

WATCH BOOT

RPC-M5C-EA

Detailed Version
User's Manual

Meikyo Electric Co., LTD

明京電機株式会社

Thank you for your purchase

Congratulations on your purchase!

We thank you for choosing Watchboot Rebooter RPC-M5C-EA.

The Rebooter RPC-M5C-EA is a remote power control device that is capable of controlling devices on a network. This product features 4 AC outlets that are individually managed and remotely manageable through network. Configuring the device to an NTP server allows you to use this device as a power scheduler.

Our wish is that the Rebooter RPC-M5C-EA will be an indispensable tool in your integrated networked system.

Make sure to check for newest version of this manual at <https://usa.watchboot.com>.

Please be sure to thoroughly read this user's manual before operation.

This manual covers the setup procedure, operation, installation, and user safety guidelines.

Be sure to read this manual thoroughly before use. After reading, store this manual in a safe place.

Included Items



Included with the product are the following items. Make sure all of the following are included.

1. User's Manual (Warranty Certificate)
2. Power Cord

Important Safety Information



The following symbols in this manual indicate important messages for the safe use of this product. The meaning of each symbol is as follows.

Typical alert symbols and signal words

 Warning	Indicates items that may result in death or serious injury of a person if the product is improperly handled.
 Caution	Indicates items that may result in injury of a person or property damage if the product is improperly handled.

* Property damage shall mean indirect, incidental, or consequential damage to the building, equipment, domestic animals, etc.

Typical graphic symbols

 Disassembly and modification are prohibited	<p>⊘ indicates that the act is strictly prohibited. A prohibited action is typically indicated by a statement or an illustration within or near the ⊘ symbol.</p> <p>The example to the left indicates that disassembly and modification of the product are prohibited.</p>
 Unplug power cable	<p>● indicates that the action must be taken. Specific action required is indicated by a statement or an illustration within or near ●.</p> <p>The example to the left indicates that the power cable must be unplugged.</p>



Warning

- In case of any abnormal condition: unplug the power cable!

Always discontinue use when you detect abnormal conditions like smoke, abnormal noise, odor, etc. Fire or electrical shock may result. Immediately unplug the power cable from the unit and contact the retailer from which you purchased the product or Meikyo Electric Co., Ltd.



Unplug power cable

- Never use with line voltage other than 100-120V AC (50/60 Hz).

Never use the product with line voltage other than indicated (100-120 V AC). Never use on voltage exceeding 125 V, because it may cause damage to the product and fire may result.



120 V AC

- Connect the ground or FG terminal.

Make sure the ground pin of the plug or FG terminal of the product is properly grounded. Otherwise, electrical shock or malfunctioning may result.



Grounding

- Total 12 A maximum load.

Maximum capacity available from the AC outlets on the backpanel is 12 A combined. Never use the product with the current exceeding 12 A. Fire or malfunctioning may result.



Max. 12 A

- Never connect multiple devices to a single outlet.

The product must be directly connected to the power outlet on the wall. Do not use the unit with power strips or extension cords. Fire or malfunctioning may result.



Connection of multiple devices prohibited

- Handle the power cable with care.

Do not place heavy objects on the power cable with a heavy article or place it near the device at high temperature. This may cause damage to the cable resulting in fire, electrical shock, or malfunction. Avoid tampering with the cable or excessively bending or pulling the cable. Excessive bending or pulling may result in fire or electrical shock. When the power cable is damaged, contact the retailer from which you purchased the product or Meikyo Electric Co., Ltd.



Avoid rough handling of the power cable

- Never use the unit for devices where extremely high reliability and safety are required.

This product is designed for use with personal computers and their peripheral equipments. Never use the product with devices in which extreme reliability and safety are required, such as medical devices.



For use with PC only



Warning

- Never touch the product or power plug with wet hands.

Do not handle the unit with wet hands. Do not insert or unplug the Power Cord with wet hands. Electrical shock may result.



Never touch with a wet hand

- Never place water or other liquid above or near the unit.

If liquids such as water enters inside of the unit, fire, electrical shock or malfunction may result.



Never place liquid near the unit

- Never allow a foreign object inside the unit.

If a metallic or combustible object enters inside the unit, fire or electrical shock may result. If a foreign object should enter into the unit, turn off power immediately, unplug the power cable, and contact the retailer you purchased the product from or Meikyo Electric Co., Ltd.



Never allow a foreign object inside the product

- Never place or use a combustible article such as a hair spray above or near the unit.

The unit may catch fire from a spark from a switch contact.



Combustible article is prohibited.

- Never touch the unit and the power plug during thunderstorms.

Electrical shock may result. Although each unit comes equipped with a lightning protection circuit, note that its effect is limited unless the FG terminal is properly grounded.



Never touch during thunderstorms

- Never disassemble or modify the unit.

Because of high internal voltage, never touch the internal parts of the unit or modify the unit with the cover open. Fire, electrical shock, or malfunction may occur.



Disassembly and modification are prohibited

- When the unit is damaged due to drops etc.

Fire, electrical shock, or malfunction may result with continued use. Unplug the power cables from the outlet and the AC outlets on the front panel of the product. Contact the retailer you purchased the product from or Meikyo Electric Co., Ltd.



Unplug all power cables

- Do not use remote power control features with devices that may cause fire, electrocution, or injury.



Caution

- Do not pull the power cable to unplug.

To unplug the power cable, always hold and pull the plug. Pulling the cable may damage it, and fire or electrical shock may result.



Never pull the power cable

- Never place the unit in a poorly ventilated space.

Never place the unit in an enclosed space. Heat will accumulate and skin burns, fire, or malfunction may result.



Never place in poorly ventilated space

- Never place the unit in a space with high temperature.

Never place the unit in a place with direct sunlight or near high temperature devices. Skin burns, fire, or malfunction may result.



Never place in an area of high temperature

- Cleaning

If the product becomes dirty, wipe the surface with a soft cloth moistened with water or neutral detergent squeezed well (never wipe electrical contacts like power plug and the connectors by this method). Never use chemicals (benzene, thinner, etc.). Degradation or discoloration of the surface may result. Cleaning of the electrical contacts must be made using a dry soft cloth after unplugging power cables to avoid damage to the unit. The power cable and all other cables connected to the outlets or connectors of this unit must be unplugged before cleaning. Electrical shock or malfunction may result.



Unplug power cables

- Never place the unit in a humid or dusty place.

Never place the unit in a humid or dusty place or in a place with oil, mist, or steam, such as on a cooking table or near a humidifier. Fire or electrical shock may result.



Avoid humidity and dust

- Never place the unit upside down.

Never place the unit upside down. Never use the unit enclosed in cloth or other poorly ventilated containers. Especially avoid use when a PVC or rubber product is in contact with the unit. Fire or electrical shock may result.



Avoid using unit upside down

- Make sure to unplug the Power Cord before replacing the fuse.

Make sure to unplug the Power Cord before replacing the fuse.

Make sure to use only UL certified fuse "AC 125 V, 15 A" for replacement in order to reduce the risks of fire.



use only UL certified fuse

-
- Periodically check the power plug and the AC power outlets.

Dust and dirt will accumulate at the power plug and AC outlets when left unattended for a long time, and when used in such conditions, fire or electrical shock may result. Periodically clean and check the electrical contacts.



Periodic check

-
- Use of the product is limited to the United States of America.

The product may fail when used outside of the United States of America due to differences in voltage, etc.



For use only in the USA

-
- Never place the unit in an insecure location.

Never place the unit in an insecure location, such as on a shaky stand, areas smaller than the size of this unit, slanted surfaces, or a surface subject to vibration or shock. Keep this product out of the reach of children. Personal injury or malfunctioning of the product may result due to dropping or tilting of the product.



Avoid placing in/on an unsecured location.

-
- Never place the unit close to a radio or TV set.

The unit may interrupt wireless signals when placed near a radio or TV set.



Avoid a place close to radio or TV set

-
- Data saving

Before transmitting data, take appropriate steps to backup data when possible. Data may be lost due to faults in the circuit or in the unit.



Make a backup

-
- Never place a flower vase, glass, small metal objects, etc. on the unit.

Ingress of water and objects into the unit may cause fire or electrical shock. If water, etc. should enter inside of the unit, unplug the power plug immediately.



Never place objects on the unit

-
- Never use this unit as a foothold.

Never step on the unit with your foot. You may fall and suffer personal injury, or unit malfunction may result.



Never use as a foothold

-
- About Power Cable Set

Please use the attached Power Cable. Avoid inserting the plug in a downward direction as doing so may result in the plug falling out more easily.



Use attached Power Cable Set



FCC Caution

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Declaration of Conformity

Per: 47 Code of Federal Regulations Part 15 - Radio Frequency Devices

We, Meikyo Electric Co., Ltd. declare that our products below satisfy the requirements of CFR title 47, FCC part 15, subpart B under our responsibility.

Declaration of product:

Product name: WATCH BOOT

Model number: RPC-M5C-EA

Conforms to the following electromagnetic compliance specifications:-

FCC 47 CFR Part 15 Radio Frequency Device Subpart B Unintentional Radiators

when the methods, as described in ANSI C63.4-2014 are applied.

Company Name	: Meikyo Electric Co., Ltd - Devicenet USA Inc. Office
Address	: 4000 Moorpark Ave # 116 San Jose, CA 95117
Telephone Number	: 1 (408) 394-5393
Contact Person	: Takashi Kusanagi CEO

Table of Contents

Table of Contents	9
Ch. 1 Introduction.....	11
1. Summary of Features	12
2. Individual Parts and Features.....	13
3. Dip Switch Settings	14
4. LED Indicators	15
Ch. 2 Installation	17
1. Installation Basics.....	18
Ch. 3 Initial Configuration.....	19
1. Initial Configuration.....	20
2. Factory Settings.....	22
Ch. 4 Configure / Control with a Web Browser	23
1. Login.....	24
2. Configuration.....	26
A) System Settings	26
B) Network Settings	40
C) Monitoring Settings.....	48
D) Scheduling Settings.....	55
E) Information.....	57
F) Help.....	58
3. Status	59
A) Basic Information.....	59
B) Monitoring Status	60
C) Event Log.....	63
4. Power Control.....	65
A) Power Control / Supply	65
B) Power Control / Virtual.....	66
C) Multi Power Control.....	67
5. CPU Reset.....	68
Ch. 5 Other Settings.....	69
1. Configure Using Telnet.....	70

Ch. 6 Other Control Features	72
1. Control via Telnet.....	73
2. Control via Email.....	74
3. Control via WEB Commands.....	75
Ch. 7 Shutdown Script.....	76
1. About Shutdown Scripts	77
Ch. 8 Product Specification	80
Parameter List	81
Log List.....	88
Control Command List.....	89
Specifications	91
Appendix A Example of use: Media player and Display	92
1. Preparation	93
2. Setting of heartbeat transmission software	93
3. Setting of Shutdown Server.....	94
4. Setting RPC-M5C-EA.....	95
A) Setting shutdown script.....	95
B) Setting Wake on Lan.....	97
C) Setting Heartbeat monitoring	97
D) Outlet delay time setting	99
5. Preparation work is now ready for use!	99

Chapter 1

Introduction

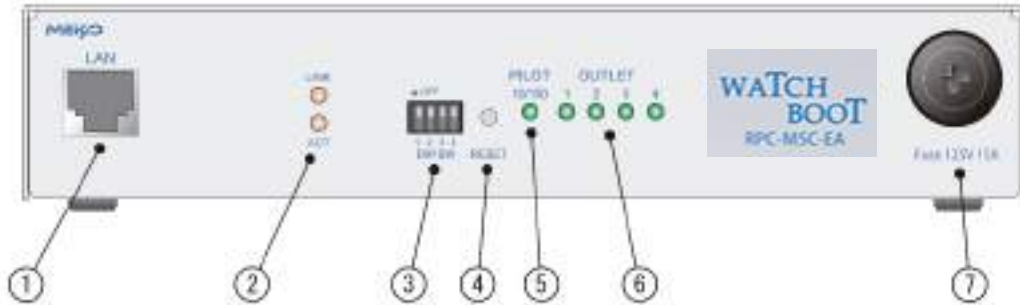
1. Summary of Features

This product comes equipped with the following features.

