabled' unchecked. The background shows a table of RTU devices with columns for 'Name' and 'Profile'. The status bar at the bottom indicates system metrics like CPU usage (56%), memory (17%), and network activity.

端口 (RS485、RS485-x、RS232 等)

奇偶校验

RTU激活

波特率

全双工或半双工

保持端口未占用以用于自动检测

# Logic Machine > Modbus > Add device

连接类型

配置文件

轮询间隔

超时

名称

设备地址 (Slave ID)

默认超时RTU为0.5秒，TCP为3秒

Name	Profile	Connection type	Device address	Poll interval	Config	Mapping	Delete
RTU 1	THP-201-T26	RTU 1	1	5			

Version: 20170620 CPU/IO: 0.01 0.11 0.08, Memory: 17%, KNX/TP: ERROR Sync project da

# Logic Machine > Modbus > Add device

The screenshot shows the LogicMachine interface with the 'Modbus device' dialog box open. The dialog box contains the following fields and options:

- Connection type:  RTU 1  RTU 2  RTU 3  TCP/IP
- Name:
- Profile:
- IP:
- Port: 502 (spin box)
- Device address: 1 (spin box)
- Poll interval (seconds): 5 (spin box)
- Timeout (seconds):

Below the fields, there is a note: **Default timeout is 0.5 seconds for RTU and 3 seconds for TCP**. At the bottom of the dialog are 'Save' and 'Cancel' buttons.

Red arrows point from the text 'IP' and '端口号: 默认502' to the IP and Port fields respectively.

# Logic Machine > Modbus > Add device

The screenshot shows the LogicMachine software interface. At the top, there is a navigation menu with tabs for Objects, Object logs, Scripting, Schedulers, Trend logs, Scenes, Vis. structure, Visualization, Vis. graphics, Utilities, User access, Dali, Modbus, 1-wire, Alerts, Logs, Error log, and About. The 'Modbus' tab is selected. Below the menu is a table with the following columns: Name, Profile, Connection type, Device address, Poll interval, Config, Mapping, and Delete. A single device is listed in the table:

Name	Profile	Connection type	Device address	Poll interval	Config	Mapping	Delete
RTU 1 THP-201-T26	THP-201-T26	RTU 1	1	5			

Below the table, Chinese labels are placed under each column, with red arrows pointing upwards to the corresponding column headers:

- 名称 (Name) - points to the 'Name' column
- 配置文件 (Profile) - points to the 'Profile' column
- 连接类型 (Connection type) - points to the 'Connection type' column
- 设备地址 (Device address) - points to the 'Device address' column
- 轮训周期 (Poll interval) - points to the 'Poll interval' column
- 映射 (Mapping) - points to the 'Mapping' column

At the bottom of the interface, there is a toolbar with buttons for Add device, RTU settings, RTU scan, RTU read test, Profiles, and Write address. The status bar at the very bottom shows 'Version: 20170620', 'CPU/IO: 0.02 0.08 0.08, Memory: 17%, KNX/TP: ERROR', and 'Sync project da...'.

# Logic Machine > Modbus > Mapping

LogicMachine Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali Modbus 1-wire Alerts Logs Error log About

Name	Profile	Connection type	Device address	Poll interval	Config	Mapping	Delete
RTU 1							
THP-201-T26							
RTU 2							
test							

**Object mapping for test**

Name	Linked to object	Current value	Type	Delete
test - Temp_Measurement_			Input register: 0 (float32)	✖
test - Humi_Measurement_			Input register: 2 (float32)	✖
test - Modbus_Address_			Holding register: 0	✖
test - Modbus_Baud_Rate_			Holding register: 1	✖
test - Modbus_Parity_Bit_and_Stop_Bit_			Holding register: 2	✖
test - Backlight_Status_			Holding register: 16	✖

192.168.0.10/scada-main# CPU/IO: 0.02 0.05 0.06, Memory: 17%, KNX/TP: ERROR Sync project da

点击对象空  
白处

# Logic Machine > Modbus > Mapping

**Object mapping for test**

Name	Linked to object	Current value	Type	Delete
test - Temp_Measurement_			Input register: 0 (float32)	✕
test - Humi_Measurement_			Input register: 2 (float32)	✕
test - Modbus_Address_			holding register: 0	✕
test - Modbus_Baud_Rate_			holding register: 1	✕
test - Modbus_Parity_Bit_and_Stop_Bit_			holding register: 2	✕
test - Backlight_Status			holding register: 46	✕

**Mapping test - Temp\_Measurement\_**

Name: test - Temp\_Measurement\_ (名称)

Link to object: [Dropdown] (自动添加)