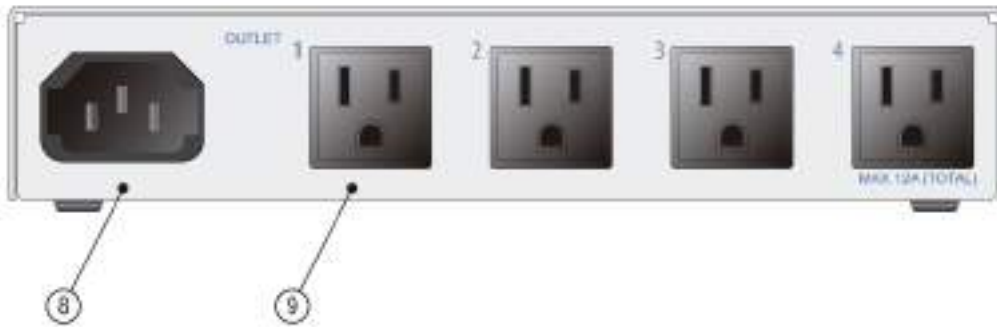
- 1) Four (4) AC outlets that are independently configurable / managed
- 2) Local and Remote Power Control
 - Power control and configuration: Web (html)
 - Power control and configuration: Telnet
- 3) Scheduling Feature for Power Control
 - Power scheduling on a weekly basis
- 4) Monitoring Features for Networked Devices
 - Power status monitoring
 - Alive monitoring with ICMP Pings (Auto-Ping)
 - Heartbeat monitoring
- 5) Delayed Power-On to Individual Outlets
 - Turn on devices in customized order/timed delays upon product startup
- 6) Power Control and Notification with Email
- 7) Power/Monitoring Status Notification
- 8) SNMP Agent
- 9) Remote/Networked Firmware Updates
- 10) Device Startup with Magic Packets/Scripted Shutdown
- 11) Safe OS Shutdown with Scripts

2. Individual Parts and Features

Front Panel



Rear Panel



(1) LAN	Connection port for ethernet cable (8 pin RJ45)
(2) LED (LINK, ACT)	Displays communication status.
(3) Dip Switch	Used to configure modes.
(4) Reset Switch	Restart the CPU without affecting power output.
(5) Pilot LED	Illuminates when power of the unit is switched on
(6) Outlet LED	Indicates power output status of the AC power outlets.
(7) Fuse	Use glass tube fuse15A.
(8) AC Inlet	Connect themain inbound power cable.
(9) AC Outlet	Connectone device to each outbound power outlet.

Caution

If the product is turned on but all LEDs remain off, the fuse may have blown. To replace the fuse, detach all Power Cords from the outlets, and remove the fuse cover with a Philips driver. Replace the blown fuse with a new 15A fuse.

3. Dip Switch Settings

Dip Switch Functions (Up = off. Down = on.)

NO.	POS.	MODE
1	OFF	Normal Operation
	ON	Factory Reset
2	OFF	Normal Operation
	ON	Unused
3	OFF	Normal Operation
	ON	Maintenance Mode/Factory Reset
4	OFF	Locked at off
	ON	Unused

Dip Switch Settings

		1	2	3	4
Normal Operations	OFF	■	■	■	■
	ON				
Initialization / Maintenance	OFF	■	■		■
	ON			■	
Factory Reset	OFF		■		■
	ON	■		■	

Caution

Before operating Dip Switches, make sure that you have removed all Power Cords from the product.

After modification of dip switch settings, be sure to press the reset button on the front panel. Failing to do so may result in product malfunction.

Refer to chapter 3-2. for initialization and factory reset procedures.

4. LED Indicators

The product comes equipped with 3 kinds of LED indicators.

1) "LINK" and "ACT" LEDs indicates the status of the CPU and network connectivity.

LED	USE	CONDITION	INDICATION (Light)
LINK	CPU Status	Disconnected Cable	0.25s on, 0.25s off
		Normal Operation	2s on, 0.5s off
		Abnormality or Recovery	0.5s on, 0.5s off
		Normal LAN Connection	1s on, 1s off
ACT	Network Status	On packet receive	On
		When packet not received	Off

2) Pilot LED

When the product is on, the LED indicator will illuminate orange.

The LED will illuminate green when the product is on and 100BASE-TX is connected.

When the combined number of reboots/logs exceed the customized maximum number "Warning Count" at Monitoring Setting / Ping / Ping Setting, the LED will illuminate red. (default 12 times)

To indicate a mail server access error, the LED will repeat the following pattern: 2 seconds on, 0.25 seconds off, 2 seconds on.

3) Outlet LED

i) Indicates the status of the AC outlet.

When on : LED is on.

When off : LED stays off.

ii) When the outlet is undergoing a delayed OFF function, the LED will blink at 1 second intervals.

iii) Alive Monitoring (Auto-Ping)

1. When the outlet is set to "Reboot" or "Log Only" on abnormally

a) Alive Monitoring detects an abnormality (and the outlet is on), the LED will follow this pattern: 2 seconds on, 0.25 seconds off, 2 seconds on.

b) Upon initializing of Alive Monitoring, the LED will continue the following pattern until the product receives a response from all target network devices: 1 second on, 0.25 seconds off The LED will stay illuminated afterwards. (Power is on)

2. When the monitoring action is triggered "On"

a) Alive monitoring detects abnormality (power is on). LED will illuminate the following

sequence: 2 seconds on, 0.25 seconds off, 2 seconds on

- b) Upon initializing of Alive Monitoring, the LED will continue the following pattern until the product receives a response from all target network devices: 1 second on, 0.25 seconds off The LED will remain off afterwards. (Power is off)

3. When monitoring action is set to "Off"

- a) Upon initializing of Alive Monitoring, the LED will continue the following pattern until the product receives a response from all target network devices: 1 second on, 0.25 seconds off The LED will stay illuminated afterwards. (Power is on)

"On" and "OFF" settings are not configurable from browsers or the management utility software. You must directly modify parameter [debOIWdogAction].

Chapter 2

Installation

1. Installation Basics

Follow the procedure to install the product.

- 1) Position the product at the desired location. Choose a location within reach of a single-phase Power Cord of equal or greater than AC 100V-120V/12A .
- 2) Connect a LAN cable to the product's front panel LAN port.
- 3) Attached the included Power Cord to the product's AC inlet. Plug the Power Cord into an outlet.

Caution

Never install the product upside down. Doing so may result in fire or malfunction.

Only use the Power Cord that came included with the product.

Chapter 3

Initial Configuration

1. Initial Configuration

To set up remote access to the product, assign a static IP Address.

Connect the product to a PC using a LAN cable.

(Use a patch “crossover” cable when directly accessing the product from a PC)

- 1) Make sure that there is not a host on LAN or VPN that is assigned the following IP Addresses:

192.168.10.1, 192.168.10.2

- 2) Configure the PC to the following IP Address and subnet mask:

Do not forget to note the IP Address setting prior to configuration.

IP Address: 192.168.10.2

Subnet mask: 255.255.255.0

- 3) Use a narrow object like a pen to move Dip Switch 3 to the “On” position.

(This puts the product in maintenance mode, and automatically assigns itself the following IP Address: 192.168.10.1)

- 4) Use a narrow object like a pen to press the reset button on the product’s front side panel.

- 5) Open a web browser on the PC.

Navigate to <http://192.168.10.1> to access the product’s initial configuration page.

Caution	The browser must be compatible with JavaScript and frames.
---------	--

- 6) The Management Menu will be displayed.

- 7) Modify the IP Address setting. Use an IP Address that is compatible and not in conflict with your network.

- 8) Complete the configuration by clicking on the “Apply” button at the bottom of the screen.

9) Use a narrow object like a pen to move Dip Switch 3 to the “On” position.

(This puts the product in normal operation mode.)

10) Use a narrow object like a pen to press the reset button on the product’s front side panel.

11) Close the web browser.

12) Configure and restore the PC to its original IP Address settings.

Caution

Do not forget to click on the “Apply” button and press the “Reset” button after modifying settings. Changes to the settings will not be applied until the “Reset” button is pressed.

Caution

When operating the Dip Switch, gently push the switch with a narrow object with a round end. Using a sharp object to operate the switch may cause the sharp point to enter the product and cause malfunctions. Apply pressure to the entirety of the switch. Operating the switch with the tip over time may result in breakage of the switch.

2. Factory Settings

This will restore the product to its factory settings.

(Do not insert the Power Cord into an outlet yet)

- 1) Move Dip Switches 1 and 3 to the “On” position (down)
- 2) Insert the Power Cord into the outlet. This is turn the product on.
- 3) The LINK LED will illuminate for 5 seconds. While the LED is turned on, press and hold the Reset button for approximately 1 second.
- 4) The ACT and LINK LEDs will illuminate upon successful factory reset.
- 5) If the LINK LED stops illuminating before the Reset button is pressed, remove the Power Cord from the outlet, and start over from step 1.
- 6) After factory reset, revert all Dip Switches to the “Off” position (up) before inserting the Power Cord into an outlet.
- 7) The product has now been reverted to its factory settings. Initialize the product by following the steps outlined in the previous section, “Initial Configuration.”

Caution	Do not turn off the power while the product is reverting to factory settings.
---------	---

Chapter 4

Configure / Control
with a Web Browser

1. Login

To access the product via internet, you must have correctly configured all applicable network devices. Follow instructions in the products' manuals. (Do not use proxy)

Caution The Web Browser must be compatible with JavaScript and Frames. Do not use special characters such as "?", "=", "%", "&", ",", and double quotation marks.
This product is compatible with Internet Explorer ver. 11 or later.

- 1) Launch the Web Browser. Navigate to the IP Address assigned to the product.

(e.g., 192.168.10.1)

If the http port is assigned the default port number "80", navigate to

http://192.168.10.1

If the http port is assigned port number "500", navigate to

http://192.168.10.1:500

Login Screen



- 2) Enter the user ID and password. Click on the "login" button to continue.

User ID (default): admin

Password (default): magic

- 3) The Basic Information Page is displayed.

Basic Information Page



Caution The Basic Information page is designed to only display the product’s basic system status information. You cannot configure / control the product from this page.

2. Configuration

A) System Settings

a) Basic

- 1) Click on the "System" button on the left panel of the page. The "System Settings / Basic" page will be displayed.

System Settings / Basic

Basic Advanced Security

Time Settings

Special characters are not supported

Device Settings

Device Name:

Location:

Outlet Settings:

No.	Outlet Name	OFF	REBOOT	ON	START
1	Router	-1	10	1	1
2	Outlet2	0	10	2	2
3	Ip Phone	0	10	3	3
4	Outlet4	0	10	4	4

All Outlets Reboot (sec):

Set "OFF" to "-1" to disable the Off Operation
Set "ON" to "-1" to disable the On Operation upon All Outlets On
Set "START" to "-1" to disable the On Operation upon cold start.

Outlet Link Settings:

No.	Outlet Link
1	<input type="text" value="-"/>
2	<input type="text" value="-"/>
3	<input type="text" value="-"/>
4	<input type="text" value="-"/>

Front Panel Settings

LED Status: Enabled Disabled

Apply Reset

(i) Device Settings

Configure the Settings on your unit (product)

Device Name: Assign this unit a name. (Note: maximum 19 characters)

Location: Assign a location name for this unit. (Note: maximum 63 characters)

(ii) Outlet Settings

Outlet Name: Assign names to individual Outlets. (Note: maximum 20 characters.)