Write to bus:  Does not apply to virtual objects

Value send delta: [Spinner] (值发送偏移量)

Units / suffix: C (单位/后缀)

Tags: [Text Area] (标签)

Comments: [Text Area] (注释)

Buttons: Save, Cancel

# Logic Machine > Modbus > Mapping

LogicMachine Language: English [Start page](#) [Logout](#)

Objects | Object logs | Scripting | Schedulers | Trend logs | Scenes | Vis. structure | Visualization | Vis. graphics | Utilities | User access | Dali | **Modbus** | 1-wire | Alerts | Logs | Error log | About

Name	Profile	Connection type	Device address	Poll interval	Config	Mapping
RTU 1						
THP-201-T26						
RTU 2						
test						

**Object mapping for THP-201-T26**

Name	Linked to object	Current value	Type	Delete
THP-201-T26 - Temp_Measurement_	32/0/1 ✓ THP-201-T26 - Temp_Measurement_	19.100 C	Input register: 0 (float32)	✕
THP-201-T26 - Humi_Measurement_	32/0/2 ✓ THP-201-T26 - Humi_Measurement_	44.200 %	Input register: 2 (float32)	✕
THP-201-T26 - Modbus_Address_	32/0/3 ✓ THP-201-T26 - Modbus_Address_	1	Holding register: 0	✕
THP-201-T26 - Modbus_Baud_Rate_	32/0/4 ✓ THP-201-T26 - Modbus_Baud_Rate_	19200bps	Holding register: 1	✕
THP-201-T26 - Modbus_Parity_Bit_and_Stop_Bit_	32/0/5 ✓ THP-201-T26 - Modbus_Parity_Bit_an...	None 1Stop Bit	Holding register: 2	✕
THP-201-T26 - Backlight_Status_	32/0/6 ✓ THP-201-T26 - Backlight_Status_	ON	Holding register: 16	✕

[Add device](#) | [RTU settings](#) | [RTU scan](#) | [RTU read test](#) | [Profiles](#) | [Write address](#)

192.168.0.10/scada-main# CPU/IO: 0.09 0.12 0.09, Memory: 18%, KNX/TP: **ERROR** [Sync project data](#)

# Logic Machine > Modbus > Mapping

LogicMachine Language: English [Start page](#) [Logout](#)

[Objects](#) | [Object logs](#) | [Scripting](#) | [Schedulers](#) | [Trend logs](#) | [Scenes](#) | [Vis. structure](#) | [Visualization](#) | [Vis. graphics](#) | [Utilities](#) | [User access](#) | [Dali](#) | [Modbus](#) | [1-wire](#) | [Alerts](#) | [Logs](#) | [Error log](#) | [About](#)

**Object filter** <<

Name or group address:

Data type:

All datatypes ▾

Tags:

Match mode:

All tags  Any tag

[Apply filter](#) [Cancel](#)

Group ...	Object name	IP ...	Loc...	Ev...	Data type	Current va...	Log	Ex...	Tags	Updated at	Set...	Vis...	Cu...	Del...
1/1/1	test1				01. 1 bit (boolean)	1	<input type="checkbox"/>	<input type="checkbox"/>	1	27.02.201...				
1/1/2	test2				05. 1 byte unsigned integer	100	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1, 2	07.03.201...				
1/1/3	test3				01. 1 bit (boolean)	0	<input type="checkbox"/>	<input type="checkbox"/>	1, 2, 3	19.02.201...				
32/0/1	THP-201-T26 - Temp_Measurement_				14. 4 byte floating point	19.100 C	<input type="checkbox"/>	<input type="checkbox"/>	temp	07.03.201...				
32/0/2	THP-201-T26 - Humi_Measurement_				14. 4 byte floating point	44.000 %	<input type="checkbox"/>	<input type="checkbox"/>	humi	07.03.201...				
32/0/3	THP-201-T26 - Modbus_Address_				07. 2 byte unsigned integer	1	<input type="checkbox"/>	<input type="checkbox"/>		07.03.201...				
32/0/4	THP-201-T26 - Modbus_Baud_Rate_				07. 2 byte unsigned integer	19200bps	<input type="checkbox"/>	<input type="checkbox"/>		07.03.201...				
32/0/5	THP-201-T26 - Modbus_Parity_Bit_and_Stop...				07. 2 byte unsigned integer	None 1Sto...	<input type="checkbox"/>	<input type="checkbox"/>		07.03.201...				
32/0/6	THP-201-T26 - Backlight_Status_				07. 2 byte unsigned integer	ON	<input type="checkbox"/>	<input type="checkbox"/>		07.03.201...				
32/1/1	test4				01. 1 bit (boolean)	0	<input type="checkbox"/>	<input type="checkbox"/>	1, 2, 3, 4	26.02.201...				