“OFF”(OFF Delay)

Configure OFF delay settings for individual outlets. When using a shutdown script, make sure to modify this setting to give the target device ample time to safely shut down. Configuring this setting to “-1” will disable the OFF function for this outlet. This means the outlet is only controllable with the REBOOT function. This setting is useful to avoid turning the device off upon router/hub freezes and hang-ups. (This allows you to avoid disabling the network connectivity with the power off function). This setting is also applicable for the following situations.

- OFF functions for individual outlets
- Simultaneous OFF function for all outlets

Default	:	0
Acceptable Values	:	-1 to 3600 (seconds)
“-1”	:	Disable OFF function for this outlet. This outlet is only controllable with the REBOOT function.
“0”	:	Immediately turn off the outlet
“1” to “3600”	:	OFF function is delayed after the configured time in seconds.

“REBOOT” (Turning On the Outlet)

Modify the time it takes for the outlet to turn on after turning an outlet off. This allows sufficient time for a device to reboot. The following are the parameters for this setting.

Default:	10
Acceptable Values:	8 to 3600 (seconds)

“ON” (On Delay)

This value is used when “All Outlets” are given “ON” command or “REBOOT” command. Modify the order and interval in which each outlet would be turned on. You may customize the order and timing in which each outlet would turn on. This setting is useful and applicable for the following functions:

- When all outlets are given the ON command
- When all outlets are given the REBOOT command

Default : No. 1: 1 No. 2: 2 No. 3: 3 No. 4: 4
 Acceptable Values : -1 to 3600 (seconds)
 “-1” : Disable automatic ON function for this outlet.
 “0” : Immediately turn on the outlet.
 “1 to 3600” : ON function is delayed after the configured time in seconds.

“START”

This value is used when the power of this device is turned on. Modify the order and interval in which each outlet would be turned on. You may customize the order and timing in which each outlet would turn on.

Default : No. 1: 1 No. 2: 2 No. 3: 3 No. 4: 4
 Acceptable Values : -1 to 3600 (seconds)
 “-1” : Disable automatic ON function for this outlet.
 “0” : Immediately turn on the outlet.
 “1 to 3600” : ON function is delayed after the configured time in seconds.

“All Outlets Reboot (sec)”

Modify the time delay setting for when all outlets are given the REBOOT command.

Note: This is not relected when individual outlets are given the REBOOT command.

- When all outlets are given the REBOOT command

Default: 10
 Acceptable Values: 8 to 3600 (seconds)

(iii) Outlet Link Settings

Link outlets together.

Example: If No. 1 (Outlet 1) is linked with Outlet 2, when Outlet 2 is turned on, Outlet 1 is also turned on.

(iv) Front Panel Settings

Enabled: Each LED flashes in relation to OFF Delay or PING monitoring.

Disabled: PILOT and OUTLET LED blinking feature is disabled. They will either be on or off.

Default: Enabled

a)-1 Time Setting

Click on the "Time Settings" button. "System Settings / Basic / TimeSet" page is displayed.

System Settings / Basic / TimeSet

Time Comparison	
PC Time	09/11/2017 01:34:54 PM
System Time	09/11/2017 01:34:52 PM

Time Settings	
Set the Time Based on PC Clock	
09/11/2017	10:26:44 PM <input type="button" value="Apply"/>

NTP Settings	
NTP Server	time.google.com
NTP Interval	6 (1-10 min)
Time Zone	UTC-8 PT (Pacific)
Daylight Saving Time	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled
<input type="button" value="Apply"/>	

To set the product's time settings using PC time settings click the "Apply" button in the "Time Settings" section to synchronize product's time settings to your PC.

To synchronize the product to an NTP server, follow the instructions below:

- a. Type or paste an NTP address into the "NTP Server" section.
- b. Type the number of minute interval in the "NTP Interval" section (default is 6).
- c. Choose the correct time zone in the "Time Zone" section. Select the radio button to indicate whether or not Daylight Savings Time is in effect.

b) Advanced

Click on the “Advanced” button in the System Settings page.

The screenshot displays the 'Advanced' settings page with several sections:

- Registry List:** Includes tabs for 'Registry List' and 'Text List'.
- Equipment Control:** Features 'Firmware Page' and 'Firmware Upgrade' tabs, with 'Upgrade Mode' set to 'Enabled'.
- Wake On Lan:** Shows 'WOL Packet(s) Max Count' as 2 and 'WOL Packet Interval(sec.)' as 15.
- Link with Outlet Wake On Lan:** A table with 4 rows for outlets: Digital Signage, Media Player, Outlet3, and Outlet4, each with a MAC address field.
- Virtual Outlet Settings (Wake On Lan):** A table with 8 rows for virtual outlets, each with a name, MAC address, and delay field.

No.	Outlet Name	MAC Address
1	Digital Signage	
2	Media Player	
3	Outlet3	
4	Outlet4	

MAC Address Format - 00:00:00:00:00:00

No.	Virtual Outlet Name	MAC Address	Delay
1			10
2			10
3			10
4			10
5			0
6			0
7			0
8			0

MAC Address Format - 00:00:00:00:00:00 Delay (sec)

(i) Registry List

Click on the “Text List” to open a new tab/window which displays the entire configuration registry for the product.

With this feature, you can review settings and configurations. You can see all the detailed settings for the product – even settings that are displayed on the Web Interface.

(ii) Equipment Control

Firmware Page

Click on “Firmware Upgrade” to conduct a Firmware Upgrade.



On this page, you will be given information such as the unit’s Firmware Version and Model type

Version Upgrade Method

(1) Connect to the Online Upgrade Server

Click on “Start” to initiate a firmware version upgrade through the internet. The product will attempt to download and install the latest firmware from the server.

Caution: Do not turn off the product when it is undergoing a firmware version upgrade.

(2) Local File

Version upgrade files may be provided through our website or emails. The following shows how to upgrade using these files.

1) Click the "Load" button in "Version Upgrade Method" section. The "Firmware File Selection" page will be displayed.



2) On this screen, click "Choose File" button, navigate to and select the vup file.

3) Then click "Send" button and wait around 3 minutes. Note that the page will remain unchanged during the upgrade process!

4) When the version upgrade is completed successfully, you will see the page as seen on the right. The message "(00)Successful completion" also means the upgrade process was completed successfully.

In case error code such as "05" or "31" displayed on screen, please contact Meikyo Electric Co., Ltd...



5) You may now click the "Top Page" button to navigate to the default page.

6) The Version Upgrade process is now completed, and you must now perform a CPU Reset. To perform this task, click the "CPU Reset" button in the left panel of the screen, and wait for about 10 seconds.

(iii) Wake On Lan

Send a Magic Packet to start up a Wake-on-LAN compatible device.

WOL Packet(s) Max Count Default : 2 (times)

WOL Packet Interval(sec.) Default : 15

Note: These items apply to both "Link with Outlet Wake On Lan" and "Virtual Outlet [Wake On Lan].

(iv) Link with Outlet Wake On Lan

Outlet 1-4 Default : 00:00:00:00:00:00
MAC Address

(v) Virtual Outlet Settings [Wake On Lan]

Virtual Outlet Name : Assign a name to each virtual outlet.
Maximum 20 characters. (Alphanumeric)

MAC Address Default : 00:00:00:00:00:00

ON Delay (Sec.) Default : 0

Virtual Outlets

Virtual Outlets are not physical outlets. The purpose of Virtual Outlets is to utilize Wake on Lan features on devices by sending Magic Packets to initial remote start ups.

Note: A Magic Packet is sent when the outlet is turned ON.

Once changes are made to the settings, click on the “Apply” button.

Caution	Leaving the the setting page without clicking on the “Apply” button will discard any and all changes made.
---------	--

b)-1 Shutdown

Set up and configure Shut Down Scripts.

Script Settings Page

Script Executor	Script Number	IP Address	Port	Login ID	Password	Shutdown Ping Addr	Shutdown Ping Interval	Shutdown Ping Count	Shutdown Ping Miss	Message

- Click on the “Advanced” button in the System Settings. Click on the “Shutdown” button. This will open the shutdown settings page.
- Select the outlet for which you want to confirm/modify shutdown settings.

(i) Script Registration

Click on the “Script Edit” button to open the script editor.

- a. You may edit the script within the editor. You may also paste scripts from other programs and text editors.
- b. Alternatively, you may upload script files from a local folder. Click on “Load” once you have selected the file to display the script in the editor.
- c. Note the Error Code if there are any. (for reference)

(i)-1 Script Editor



(i)-1-1 Script File Specification

Load script files from a local folder. Click the "Load" button after selecting the file to display the script in the editor.

(i)-1-2 The power OFF by the exit code of when the script error.

Error Code

When the end code exceeds this value, the unit will not turn power off to this device.

If the value is "0", the outlet will turn OFF only when the error code is "0".

If the value is "255", the outlet will turn OFF under any value.

For detailed explanation on using shutdown scripts, refer to "Chapter 7 – Shutdown Script"

(ii) Script Settings

Select the appropriate radio button to enable or disable scripts for this outlet.

Caution Leaving the the script editor page without clicking on the "Apply" button will discard any and all changes made.

Script Execution : Enabled / Disabled
Script Number : 1 (Default - Preset Windows Shutdown Script)
IP Address : Enter IP Address of the device which is to be shut down.
Port Number : 0 (Default)
Login ID : Maximum 16 characters. (alphanumeric)
Password : Maximum 16 characters. (alphanumeric)
Shutdown Ping Addr :
Shutdown Ping Interval : 0 (Default)
Shutdown Ping Count : 0 (Default)
Shutdown Ping Max : 0 (Default)
Message :

c) Security

User Account Settings Page

The screenshot shows a web interface for user account settings. It contains three tables, each with columns for 'No.', 'User', and 'Password'. The first table is titled 'Ident (Maximum 10)', the second 'Control (Maximum 5)', and the third 'Admin (Maximum 5)'. Each table has 10 rows. Below the tables are 'Apply' and 'Reset' buttons.

User Type and Privileges

The table below shows what each user type is able to do.

User Type	Monitor Status	Control Power	Change Settings
Ident (Max 10)	Yes	No	No
Control (Max 10)	Yes	Yes	No
Admin (Max 5)	Yes	Yes	Yes

Note: User name must be 8 characters or fewer. (No duplicate names. Do not use "@")
 Password must be 16 characters or fewer. (Duplicates possible)

- 1) After making changes to the settings, click on the "Apply" button.

Caution TELNET password must be changed independently.

c)-1 Filter

- 1) Click on "Filter" button from the Security Settings page. This will open the Filter Settings page.

Filter Settings Page

IP Filter	<input type="radio"/> Enabled <input checked="" type="radio"/> Disabled
Address1	192.168.10.0
Address2	
Address3	
Address4	
Address5	
Address6	
Address7	
Address8	
Address9	
Address10	

Ident / Control User Permission Settings	<input type="radio"/> hide <input checked="" type="radio"/> show
Monitoring Status	<input type="radio"/> hide <input checked="" type="radio"/> show
Virtual Outlet Control	<input type="radio"/> hide <input checked="" type="radio"/> show
Power ON Button	<input type="radio"/> hide <input checked="" type="radio"/> show
Power OFF Button	<input type="radio"/> hide <input checked="" type="radio"/> show
Power Reboot Button	<input type="radio"/> hide <input checked="" type="radio"/> show
Outlet1 Relevance	<input type="radio"/> hide <input checked="" type="radio"/> show
Outlet2 Relevance	<input type="radio"/> hide <input checked="" type="radio"/> show
Outlet3 Relevance	<input type="radio"/> hide <input checked="" type="radio"/> show
Outlet4 Relevance	<input type="radio"/> hide <input checked="" type="radio"/> show
All Outlets Control Button	<input type="radio"/> hide <input checked="" type="radio"/> show

Apply Reset

(1) IP Filter Settings

IP Filter	:	Enabled / Disabled
Address	:	0.0.0.0 (Default)
		(Max 10 addresses)

(2) Ident / Control User Permission Settings

Monitoring Status	:	Hide / Show
Virtual Outlet Control	:	Hide / Show
Power ON Button	:	Hide / Show
Power OFF Button	:	Hide / Show
Power Reboot Button	:	Hide / Show
Outlet 1-4 Relevance	:	Hide / Show
All Outlets Control Button	:	Hide / Show

When "Hide" is selected, the corresponding elements are hidden from the WEB UI page when logged in as Ident / Control accounts.


Caution Leaving the the filter settings page without clicking on the "Apply" button will discard any and all changes made.

B) Network Settings

Confirm and modify network settings for the product.

a) Basic

Basic Network Settings Page.

Network Settings	
IP Address	192.168.1.222 
Subnet Mask	255.255.255.0
Default Gateway	192.168.1.1
DNS Server Address	192.168.1.1
DHCP	<input type="radio"/> Enabled <input checked="" type="radio"/> Disabled
HTTP	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled
HTTP Port	80
HTTP Authentication	Basic ▼
Realm Name	RPC-M5C-EA
Nonce Time (sec)	180
TELNET	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled
TELNET Port	23
Remote TELNET IP	
Remote TELNET Port	23
Link Speed	Automatic Detection ▼
Auto Logout	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled

Network configuration will take effect after CPU reset.

Related Settings	
Login Timeout (sec)	600
Automatically Refresh Page	<input type="radio"/> Enabled <input checked="" type="radio"/> Disabled
Refresh Interval (sec)	30

Direct WEB Command Settings	
Direct WEB Command [?]	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled

(i) Network Settings

IP Address	Default	:	192.168.10.1
Subnet Mask	Default	:	255.255.255.0
Default Gateway			
DNS Server Address			
DHCP		:	Enabled / Disabled
NTP Server	Default	:	
HTTP		:	Enabled / Disabled
HTTP Port	Default	:	80
HTTP Authentication		:	None / Basic / Digest Default: DigSET est
Realm Name	Default	:	RPC-M5C-EA (Maximum 20 characters.)
Nonce Time (sec)	Default	:	180 (30 to 30000)
TELNET		:	Enabled / Disabled
TELNET Port	Default	:	23
Remote Telnet IP			
Remote Telnet Port	Default	:	23
Link Speed	Default	:	Automatic Detection 100Mbps Full Duplex 100Mbps Half Duplex 10Mbps Full Duplex 10Mbps Half Duplex
Auto Logout			Enabled / Disabled

(ii) Related Settings

Login Timeout (sec)	:	Number of seconds before automatically logged out.
Automatically Refresh Page	:	Enabled / Disabled
Refresh Interval (sec)	:	Interval between auto page refresh.

(iii) Direct WEB Command Settings

Direct WEB Command	:	Enabled / Disabled
--------------------	---	--------------------

2) Click the “Apply” button after modifying settings.

Caution

Leaving the the settings page without clicking on the “Apply” button will discard any and all changes made.

b) Advanced

Confirm and modify advanced network settings.

Advanced Network Settings Page

The screenshot displays the 'Advanced Network Settings' page, which is divided into several functional sections:

- Network Tests:** Includes a 'Transmission Test Page' and a 'Send Test' button.
- Basic SNMP Settings:** A table for configuring SNMP parameters. The 'SET GET Setting' is set to 'Enabled'. The 'GET Community Name', 'SET Community Name', and 'TRAP Community Name' are all set to 'public'. There are also radio buttons for 'Manager Trap' and 'Authentication Trap', both currently set to 'Enabled'. Below these are eight input fields for 'Trap IP Address'.
- SNMP Filter Settings:** A table with 10 rows for configuring filters. Each row has a 'Filter IP Address' field and a 'Filter Mask' field. The 'Filter Mask' column is pre-filled with the value '255.255.255.255' for all rows.
- Status Notification:** A section with a 'Status Notification' radio button set to 'Enabled'. It contains three rows for configuring notification details, each with 'IP Address' and 'Port' fields. The 'Port' fields are pre-filled with '5000'. A 'Send Interval' field is set to '300' seconds.
- Multi-Port Control Reception:** A section with a 'Group Designation' radio button set to 'Disabled' and a 'Control Side MAC Address' input field. Below the input field, the text 'MAC Address Form 00 00 00 00 00 00' is displayed.

At the bottom of the page, there are 'Apply' and 'Reset' buttons.

(i) Network Tests

Click on the "Send Test" button. In the Send Test page, you may click on each outlet's "Send WOL" button to initiate a WoL test. This should send a Magic Packet to the networked device with registered MAC address.

You can do "Mail Test" and "Ping Test" on this page.



(ii) Basic SNMP Settings

SET GET Settings		:	Enabled / Disabled
GET Community Name	Default	:	Public (Max 20 characters)
SET Community Name	Default	:	public (Max 20 characters)
TRAP Community Name	Default	:	public (Max 20 characters)
Manager Trap		:	Enabled / Disabled
Authentication Trap		:	Enabled / Disabled
Trap IP Address 1-8		:	(Max 8 IP Addresses)

(iii) SNMP Filter Settings

SNMP Filter Function		:	Enabled / Disabled
Filter IP Address		:	
Filter Mask 1-10	Default	:	255.255.255.255 (Max 10 Addresses)

(iv) Status Notification

Status Notification		:	Enabled / Disabled
IP Address 1-3		:	
Port	Default	:	5000
Send Interval	Default	:	300 (sec.)

(v) Multi Power Control Reception

Group Designation		:	Disabled / Group 1-8
-------------------	--	---	----------------------

Control Side MAC Address : Enter MAC Address

What is Multi Power Control?

Mutil Power Control allows users to control up to 8 groups of Rebooters at once or as group. Broadcast Packets are used. Designate this unit's group using Group Designation. Enter the MAC address of the device used to control the groups to only allow said device to control the grouped Rebooters.

3) Click the "Apply" button after modifying settings.

Caution Leaving the the settings page without clicking on the "Apply" button will discard all changes made prior. For certain settings, you must also perform a CPU Reset for the changes to be applied.

c) Mail Settings

Register email addresses to which the unit will send monitoring / status abnormality / recovery emails.

The image shows two screenshots of a web-based configuration interface. The top screenshot is titled "Mail Server Settings" and contains fields for: User Name, Password, Mail Address, Receiver, RecvPort, DevServer, SendPort (set to 113), Logout Time (min) (set to 70), CheckInterval (min) (set to 3), Retry Interval (sec) (set to 70), Mode (with radio buttons for IMAP and POP3), SMTP Auth (with radio buttons for Enabled and Disabled), and SMTP Auth (with radio buttons for CRAM-MD5, LOGIN, and PLAIN). The bottom screenshot is titled "Mail Settings" and contains: Control Command (7) (with radio buttons for Enabled and Disabled), Control UserName, Control Password, Mail Subject (set to "Device Name"), Body Line1 (set to "Date time or Integrate time"), Body Line2 (set to "Location"), Body Line3 (set to "IP Address"), Body Line4 (set to "MAC Address"), Body Line5 (set to "User Comment1"), Body Line6 (set to "Event content"), Body Line7 (set to "None"), Body Line8 (set to "None"), User Comment1 (set to "r/in"), User Comment2, and User Comment3.

The image shows two screenshots of a web-based configuration interface. The top screenshot is titled "Notification Destination Address" and contains a table with 8 rows (Address1 to Address8) and 2 columns (No. and Destination Address). The bottom screenshot is titled "Notification Destination Condition" and contains a table with 8 rows (Address1 to Address8) and 4 columns (F1, F2, F3, F4). Below the table is a "Log Send count" field (set to 0) and a legend: F1:FW0 F2:None F3:Schedule F4:Heartbeat. At the bottom, there is a "Mail Server Error Messages" section with an "Error Message" field and "Apply" and "Reset" buttons.

(i) Mail Server Settings

Configure the settings according to your account information given to you by your provider. (User Name, Password, Mail Address, Receive Server name, Receive Port, Send Server name, Send Port)

Check Interval (min)	Default	:	3
Retry Interval (sec)	Default	:	10
(Send count based on parameter mailRetryCount. Default:3 times)			
SMTP-Auth		:	Enable/Disable [CRAM-MD5] [LOGIN] [PLAIN]
APOP		:	Enable/Disable

(ii) Mail Settings

Control Command	:	Enabled / Disabled
		<i>Note:</i> If you monitor mail server, this value needs to be "Enabled".
Control UserName	:	(Maximum 63 characters.)
Control Password	:	(Maximum 63 characters.)
Mail Subject		Choose from 9 options None, Device Name, Location, IP Address, MAC Address, Event Content (Description), User Comment 1-3
Body Line 2-8		Choose from 9 options None, Device Name, Location, IP Address, MAC Address, Event Content (Description), User Comment 1-3

(iii) Notification Destination Address

Destination Address

Set up the list of addresses that will receive notification from the unit.

Set up to maximum of 8 addresses.

Note: Mail Control Command can be used only from the mail addresses configured in this value.

(iv) Notification Destination Conditions

F1: Ping

F2: None

F3: Schedule

F4: Heartbeat

Log Send Count

: When the number of logs set in this item is updated, logs are sent to the email addresses specified at "Notification Destination Address". (Maximum: 20) (When this item is set to zero, no log is sent.)

(v) Mail Server Error Messages

Displays errors when there is a problem sending a mail.

Check the "Clear" box and click "Apply" to clear errors.

- 1) Once changes to settings are complete, click "Apply".
- 2) You can send test mail from Network Settings / Advanced / Send Test page. On that page, click "Send" button and click "OK" to send a test mail.

Caution

Leaving the settings page without clicking on the "Apply" button will discard all changes made prior. For certain settings, you must also perform a CPU Reset for the changes to be applied.

Even if you choose to only utilize the mail sending feature and not the POP certification feature, a user name and password is still required.

Data in the mail server will be deleted after being checked between mail checks.

C) Monitoring Settings

Confirm and modify monitoring settings for the product.

a) Ping Settings

- 1) Click the “Monitoring” button on the left panel. This will open the Monitoring Settings page.

Ping Settings Page

The screenshot shows the 'Ping Setting' configuration page. It features four identical monitoring configuration blocks. Each block has a 'Monitoring' column with four rows (1-4). Row 1 includes a 'DG' checkbox, a 'Send' field (e.g., 10), a 'NoAns' field (e.g., 100), and a 'Target Number' dropdown (e.g., 1). Row 3 includes 'Action', 'Times', and 'Interval' fields. Row 4 includes a 'NoAction' dropdown, 'Times' (e.g., 1), and 'Interval' (e.g., 1) fields. Below the monitoring blocks are two summary fields: 'PING Send Interval (min)' set to 1 and 'Warning Count (times)' set to 12. At the bottom, a 'Numbers of Cycles' section contains four input fields, each with the value 0.

- (1) Monitoring : Enter the target IP Address or Domain Name to monitor.
Maximum 4 monitoring addresses can be set per outlet.
Example:IP Address – 192.168.0.1
Example:Domain Name – usa.watchboot.com
- (2) DG : Check to set the default gateway as the monitoring address.
(Default Gateway)
- (3) Send : Number of ping tests to determine whether the device is connected and running.

Enter an integer between 1 and 100

(4) NoAns : Number of no-replies within the number of pings sent corresponding to the "Send" value.

Enter an integer between 1 and 100

(5) Target Number : Number of addresses to be considered when monitoring the status of the device.