Add new object | 
  Auto update enabled | 
  Clear | 
  Mass edit | 
  Mass delete | 
 Page 1 of 1 | 
  | 
 Loc > TP policy: None; TP > Loc policy: None | 
 Displaying objects 1 - 10 of

Version: 20170620 CPU/IO: 0.05 0.11 0.09, Memory: 18%, KNX/TP: **ERROR** [Sync project data](#)

# Logic Machine > Modbus > RTU scan

Name	Profile	Connection type	Device address	Poll interval	Config	Mapping
RTU 1						
THP-201-T26	THP-201-T26	RTU 1	1	5		
RTU 2						
test	THP-201-T26	RTU 2	1	5		

扫描范围起止

RTU scan

RTU:  RTU 1  RTU 2  RTU 3

Scan range start:

Scan range end:

Only devices that are not already present and have a valid profile will be added. Operation will finish once the whole range has been scanned or 30 seconds have elapsed

Save Cancel

只会添加不存在且具有有效配置文件的设备。一旦整个范围已扫描或已经到达30秒，该操作将完成

192.168.0.10/scada-main# CPU/IO: 0.01 0.09 0.08, Memory: 18%, KNX/TP: ERROR Sync project data

# Logic Machine > Modbus > RTU read test

The screenshot shows the Logic Machine interface with the 'RTU read test' dialog box open. The dialog contains the following fields:

- RTU:  RTU 1  RTU 2  RTU 3
- Device address:
- Function:
- Address:
- Data type:
- Read swap:
- Read length:

Red arrows point from Chinese labels to these fields:

- 设备地址 (Device address) points to the 'Device address' field.
- 寄存器地址 (Register address) points to the 'Address' field.
- 读取交换 (Read swap) points to the 'Read swap' field.
- 功能 (Function) points to the 'Function' field.
- 数据类型 (Data type) points to the 'Data type' field.
- 读取长度 (Read length) points to the 'Read length' field.

The background table shows the following RTU configurations:

Name	Profile	Connection type	Device address	Poll interval	Config	Mapping	Delete
RTU 1							
THP-201-T26	THP-201-T26	RTU 1	1	5			
RTU 2							
test	THP-201-T26	RTU 2	1	5			

At the bottom of the interface, there is a toolbar with buttons: Add device, RTU settings, RTU scan, RTU read test, Profiles, and Write address. A red arrow points to the 'RTU read test' button.

System status at the bottom: CPU/IO: 0.07 0.08 0.08, Memory: 18%, KNX/TP: ERROR, Sync project data

# Logic Machine > Modbus > RTU read test

LogicMachine Language: English [Start page](#) [Logout](#)

Objects | Object logs | Scripting | Schedulers | Trend logs | Scenes | Vis. structure | Visualization | Vis. graphics | Utilities | User access | Dali | **Modbus** | 1-wire | Alerts | Logs | Error log | About

Name	Profile	Connection type	Device address	Poll interval	Config	Mapping	Delete
<b>RTU 1</b>							
THP-201-T26	THP-201-T26	RTU 1	1	5			
<b>RTU 2</b>							
test	THP-201-T26	RTU 2	1	5			

**RTU read test** ✕

RTU:  RTU 1  RTU 2  RTU 3

Device address:

Function:

Address:

Data type:

Read swap:

Read length:

Version: 20170620 CPU/IO: 0.02 0.05 0.07, Memory: 18%, KNX/TP: **ERROR** [Sync project data](#)

# Logic Machine > Modbus > RTU read test

LogicMachine Language: English [Start page](#) [Logout](#)

Objects | Object logs | Scripting | Schedulers | Trend logs | Scenes | Vis. structure | Visualization | Vis. graphics | Utilities | User access | Dali | **Modbus** | 1-wire | Alerts | Logs | Error log | About

Name	Profile	Connection type	Device address	Poll interval	Config	Mapping	Delete
<b>RTU 1</b>							
THP-201-T26	THP-201-T26	RTU 1	1	5			
<b>RTU 2</b>							
test	THP-201-T26	RTU 2	1	5			

**RTU read test** [X]

RTU:  RTU 1  RTU 2  RTU 3

Device address:

Function:

Address:

Data type:

Read swap:

Read length:

- int16
- uint16
- float16
- int32
- uint32
- float32
- int64
- uint64

Version: 20170620 CPU/IO: 0.00 0.03 0.06, Memory: 18%, KNX/TP: **ERROR** [Sync project data](#)