Select 1~4

(6) Action : Choose what happens when the unit determines the target device to be in an abnormal condition.

NoAction : Nothing happens.

Reboot : Turns the outlet OFF and ON. This also records the event in the event log.

Log Only : Records the event in the event log without power control.

(7) Times : The number of times to repeat REBOOT.

(8) Interval : The interval for repeating REBOOT.

Enter integer between 1 and 60

(9) PING Send Interval : Interval(mins) between each ICMP echo request packet.

(10) Warning Count : The LED flashes in red when the error continues and REBOOT is executed for a fixed number of times. This number of times.

(11) Number of Cycles : If the error continues even after repeating REBOOT a certain number of times ->(7), REBOOT will not be executed once. And one hour after the first REBOOT, this device will do REBOOT several times again ->(A). The number of (A). (Default 0 means "unlimited")

2) After modifying settings, be sure click on the "Apply" button.

If the monitoring target is valid, the target number will turn green. If the unit detects abnormality (if the target is unresponsive to pings) the color will change to red. During recovery, the number will turn yellow.

Caution	After an action, if device continue to be unresponsive to PINGs, the unit will continue to ping normally every hour. After the unit's front panel LED is set to "abnormal" (red), only one reboot action will be taken per hour. This is to prevent excessive power cycles if another issue is preventing its normal operation.
---------	---

How PING Monitoring Works

The unit sends one ICMP echo request packet at configured interval and waits for a response. The unit will consider the device (outlet) frozen/unresponsive if the number of no-replies fulfill the configured count within the number of pings configured in the "send" parameter. The unit will then perform the selected action.

Example) Send: 5 NoAns: 3

Response Good → Bad → Good → Bad → Good → Bad

In the above case, the device is considered frozen / unresponsive and the unit will perform the selected action.

After the device / outlet is considered frozen/unresponsive, if the unit begins to receive PING reponse from the device, it will consider the device's status as "Normal" and continue to monitor the device as usual. If the unit receives partial response from the monitoring location, it will consider the outlet "Recovering."

b) Mail Server Monitoring

- 1) Click the “Mail Server” button in the Monitoring Settings Page. This will display the mail server monitoring settings.

Mail Server Monitoring Setup Page

The screenshot shows a web interface for configuring mail server monitoring. It features a table with four rows, each representing a mail server. Each row includes a 'Connect Error Count (0)' input field and an 'Action' dropdown menu. The actions are: Reboot, No Action, Log Only, and No Action. Below the table is a section titled 'Current Mail Server Settings' with fields for 'Error Count' (0) and 'Mail Check Interval (min)' (3). At the bottom are 'Apply' and 'Reset' buttons.

(i) Common Actions with Mail Server Settings

- Connect Error Count : Number of errors until action.
- Action : No Action: Monitoring is not active.
- Reboot: Makes an entry in the log, and turns the outlet ON and OFF.
- Log Only: Only makes an entry in the log.

Actions are comparable to those featured for Ping Monitoring.

(ii) Current Mail Server Settings

- Error Count : Displays the number of errors returned from mail Servers.
- Mail Check Interval (min) : Interval between mail Server checks
Default 3 mins.

- 2) After modifying settings, be sure click on the “Apply” button.

Caution

When using the mail Server monitoring feature, you will need to configure the Receive server as well. And you need to enable Mail Control Command. (You may leave the “Notification Destination Address” blank.)

When mail server monitoring and Ping settings are both configured and active, either of the features is able to perform the configured action.

c) Heartbeat Settings

- 1) Click the "Heartbeat" button in the Monitoring Settings Page. This will display the mail server monitoring settings.



Heartbeat	:	Enabled / Disabled Default: Disabled
Receive IP Address	:	Enter valid IP address of the device that is sending heartbeat packets. Leave blank to accept packets from any IP addresses.
Receive Port	:	Enter valid port number to receive Heartbeat packets. Default: 9100
Send Port	:	Enter the port number used by the device sending the Heartbeat packets. Default: 9100
Reboot Time	:	Enter number of seconds the unit waits after reboot until it starts to detect Default: 30
Receive Interval	:	Interval between receiving packets. (1-99 seconds) Default: 8
Timeout Max Count	:	Maximum number of times the unit will execute actions. (3 settings, 1-99) Default: 3

Action Max Count : Maximum number of times the unit will reboot the device. (3 settings, 1-99)

Be sure to select the "Enable" radio button for the "Heartbeat" option and click the "Apply" button.

Monitoring Settings

Configure action settings for each outlet.

	Receive	Timeout
None	No Action	No Action
On	No Action	Switch to ON
On Following	Switch from ON to OFF	Switch from OFF to ON
Off	No Action	Switch to OFF
Off Following	Switch from OFF to ON	Switch from ON to OFF
Reboot	No Action	Reboot
Scr & Reboot	No Action	Reboot After Shutdown Script Execution

"Scr & Reboot"

First, the shutdown script will run. Then, after waiting for the number of seconds defined in the "Reboot Time" parameter, the rebooting of the outlet will commence. (Please note that if the shutdown script is disabled, only the rebooting of the outlet will occur. This sequence will only run once.)

Packet Status

Condition:

Condition : Waiting / Timeout / Received Packet
 IP address : Displays the packet source's IP address.
 Timeout Count : Displays the number of timeouts.

D) Scheduling Settings

Confirm and Configure Scheduling Features for the unit.
Maximum number of scheduled events: 20

- 1) Click on the "Schedule" button on the left panel.

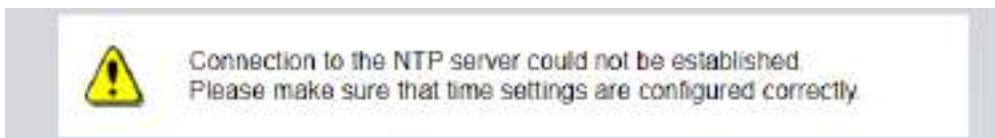
Schedule List							
No		Outlet	Week	Hour	Min	A/P	Action
1	<input type="checkbox"/>	All OL ▾	Sun ▾	0	0	AM ▾	None ▾
2	<input type="checkbox"/>	All OL ▾	All ▾	0	0	AM ▾	None ▾
3	<input type="checkbox"/>	All OL ▾	All ▾	0	0	AM ▾	None ▾
4	<input type="checkbox"/>	All OL ▾	All ▾	0	0	AM ▾	None ▾
5	<input type="checkbox"/>	All OL ▾	All ▾	0	0	AM ▾	None ▾
6	<input type="checkbox"/>	All OL ▾	All ▾	0	0	AM ▾	None ▾
7	<input type="checkbox"/>	All OL ▾	All ▾	0	0	AM ▾	None ▾
8	<input type="checkbox"/>	All OL ▾	All ▾	0	0	AM ▾	None ▾
9	<input type="checkbox"/>	All OL ▾	All ▾	0	0	AM ▾	None ▾
10	<input type="checkbox"/>	All OL ▾	All ▾	0	0	AM ▾	None ▾
11	<input type="checkbox"/>	All OL ▾	All ▾	0	0	AM ▾	None ▾
12	<input type="checkbox"/>	All OL ▾	All ▾	0	0	AM ▾	None ▾
13	<input type="checkbox"/>	All OL ▾	All ▾	0	0	AM ▾	None ▾
14	<input type="checkbox"/>	All OL ▾	All ▾	0	0	AM ▾	None ▾
15	<input type="checkbox"/>	All OL ▾	All ▾	0	0	AM ▾	None ▾
16	<input type="checkbox"/>	All OL ▾	All ▾	0	0	AM ▾	None ▾
17	<input type="checkbox"/>	All OL ▾	All ▾	0	0	AM ▾	None ▾
18	<input type="checkbox"/>	All OL ▾	All ▾	0	0	AM ▾	None ▾
19	<input type="checkbox"/>	All OL ▾	All ▾	0	0	AM ▾	None ▾
20	<input type="checkbox"/>	All OL ▾	All ▾	0	0	AM ▾	None ▾

Caution: Virtual Outlets do not operate under "Off" or "Reboot" action settings. Please use the "On" setting when configuring Virtual Outlets.

- (1) Check box : Enable / Disable selected event
Checked events are enabled.
- (2) Outlet : Outlet number to control
All OL (All Outlets)
Outlet 1-4
All vOL (All Virtual Outlets)
Virtual Outlets 1-8,
- (3) Week : Effective Days of the Week
All (Everyday)
Sunday Monday Tuesday
Wednesday Thursday Friday Saturday
- (4) Hour : Hour for the event
Choose from 1 – 12
- (5) Minute : Minute for the event
Choose from 0 - 59
- (6) A/P : Select between AM/PM.
- (7) Action : Select an Action which will occur at the configured time.
None: No action.
Reboot: Turn the outlet OFF, then ON.
ON: Turn the outlet ON.
OFF: Turn the outlet OFF.
Mail: Send a mail
Note: For virtual outlets, ON is only available.

2) After modifying settings, be sure click on the “Apply” button.

The following screen is displayed unless the “NTP Server” setting is properly configured in “System/Basic/Time Setting/NTP Setting”



Please properly configure the “NTP Server” in “System/Basic/Time Setting/NTP Setting” before proceeding.

E) Information

View various settings for this unit at a glance.

1) Click on the “Information” button in the left panel.

System Information Page



Basic System Information	
Device Name	RPC-M8 C-EA
Version	1.80A.1701E3
Model Name	RPC-M8 C-EA
Outlets	4
Outlet1 Name	Router
Outlet2 Name	Outlet2
Outlet3 Name	Ip Phone
Outlet4 Name	Outlet
V.Outlet1 Name	
V.Outlet2 Name	
V.Outlet3 Name	
V.Outlet4 Name	
V.Outlet5 Name	
V.Outlet6 Name	
V.Outlet7 Name	
V.Outlet8 Name	
MAC Address	00:09:EE:00:01:05
IP Address	192.168.0.100
SubNetMask	255.255.255.0
Default Gateway	192.168.0.1
System Time	08/20/17 05:59:23 PM (PT)
NTP Address	time.google.com (OK)
Daylight Saving Time	Enabled
HTTP Function	Enabled
HTTP Port	80
TELNET Function	Enabled
TELNET Port	23
LAN Speed	100 0Mbps

F) Help

View the help page.

1) Click on the "Help" button in the left panel.

Help Menu page



2) Click on the button to view dedicated pages that explain the subject matter.

3. Status

A) Basic Information

Quickly view the status of the outlets.

1) Click on the “Basics” button under the “Status” section in the left panel.

Basic Information page



The screenshot displays the 'Basic Information' page for a device. It is divided into two main sections: 'Device Information' and 'Outlet Monitoring Condition'.

Device Information:

Device Name	RPC-MSC-EA
Location	on top of bookshelf in office

Outlet Monitoring Condition:

No.	Outlet Name	Status	Execute	Power
1	Router	OK	0	ON
2	Outlet2	OK	0	ON
3	Ip Phone	NO	1	ON
4	Outlet4	OK	0	ON

Caution Basic Information only displays information. This page is not intended for power control or modification of settings.

B) Monitoring Status

View the Monitoring Status of the unit.

- 1) Click on the "Monitoring" button under "Status" section in the left panel.