# Logic Machine > Modbus > RTU read test

LogicMachine Language: English [Start page](#) [Logout](#)

Objects | Object logs | Scripting | Schedulers | Trend logs | Scenes | Vis. structure | Visualization | Vis. graphics | Utilities | User access | Dali | **Modbus** | 1-wire | Alerts | Logs | Error log | About

Name	Profile	Connection type	Device address	Poll interval	Config	Mapping	Delete
<b>RTU 1</b>							
THP-201-T26	THP-201-T26	RTU 1	1	5			
<b>RTU 2</b>							
test	THP-201-T26	RTU 2	1	5			

**RTU read test** ✕

RTU:  RTU 1  RTU 2  RTU 3

Device address:

Function:

Address:

Data type:

Read swap:

Read length:

None (ABCD)  
Byte (BADC)  
Byte and word (DCBA)

[Add device](#) | [RTU settings](#) | [RTU scan](#) | [RTU read test](#) | [Profiles](#) | [Write address](#)

Version: 20170620 CPU/IO: 0.00 0.03 0.06, Memory: 18%, KNX/TP: **ERROR** [Sync project data](#)

# Logic Machine > Modbus > Write address

LogicMachine

Language: English Start page Logout

Objects Object logs Scripting Schedulers Trend logs Scenes Vis. structure Visualization Vis. graphics Utilities User access Dali **Modbus** 1-wire Alerts Logs Error log About

Name	Profile	Connection type	Device address	Poll interval	Config	Mapping	Delete
<b>RTU 1</b>							
THP-201-T26	THP-201-T26	RTU 1	1	5			✖
<b>RTU 2</b>							
test	THP-201-T26	RTU 2	1	5			✖

**Write new device address**

RTU:  RTU 1  RTU 2  RTU 3

Device address:

ⓘ Press programming button and click save afterwards. Programming LED will turn off after successful write operation.

Save Cancel

192.168.0.10/scada-main# CPU/IO: 0.05 0.03 0.06, Memory: 18%, KNX/TP: ERROR Sync project data

此功能适用于UI020模块，不做扩展

# Logic Machine > Modbus > Profile edit



THP-201-T26.js  
on

```

THP-201-T26.json - 记事本
文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)

{
  "manufacturer": "Embedded Systems--stephen.song",
  "description": "THP-201-T26",
  "mapping": [
    {
      "name": "Temp_Measurement_",
      "bus_datatype": "float32",
      "type": "inputre",
      "name": "Humi_Measurement_",
      "bus_datatype": "float32",
      "type": "inputre",
    },
    {
      "name": "Modbus_Address_",
      "bus_datatype": "uint16",
      "type": "register",
      "name": "Modbus_Baud_Rate_",
      "bus_datatype": "uint16",
      "type": "register",
      "name": "Modbus_Parity_Bit_and_Stop_Bit_",
      "bus_datatype": "uint16",
      "type": "register",
      "name": "Backlight_Status_",
      "bus_datatype": "uint16",
      "type": "register",
    }
  ]
}
    
```



20160806TOSHI  
BA-641.json

```

ZLGL-pm25.json - 记事本
文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)

{
  "manufacturer": "Embedded Systems",
  "description": "G03-PM2.5",
  "mapping": [
    {
      "name": "PM 2.5",
      "bus_datatype": "float32",
      "type": "inputregister",
      "address": 2,
      "datatype": "float32",
      "units": "ug/m3"
    },
    {
      "name": "act temp",
      "bus_datatype": "float32",
      "type": "inputregister",
      "address": 4,
      "datatype": "float32",
      "units": "C"
    },
    {
      "name": "act humidity",
      "bus_datatype": "float32",
      "type": "inputregister",
      "address": 6,
    }
  ]
}
    
```

## LM Modbus profile description

Back

### Profile fields

`manufacturer` **String** **Required** manufacturer (制造商, 注明由哪家制造商或个人编辑的)

Manufacturer name, example: `Embedded Systems`

`description` **String** **Required** description (描述, 注明modbus设备型号等)

Device description, example: `Universal 16+4 I/O module`

`timeout` **Number** timeout (超时连接, 此功能已有, 可忽略)

Overrides default response timeout of 0.5 seconds for RTU or 3 seconds for TCP

`product_code` **String**

Product code which can be used for automatic profile mapping after scan description, obtained from the device via read device identification object id 1 request

`read_swap` **Boolean/String**

Sets global byte/word swap order during conversion (endianness). Same as `read_swap` field for mapping

`read_delay` **Number**

Adds a delay in seconds (max 1 second) between consecutive read requests from the slave, should not be used for most slaves