Monitoring Status Page

Device Information

Device Name	RPC-M5C-EA
Location	on top of bookshelf in office

Outlet Monitoring Condition

No.	Outlet Name	Status	Execute	Power
1	Router		0	ON
2	Outlet2		0	ON
3	Ip Phone		0	ON
4	Outlet4		0	ON

Judgement Condition

No.	Send	NoAns	Target	Action
1	10	100	1	No Action
2	60	2	1	No Action
3	10	3	1	No Action
4	10	4	1	No Action

Monitoring Status

No.	Dest1		Dest2		Dest3		Dest4	
	Cond	NoRes	Cond	NoRes	Cond	NoRes	Cond	NoRes
1								
2								
3								
4								

PING Response Time

No.	Dest1		Dest2		Dest3		Dest4	
	ResTime	ResTime	ResTime	ResTime	ResTime	ResTime	ResTime	ResTime
1								
2								
3								
4								

Heartbeat Status

No.	Motion	Executions	Packet
1	None	0	Heartbeat Not Enabled
2	None	0	
3	None	0	
4	None	0	

Mail Server Status

Status	0
--------	---

(i) Device Information

Displays information (Device name, Location) about the unit.

(ii) Outlet Monitoring Condition

No.	:	Number for the particular outlet. (1 - 4)
Outlet Name	:	Name of the outlet. You may change the name of each outlet in System Settings / Basic.
Status	:	Displays the judgment result of PING monitoring and Mail Server monitoring. OK: The number of monitoring targets that indicate an error is less than the number of targets, and the mail server is normal. NG: The number of monitoring targets that indicate an error is equal to or greater than the number of targets, or the mail server is abnormal. ReC (Recovering): After the set operation, the number of monitoring destinations that indicate an error is less than the number of targets, but there are monitoring destinations that still indicate an error. Mail server is normal.
Execute	:	Displays the number of times the action for the outlet has been performed.
Power	:	ON, OFF

(iii) Judgement Condition

A quick view of the monitoring settings for each outlet. See Monitoring Settings for details.

(iv) Monitoring Status

Cond	:	Displays the response status of each monitoring destination for each outlet.
NoRes	:	No Response Count. Displays the number of time outs from ICMP echo pings.

(v) Ping Response Time

ResTime	:	Displays the response time.
---------	---	-----------------------------

(vi) Heartbeat Status

Motion	:	Displays the action to be taken when an error is detected. None / ON / On following / OFF / Off following / REBOOT / Scr & REBOOT
Executions	:	Shows the number of times the action has been performed.
Packet	:	Displays the reception status of heartbeat packets.

Standby / Receive / TimeOut

(vii) Mail Server Status

Status : Displays the number of mail server errors.

C) Event Log

View the current event log.

- 1) Click on the "Event Log" button under the "Status" section in the left panel.

Event Log Page

The screenshot displays the "Log List" window with a table of events. The table has columns for ID, Date/Time, and Description. Below the table are controls for "Display Range" (834 - 933), "System Time" (08/19/2017 04:34:37 PM), and navigation buttons: "Previous Page", "Next Page", "Top Page", "Last Page", "Text Page", and "Clear Log".

ID	Date/Time	Description
986	08/19/2017 06:07:00 A.M.	mail error
987	08/19/2017 07:07:00 A.M.	alive monitoring(zms)
988	08/19/2017 07:07:00 A.M.	mail error
989	08/19/2017 08:07:00 A.M.	alive monitoring(zms)
990	08/19/2017 08:07:00 A.M.	mail error
991	08/19/2017 09:07:00 A.M.	alive monitoring(zms)
992	08/19/2017 09:07:00 A.M.	mail error
993	08/19/2017 09:22:00 A.M.	ntp server connection established 09:22:10 A.M.
994	08/19/2017 10:07:00 A.M.	alive monitoring(zms)
995	08/19/2017 10:07:00 A.M.	mail error
996	08/19/2017 11:07:00 A.M.	alive monitoring(zms)
997	08/19/2017 11:07:00 A.M.	mail error
998	08/19/2017 12:07:00 P.M.	alive monitoring(zms)
999	08/19/2017 12:07:00 P.M.	mail error
1000	08/19/2017 02:07:00 P.M.	alive monitoring(zms)
1001	08/19/2017 02:07:00 P.M.	mail error
1002	08/19/2017 02:07:00 P.M.	alive monitoring(zms)
1003	08/19/2017 02:07:00 P.M.	mail error
1004	08/19/2017 02:07:00 P.M.	alive monitoring(zms)
1005	08/19/2017 02:07:00 P.M.	mail error
1006	08/19/2017 02:19:13 P.M.	ssh access detected 192.168.8.118
1007	08/19/2017 02:19:13 P.M.	ssh access detected 192.168.8.118
1008	08/19/2017 02:19:14 P.M.	ssh login detected 192.168.8.118
1009	08/19/2017 02:19:13 P.M.	ssh logout detected 192.168.8.118
1010	08/19/2017 02:19:13 P.M.	ssh access detected 192.168.8.118
1011	08/19/2017 02:19:13 P.M.	ssh access detected 192.168.8.118
1012	08/19/2017 02:19:13 P.M.	ssh login detected 192.168.8.118
1013	08/19/2017 02:19:14 P.M.	settings modified ipaddressserver
1014	1790570	settings saved
1015	1790613	settings modified ipaddressserver
1016	1790613	settings saved
1017	08/19/2017 02:39:00 P.M.	ntp server connection established 02:39:00 P.M.
1018	08/19/2017 02:40:00 P.M.	alive monitoring(zms)
1019	08/19/2017 02:40:00 P.M.	mail error
1020	08/19/2017 02:40:00 P.M.	ssh logout detected 192.168.8.118
1021	08/19/2017 02:47:00 P.M.	ssh access detected 192.168.8.118
1022	08/19/2017 02:47:00 P.M.	ssh access detected 192.168.8.118
1023	08/19/2017 02:47:00 P.M.	ssh login detected 192.168.8.118

2) Click on the circular arrow at the top right corner of the page to refresh the event log.

Previous Page	:	Displays the previous page.
Next Page	:	Displays the next page.
Top Page	:	Displays the top page.
Last Page	:	Displays the last page.
Text Page	:	Opens a new tab / window to display all available log entries. You may then copy / save the entries.
Clear Log	:	Clears Log (This action cannot be undone)

Caution	Each page only displays up to 100 entries. Maximum 10 pages. Maximum 1000 event entries.
---------	--

4. Power Control

Control power for the connected devices.

A) Power Control / Supply

1) Click on “Power Control” button under “Control” section in the left panel.



(i) Device Information

Displays the unit's name and location. (Refresh to display the latest information.)

(ii) Outlet Information

- ON : Turn ON the outlet's power.
- OFF : Turn OFF the outlet's power.
- Reboot : Turn the outlet OFF, then ON.

(ii)-1 All Outlets

- ON : Turn all outlets ON.
- OFF : Turn all outlets OFF.
- Reboot : Turn all outlets OFF, then ON.

B) Power Control / Virtual

The screenshot shows a web interface with two main sections. The top section, titled "Device Information", contains two fields: "Device Name" with the value "RPC-M5C-EA" and "Location" with the value "on top of bookshelf in office". The bottom section, titled "Virtual Outlets (WOL)", is a table with three columns: "No.", "Virtual Outlet Name", and "WOL Send". The table has 8 rows, each with a "WOL Send" button labeled "ON". The last row is labeled "All Virtual Outlets" and also has a "WOL Send" button labeled "ON".

No.	Virtual Outlet Name	WOL Send
1		ON
2		ON
3		ON
4		ON
5		ON
6		ON
7		ON
8		ON
All Virtual Outlets		ON

Virtual Outlets

Virtual Outlets are not physical outlets. The purpose of Virtual Outlets is to utilize Wake-on-LAN features on devices by sending Magic Packets to initial remote start ups.

(i) Device Information

Displays the unit's name and location.

(Refresh to display the latest information.)

(ii) Virtual Outlets (WOL) / WOL Send

Send a magic packet to initiate device Wake-on-LAN.

You may perform this action for each registered virtual outlets, or all virtual outlets at once.

Caution	When turning all virtual outlets on at once, the unit will turn on each outlets in a sequential, 1-second time-delayed order. (Delay time, Default) The OFF time for Reboot is default 10 seconds. Above values are configurable parameters.
---------	---

C) Multi Power Control



What is Multi Power Control?

Multi Power Control allows users to control up to 8 groups of Rebooters at once or as group. Broadcast Packets are used. Designate this unit's group using Group Designation. Enter the MAC address of the device used to control the groups to only allow said device to control the grouped Rebooters.

Controlled Group	:	Select the group you wish to control.
Operation	:	Action PowerON PowerOFF Reboot
Send	:	Send the command.

Caution When turning all virtual outlets on at once, the unit will turn on each outlets in a sequential, 1-second time-delayed order.
(Delay time, Default)
The OFF time for Reboot is default 10 seconds.
Above values are configurable parameters.

5. CPU Reset

Apply settings modifications.

- 1) Click on the "CPU Reset" button in the left panel.

CPU Reset page



- 2) Click on the "CPU Reset" button.
- 3) Click on "OK".
- 4) The message "CPU reset in progress... Please wait..." will blink on the screen. Do not unplug the power while CPU Reset is in progress.

Caution	During a CPU Reset, all network functionalities are temporarily disabled. However, this does not affect the outlets, since it is not a device reboot.
---------	---

Chapter 5

Other Settings

1. Configure Using Telnet

- 1) Run a telnet client program and connect to the product's assigned IP address.

Example:

192.168.10.1

IP ADDRESS :192.168.10.1

TELNET port :23

- 2) Upon successful connection to the unit, the below message is displayed.

Note: "Noname" is the unit's configured default name.

```
220 RPC-M5C-EA (Noname) server ready
```

- 3) Press any key. A message prompting ID and a password is displayed.
- 4) Enter ID (Default: admin) and the password (Default: magic), and press the <Enter> key. When successful, "OK" is displayed.

Caution Telnet connection uses a different password from one used to access the Web interface. Use the "pass" command to change the password during telnet connection.

We strongly suggest changing the default password for security purposes.

Configuring with Telnet

- 1) Run a telnet client program and connect to the product's assigned IP address.
- 2) Enter commands and press the <Enter> key to execute.

(Changes made to certain settings such as IP address will only apply after a CPU Reset.)

Some basic commands available with Telnet

Command	Description
LIST	Display all settings and variables for the unit.
WRITE	Write the variable settings to FROM.
&SAVE	Displays all settings parameters for saving and loading. (For saving and exporting settings)
LOAD_BEGIN	Begin reading setting data.
LOAD_END	End reading setting data.
?variable name	Display the value for the parameter.
.variable name =value	Configure and display value for the variable[parameter].
CPURESET	Reset CPU. (Outlets are not affected.)

Note: Regarding variables[parameter], please refer to the "Parameter List" (Chapter 8)

About "&save" command

"&save" is used to save, export, and import settings. Upon entering this command, all settings data are displayed with "LOAD_BEGIN" in the front and "LOAD_END" at the end. Copying/pasting/saving this string of text will allow for quick and easy import/export of settings. Note that this does not allow for copying of certain settings, such as passwords. "&save" does not have echo back. Exercise caution when saving/writing settings, as settings which may cause errors will transfer as is. Longer commands may be broken into multiple lines (hyphens indicate breaks between longer commands). When importing commands from file, make sure to set "promptMode" to value 0 or 1.

Chapter 6

Other Control Features

1. Control via Telnet

This product supports Telnet connectivity which allows for remote power control and status capture. The security level (ident, control) attributed to the login credentials determine the commands the user has at his disposal.

(i) Control Through Telnet Connection

- 1) Run a telnet client program and connect to the product's assigned IP address.

Example:

192.168.10.1

IP ADDRESS : 192.168.10.1

TELNET port : 23

- 2) Upon successful connection to the unit, the below message is displayed.

Note: "Noname" is the unit's configured default name.

```
220 RPC-M5C-EA (Noname) server ready
```

- 3) Press any key. A message prompting ID and a password is displayed.
- 4) Enter ID (Default: admin) and the password (Default: magic), and press the <Enter> key. When successful, "OK" is displayed.
- 5) Enter commands and press the <Enter> key to execute.

Command : See Chapter 8 < Control Command List >

Caution It is possible for multiple TELNET clients to log in to the unit. Check to see if other clients are logged in using the "Log" command. Avoid simultaneous login and control of the unit.

2. Control via Email

Control the unit via email.

To enable email commands, network settings and mail settings must be properly configured. The only emails registered as "Notification Destination Address" may use operation to control command. (Network Settings / Mail)

1. Sending an email to the unit
 - a) Subject line is not necessary.
 - b) Enter the "Control UserName" on the first line.
 - c) Enter the "Control Password" on the second line.
 - d) Third line onwards are the actual commands.
 - Enter the command and press <Enter>
 - You may not use the "List" and "&save" commands.
 - Type 「QUIT」 to log out. You may also use "E", "e", "Q", or "q".
2. After a few minutes, you will receive an email with the result.

3. Control via WEB Commands

How to transmit commands by WEB

You can directly control the device via WEB commands.

Before using WEB commands, be sure that "Direct WEB Command" is enabled in the Network Settings / Basic.

WEB commands are primarily for power control, and therefore not used to change settings on the device.

Fill in the required information in the brackets after the "cmd.htm".

(HTTP Authentication Basic or Digest)

?c=[used command]

(HTTP Authentication None)

?i=[user ID] &p=[password] &c=[used command]

Example:

User ID admin / password magic / command por3

(HTTP Authentication Basic or Digest)

http://192.168.10.1/cmd.htm?c=por3

(HTTP Authentication None)

http://192.168.10.1/cmd.htm?i=admin&p=magic&c=por3

Available commands user Lv [admin control ident]

VER POS XPOS OLS OLSn

Available commands user Lv [admin control]

PONn POFn PORn PSRn MPON MPOF MPOR PORSn
MPONV PONVn

Chapter 7

Shutdown Script

1. About Shutdown Scripts

This unit supports shut down scripts to safely shut down network devices.

(i) Shutdown Script Basics

1. Shutdown scripts are sent to target devices with the following conditions: Alive monitoring, scheduling, and power control.
2. The unit connects to the IP address and the port of the target device by means of TELNET.
3. Upon execution of the script, the outlet is turned off when one of the following conditions are met:
 - If ping monitoring is enabled: When target device no longer responds to ping sent at customized intervals, or when countdown exceeds that of the value set to shutdown delay time.
 - If ping monitoring is disabled: When countdown exceeds that of the value set to shutdown delay time. (You may also customize shutdown conditions in the script)

(ii) Shutdown Script Configuration

To modify shutdown script settings, please confirm the settings as detailed in “Chapter 4 Configure / Control with a Web Browser”.

Connect to the unit via TELNET to make modifications in the following parameters.

IP Address:	debOlShutdownAddr
Port Number:	debOlShutdownPort
	If the value is set to 0, the unit will use the default TELNET port, 23.
Script Name:	debOlShutdownScript
Enable / Disable Script:	debOlShutdownEnabled
Server Name (ID):	debOlShutdownName
Password:	debOlShutdownPassword
Ping Target:	debOlShutdownPingAddr
	Pings target device to check if it has shutdown properly. Configure IP Address or Domain Name.
Ping Interval:	debOlShutdownPingInterval

Ping Count: debOIShutdownPingCount
Ping Maximum Count: debOIShutdownPingMax
Power OFF Condition: debOIShutdownOffMax

(iii) Log

1) Makes an entry in the log regarding whether or not the script was successfully executed.

The values of the following parameters are saved:

debOIShutdownExit and debOIShutdownMsg

(iv) Errors

When a connection cannot be established

During shutdown delay, the unit will retry at an interval of a few seconds.

If the connection still cannot be established, attempts to reconnect are ended with error code 254.

If the connection is terminated

If an established connection is terminated, the process will end with error code 253.

(v) Text Specifications

1. Conditions

- Text must be within 2Kbytes.
- Maximum lines must be within 250.
- First line must be "telnet"
- You may add tabs and spaces before and between parameters.
- Functions may be written in lowercase or uppercase letters.
- Compatible with 2 byte characters.

2. Script Function Details

strings : Enclose in quotation marks. ""
Express CR codes as ¥r, and LF code as ¥n.
A ¥ is ¥¥, and a " is expressed as ¥".
Control codes are expressed as ¥xnn and nn in 2-digit
16 base expressions.
(Maximum length is 63 bytes.)

timeout : Script timeout variable in seconds.
Max 1023 (sec) (script example is set to 600 seconds)
When the configured time passes, the script is

	forcefully terminated.
	(end code 255)
delay time	: Units in 100ms, max pause time 1023
goto <label>	: Jumps to the specified label.
Label	: Labels 1~99
	Other entries are comments only.
exit code	: Ends script End code is 0-255, abbreviated as 0
	Saved as variable debOlShutdownExit
send string	: Sends string.
Recv	: Receives data in receive buffer.
recv time goto <label>	: Receives data in receive buffer. (time unit is in seconds)
	If data is not received within the time allotted, it will jump to label.
recv time exit end code	:
if <string>, goto <label>	: If a string is stored in the receive buffer, jump to label.
if <string> exit	: If a string is stored in the receive buffer, end.
unless <string> goto <label>	: If a string is not stored in the receive buffer, jump to label.
unless <string> exit <end code>	: If a string is not stored in the receive buffer, end.
/	: Comment
	Enter a comment at the end of the line after /.
set <string>	: Store a string in the message variable debOlShutdownMsg.
sendname	: Send Servername (ID) with CRcode.
sendpassword	: Send password with CR code.

Chapter 8

Product Specification

Parameter List

<i>Parameters</i>	<i>Default</i>	<i>Details</i>	<i>Notes</i>
ipAdEntAddr	192.168.10.1	IP address	
ifPhysAddress		MAC address	(Read Only)
serialNo		< unused >	
sysName	Noname	Device name	Up to 19 charactors
snmpGetSetEnabled	0	SNMP SET, GET activation	0: Disabled 1: Enabled
snmpTrapEnabled	0	SNMP TRAP activation	0: Disabled 1: Enabled
snmpAuthenTrapEnabled	2	SNMP TRAP notification at the time of unauthorized access	1: Disabled 2: Enabled
snmpTrapSendN	1	TRAP transmission count	1-9
snmpTrapSendInterval	1	TRAP transmission Interval (sec.)	1-9
snmpTrapAddr		TRAP destination address	Up to 8 addresses, separate by “,”
snmpFilterEnabled	0	SNMP Filter activation	0: Disabled 1: Enabled
snmpFilterAddr		SNMP Filter : Allowed address	Up to 10 addresses, separate by “,”
snmpFilterMask	255.255.255.255, 255.255.255.255, 255.255.255.255, 255.255.255.255, 255.255.255.255, 255.255.255.255, 255.255.255.255, 255.255.255.255, 255.255.255.255	SNMP Filter Mask	Up to 10 addresses
getCommunity	public	SNMP GET community name	Up to 20 charactors
setCommunity	public	SNMP SET community name	Up to 20 charactors
trapCommunity	public	SNMP TRAP community name	Up to 20 charactors
sysDescr	*1		(Read Only)
sysContact	inforpc@meikyo.co.jp	Contact	
sysLocation	Nowhere	Location name	Up to 63 charactors
ifDescr	*2		(Read Only)
ipAdEntNetMask	255.255.255.0	Subnet Mask	
ipRouteDest		Default Gateway	
netBootpRetry	0	BOOTP retry count	
netRarpRetry	0	RARP retry count	
telnetEnabled	0	TELNET activation	0: Disabled 1: Enabled
telnetPort	23	TELNET port number	
rshdEnabled	0	Remote shell activation	0: Disabled 1: Enabled
rshdPort	514	Remote shell incoming port	
rshErrPort	1000	Remote shell error port	
utilityPort	9000	UTY port	
fileLoadPort	9200	HTML file load port	
httpEnabled	1	HTTP activation	0: Disabled 1: Enabled
httpPort	80	HTTP port	
httpRefreshInterval	30	HTTP automatic refresh interval (sec.)	
httpRefreshEnabled	0	HTTP automatic refresh activate	0: Disabled 1: Enabled
httpCommandEnabled	0	HTTP command activate	0: Disabled 1: Enabled
dhcpEnabled	0	DHCP activate	0: Disabled 1: Enabled

ipFilterEnabled	0	IP filter activate	0: Disabled 1: Enabled
ipFilterAddr	192.168.10.0	IP filter address	Up to 10 addresses, separate by ","
ipFilterMask	255.255.255.0, 255.255.255.255, 255.255.255.255, 255.255.255.255, 255.255.255.255, 255.255.255.255, 255.255.255.255, 255.255.255.255, 255.255.255.255	IP filter mask	10 Addresses
model	RPC-M5C-EA	Model name	(Read Only)
com1Speed	3	< unused >	
com1DataBits	8	< unused >	
com1StopBits	1	< unused >	
com1Parity	0	< unused >	
version	1.10A.190410	Firmware version	(Read Only)
debTcpInactiveTimer	10	TELNET: No communication timer (min.)	
autoLogoutEnabled	1	Enable Automatic Logout (WEB, telnet)	0: Disabled 1: Enabled
userLoginTimeout	600	Time Until HTTP Logout (sec.)	30 to 30000
debMasterRebootTime	10	All outlets Reboot Delay (sec.)	8 to 3600
debOIMaster	1,2,3,4	Each outlet interlock setting	Left to right: Outlets 1 through 4 Outlet linking off by default
debOIPowerOnTime	1,2,3,4	All outlets On Command Delay (sec.)	Left to right: Outlets 1 through 4 -1 to 3600
debOIPowerOnSTime	1,2,3,4	Cold start ON Delay (sec.)	Left to right: Outlets 1 through 4 -1 to 3600
debOIPowerOnTTime	0,0,0,0	Schedule ON Delay (sec.)	Left to right: Outlets 1 through 4 -1 to 3600
debOIShutdownTime	0,0,0,0	Each outlet / All outlets OFF Command delay (sec.)	Left to right: Outlets 1 through 4 -1 to 3600
debOIRebootTime	10,10,10,10	Each outlet / All outlets Reboot Command delay (sec.)	Left to right: Outlets 1 through 4 8 to 3600
debOIWdogAddr		Monitoring destination IP address	Left to right: Outlets 1 through 4 separate by "," 4 Maximum
debOIWdogSendMax	10,10,10,10	PING Monitoring Send Count	Left to right: Outlets 1 through 4 1 to 100
debOIWdogNoResMax	10,10,10,10	PING Monitoring No response times	Left to right: Outlets 1 through 4 1 to 100
debOIWdogActCond	1,1,1,1	PING Monitoring Target Number	Left to right: Outlets 1 through 4 1 to 4
debOIWdogAction	0,0,0,0	PING Monitoring Action	Left to right: Outlets 1 through 4 0: NoAction 1: LogOnly 2: Reboot
debOIWdogActCount	0,0,0,0	PING Monitoring Action Count	Left to right: Outlets 1 through 4
debOIWdogStatus	0,0,0,0	PING Monitoring Status	Left to right: Outlets 1 through 4 0: Not Configured 1: Normal 2: Abnormal 3: Recovering
debOIRebootCount	1,1,1,1	PING Monitoring Reboot Repeat Count	Left to right: Outlets 1 through 4 1 to 100
debOIRebootInterval	1,1,1,1	PING Monitoring Reboot Repeat Interval (min.)	Left to right: Outlets 1 through 4 1 to 60
debOIActionLimit	0,0,0,0	PING Monitoring Reboot Repeat Count when abnormal every hour	Left to right: Outlets 1 through 4 0: Unlimited