## Logic Machine > Modbus > Profile edit

### Mapping fields

`name` **String** **Required**

Object name, example: `Output 2`

`name` (名称, 注明控制对象的名称, 例如空调开关、设置温度、当前环境温度等)

`bus_datatype` **String/Number** **Required**

KNX object data type, key from `dt` table, example: `float32`

`bus_datatype` (KNX数据类型, 注明要映射到KNX总线上的数据类型)

`type` **String** **Required**

Modbus register type, possible values: `coil` `discreteinput` `register` `inputregister`

`type` (modbus数据类型, 例如 `coil` (线圈)、`discreteinput` (离散输入)、`register` (寄存器, 即保持寄存器)、`inputregister` (输入寄存器))

`address` **Number** **Required**

Register address (0-based)

`address` (modbus寄存器地址, 从0起始)

`writable` **Boolean**

Set to `true` to enable writing to `coil` or `register`

`writable` (设置coil或register是否可写: true, false)

`write_only` **Boolean**

Set to `true` to disable reading `coil` or `register` value when `writable` is enabled

`write_only` (设置coil或register是否只可写且不可读: true, false)

`write_multiple` **Boolean**

Set to `true` to force write by using multiple coil/register function even when writing to a single coil or register

`write_multiple` (设置coil或register是否可用multiple功能进行多组写值)

## Logic Machine > Modbus > Profile edit

`datatype` **String** `datatype` (Modbus值数据类型, 读取长度基于数据长度, 数据转换自动进行)

Modbus value data type. Read length is chosen based on data type, data conversion is done automatically.

Possible values: `uint16` `int16` `float16` `uint32` `int32` `float32` `uint64` `int64` `quad10k` `s10k`

`value_delta` **Number**

New value is sent when the difference between previously sent value and current value is larger than delta. Defaults to 0 (send after each read)

`value_base` **Number** `value_base` (将指定的数值添加到结果值当中)

Add specified number to the resulting value

`value_multiplier` **Number** `value_multiplier` (如下公式)

Multiply resulting value by the specified number  $value = value\_base + value * value\_multiplier$

`value_bitmask` **Number** `value_bitmask` (如下公式)

Bit mask to apply, shifting is done automatically using Count Trailing Zeros (CTZ) function

Example:

```
value = 0xABCD
mask = 0xF00
result = (value & mask) >> CTZ(mask) = (0xABCD & 0xF00) >> 8 = 0xB
```

`value_nan` **Array** `value_nan` (16 bit的整数列, 如果指定并且读取操作返回相同的数组, 则不进行进一步的值处理)

Array of 16-bit integers. If specified and read operation returns the same array no further processing of value is done

`value_delta` (值偏移量, 例如当前值为80, 偏移量为5, 则值在75-85之间变化时, 当前值不变)

## Logic Machine > Modbus > Profile edit

`value_conv` **String** **Internal** `value_conv` (一种内置的卷积函数)

Apply one of built-in conversion functions

`value_custom` **String/Object** `value_custom` (内置列举的名称或key—>value映射清单, key未找到返回值为0)

Name of a built-in enumeration or a list of `key -> value` mapping, resulting value will be 0 if key is not found

`value_default` **Boolean/Number** `value_default` (当coil或register值不能读取时, 作为默认值显示)

Default value that is set when coil/register cannot be read

`internal` **Boolean** `internal` (当设置为true时对用户不可见, )

Not visible to user when set to `true`, should be used for `scale` registers

`units` **String** `units` (KNX对象的单位/后缀)

KNX object units/suffix

`address_scale` **Number** `address_scale` (16 bit的整数列, 如果指定并且读取)

Address of register containing value scale `value = value * 10 ^ scale`

`read_count` **Number** `read_count` (立即读取寄存器的数量, 对于某些设备只支持读取指定区域的寄存器)

Number of registers to be read at once (for devices that only support reading of a specific block of registers)

## Logic Machine > Modbus > Profile edit

`read_swap` **Boolean/String** `read_swap` (读取交换, 交换byte/word顺序, 默认值为word交换)

Swap byte/word order during conversion (endianness). Default value is word (2-byte) swap.

Possible string values: `n` (no swap), `w` (word swap), `b` (byte swap), `bw` (byte and word swap)

Example:

```
no swap: 0xABCD
word swap: 0xCDAB
byte swap: 0xBADC
byte and word swap: 0xDCBA
```

`read_offset` **Number** `read_offset` (将指定的数值添加到结果值当中)

Position of first register of data from the block of registers (0-based)

`bus_address` **String (Group address)** `bus_address` (映射的KNX群组地址)

Group address of mapped object. Recommended to use only during development

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