mailSmtplibAuthEnabled	0	Enable SMTPAUTH	0: Disabled 1: Enabled
mailSmtplibAuthMask	7	Mask SMTPAUTH	
mailImapAuthMask	6	IMAP AUTH's Mask	
mailRetryCount	3	Mail Retry Count	1 to 99
mailRetryInterval	10	Mail Retry Interval (sec)	1 to 999
mailRecvPort	110	Mail Receive Port	0 to 65535
mailSendPort	25	Mail Transmission Port	0 to 65535
mailExtraMsg	¥¥¥	Notification Mail User Defined Characters	Up to 3 Patterns Up to 40 characters (¥¥¥ is a line-break)
promptMode	2	TELNET Prompt Mode	0: None 1: Display ">" 2: Display "Device Name"
modemEnabled	0		
modemTimeout	10		
logMode	0111 1111 1111 1111 1111 1111 1111 0100	Log Write Mode (31 Bits)	0: Disabled 1: Enabled
logDisp	0111 1111 1111 1111 1111 1111 1111 1111	Log Display Mode (31 Bits)	0: Disabled 1: Enabled
mailLogCount	0	Number of Times Log Was Sent by Mail	0: Disabled 1 to 20: Threshold Value
mailLogDisp	0111 1111 1111 1111 1111 1111 1111 1111	Mail Log Display Mode (31 Bits)	0: Disabled 1: Enabled
ipAdNtpServer		NTP Server's IP Address	
ntpInterval	6	NTP Server Access Interval (x10 mins)	
syslogEnabled	0	Enable Status Notification	0: Disabled 1: Enabled
ipAdCenter		MSRP/sysLog Destination IP Address	3 Maximum
centerPort	5000,5000,5000	MSRP/sysLog Destination Port Number	
terminalId	0	<unused>	0 to 9999
centerSendTimer	300	Transmission Interval on Monitoring Information (sec)	
centerChangeSendTimer	10	Transmission Interval on Status Change (100 milliseconds)	
centerChangeSendCount	3	Number of Transmissions on Status Change	
ipAdTelnetT		Relay Address for TELNET from TELNET	
ipAdTelnetU		Relay Address for TELNET from UTY	
remoteTelnetPortT	23	Relay Port for TELNET from TELNET	
remoteTelnetPortU	23	Relay Port for TELNET from UTY	
remoteTelnetMyPort	5000	Transmission Port Base Number During TELNET Relay	
discChar		Transmission Termination Character During Relay Connection	
debWakeupPhysAddr	,,,	WOL MAC Address	4 Maximum, separated by ","
debWakeupMaxCount	2	Magic Packet Transmission Count	
debWakeupInterval	15	Magic Packet Transmission Interval (sec)	
debWakeupPhysAddrV	,,,,,,	Virtual Outlet WOL MAC Address	8 Maximum, separated by ","

			5: Reboot 6: Reboot After Shutdown Script Execution
hbTimeoutCount	0	Total Number of Time-Outs	(Read Only)
hbActionCount	0,0,0,0	Number of Actions Executed for Each Outlet	(Read Only)
hbStat	0	Heartbeat Status	(Read Only) 0: Standby 1: Receive Packets 2: Timeout
hbCallingIpAddr		Last IP Address That Received Packet (Read Only)	
timezoneIndex	30	Number of timezone	6: UTC+10 ChT (Chamorro) 29: UTC-4 AT (Atlantic) 30: UTC-5 ET (Eastern) 31: UTC-6 CT (Central) 32: UTC-7 MT (Mountain) 33: UTC-8 PT (Pacific) 34: UTC-9 AKT (Alaska) 36: UTC-10 HAT (Hawaii-Aleutian) 37: UTC-11 ST (Samoa) 38: UTC-12 WAKT (Wake Island)
timezonesDst	0	Standard Time / Summer Time	0: Standard Time 1: Summer Time (Standard Time + 1:00)
timezoneOffset	-300	Time difference from UTC of currently selected time zone	(Read Only)
timezoneName	ET	Name of currently selected time zone	(Read Only)

*1 Meikyo Remote Power Controller, RPC-M5C-EA Ver. 1.10A

*2 Meikyo 100BASE-TX Driver

Log List

Contents	TELNET Log	Additional Information
Log start	Log Start	
PING Transmission	ping	outlet no. Ipaddr no.
No Response from PING	No Echo	outlet no. Ipaddr no.
Freeze Detection (NoAction)	No Action	outlet no.
Freeze Detection (REBOOT)	Outlet Reboot	outlet no.
Freeze Detection (Outlet ON)	Outlet On	outlet no.
Freeze Detection (Outlet OFF)	Outlet Off	outlet no.
Normal / Recovering	Outlet Recovered	outlet no.
Schedule (REBOOT)	Outlet Reboot by Schedule	outlet no.
Schedule (Outlet ON)	Outlet On by Schedule	outlet no.
Schedule (Outlet OFF)	Outlet Off by Schedule	outlet no.
All Outlets ON	MPON	outlet ALL ID (ID: the User)
All Outlets OFF	MPOF	outlet ALL ID (ID: the User)
All Outlets REBOOT	MPOR	outlet ALL ID (ID: the User)
Outlet ON	PON	outlet no. ID (ID: the User)
Outlet OFF	POF	outlet no. ID (ID: the User)
Outlet REBOOT	POR	outlet no. ID (ID: the User)
Login request by email	-->Mail	Ipaddr no. (no.: the configuration number)
Login by email	==>Mail	Ipaddr no. (no.: the configuration number)
Logout by email	<==Mail	Ipaddr no. (no.: the configuration number)
TELNET connection	-->Telnet	IPaddr
TELNET disconnection without login	<--Telnet	IPaddr
TELNET multiple connetion	>>xTelnet	IPaddr
TELNET login	==>Telnet	IPaddr
TELNET logout	<==Telnet	IPaddr
Web connection	-->Web	
Web login	==>Web	
Web logout	<==Web	
Configuration change	variable set (xxxxx)	[parameter] ID (ID: the User)
Configuration writing (WRITE)	write to FROM	ID (ID: the User)
NTP server connection	NTP -- hh:mm:ss	hour minute second
NTP server connection error	NTP Server Access Error	
Email error	Mail Error	

Control Command List

Command	Description																														
MPON	Turn all outlets ON.																														
MPOF	Turn all outlets OFF.																														
MPOR	Reboot all outlets. (OFF, then ON)																														
PONn	Turn outlet "n" ON. (n=1-4)																														
POFn	Turn outlet "n" OFF. (n=1-4)																														
PORn	Reboot outlet "n". (n=1-4)																														
PSRn	Reverse outlet "n" status. (ON to OFF, OFF to ON)																														
MPONV	Send a Magic Packet to all virtual outlets.																														
PONVn	Send A Magic Packet after debWakeupInterval. (n=1-8)																														
PORSn	First, the shutdown script will run. Then, after waiting for the number of seconds defined in the "Reboot Time" parameter, the rebooting of the outlet will commence. (Please note that if the shutdown script is disabled, only the rebooting of the outlet will occur. This sequence will only run once.) (n=1-4)																														
OLSn	<p>Display Monitoring Status for each outlet. (n=1-4)</p> <p>Not entering a value for n displays status for all outlets.</p> <p>Values separated by commas</p> <table> <tr> <td>Outlet No.</td> <td>Outlet number [1-4]</td> </tr> <tr> <td>Power</td> <td>Power Status [0:Off 1: On]</td> </tr> <tr> <td>Judge</td> <td>Cond.[1:OK 2:NG 3:Recovering]</td> </tr> <tr> <td>Action Count</td> <td>Number of actions executed</td> </tr> <tr> <td>Last Ping1</td> <td>Last ping result from address 1 [1:OK 2:NG]</td> </tr> <tr> <td>NoEchoCount1</td> <td>No. of on-replies from Address 1</td> </tr> <tr> <td>NoEchoTime1</td> <td>Latency of reply from Address 1 (ms) [0: n/a 1: responded 9999: no-reply]</td> </tr> <tr> <td>Last Ping2</td> <td>Last ping result from address 2 [1:OK 2:NG]</td> </tr> <tr> <td>NoEchoCount2</td> <td>No. of on-replies from Address 2</td> </tr> <tr> <td>NoEchoTime2</td> <td>Latency of reply from Address 2 (ms) [0: n/a 1: responded 9999: no-reply]</td> </tr> <tr> <td>Last Ping3</td> <td>Last ping result from address 3 [1:OK 2:NG]</td> </tr> <tr> <td>NoEchoCount3</td> <td>No. of on-replies from Address 3</td> </tr> <tr> <td>NoEchoTime3</td> <td>Latency of reply from Address 3 (ms) [0: n/a 1: responded 9999: no-reply]</td> </tr> <tr> <td>Last Ping4</td> <td>Last ping result from address 4 [1:OK 2:NG]</td> </tr> <tr> <td>NoEchoCount4</td> <td>No. of on-replies from Address 4</td> </tr> </table>	Outlet No.	Outlet number [1-4]	Power	Power Status [0:Off 1: On]	Judge	Cond.[1:OK 2:NG 3:Recovering]	Action Count	Number of actions executed	Last Ping1	Last ping result from address 1 [1:OK 2:NG]	NoEchoCount1	No. of on-replies from Address 1	NoEchoTime1	Latency of reply from Address 1 (ms) [0: n/a 1: responded 9999: no-reply]	Last Ping2	Last ping result from address 2 [1:OK 2:NG]	NoEchoCount2	No. of on-replies from Address 2	NoEchoTime2	Latency of reply from Address 2 (ms) [0: n/a 1: responded 9999: no-reply]	Last Ping3	Last ping result from address 3 [1:OK 2:NG]	NoEchoCount3	No. of on-replies from Address 3	NoEchoTime3	Latency of reply from Address 3 (ms) [0: n/a 1: responded 9999: no-reply]	Last Ping4	Last ping result from address 4 [1:OK 2:NG]	NoEchoCount4	No. of on-replies from Address 4
Outlet No.	Outlet number [1-4]																														
Power	Power Status [0:Off 1: On]																														
Judge	Cond.[1:OK 2:NG 3:Recovering]																														
Action Count	Number of actions executed																														
Last Ping1	Last ping result from address 1 [1:OK 2:NG]																														
NoEchoCount1	No. of on-replies from Address 1																														
NoEchoTime1	Latency of reply from Address 1 (ms) [0: n/a 1: responded 9999: no-reply]																														
Last Ping2	Last ping result from address 2 [1:OK 2:NG]																														
NoEchoCount2	No. of on-replies from Address 2																														
NoEchoTime2	Latency of reply from Address 2 (ms) [0: n/a 1: responded 9999: no-reply]																														
Last Ping3	Last ping result from address 3 [1:OK 2:NG]																														
NoEchoCount3	No. of on-replies from Address 3																														
NoEchoTime3	Latency of reply from Address 3 (ms) [0: n/a 1: responded 9999: no-reply]																														
Last Ping4	Last ping result from address 4 [1:OK 2:NG]																														
NoEchoCount4	No. of on-replies from Address 4																														

	NoEchoTime4	Latency of reply from Address 4 (ms) [0: n/a 1: responded 9999: no-reply]
VER	Display version information	
POS	Display the status for all outlets Response: mmmm From left: Outlet 1 - 4 m= 0:OFF 1:ON	
XPOS	Display detailed statuses for all outlets Response: ABXXXX, ABXXXX, ABXXXX, ABXXXX, From left: Outlet 1 - 4 A= 0: OFF 1: ON B= 0:OFF Delayed 1: ON Delayed XXXX= B remaining seconds on timer	
ID	Change user ID	
PASS	Change the password. Enter the new password twice. Note: Failure to match passwords will not change the password.	
DATE	Format: mm/dd/yy mm: month dd: day yy: year	
TIME	Current time settings. Format: hh:mm:ss hh:hours mm:minutes ss:seconds	
PING	Sends ICMP four times. Example: PING [IP ADDRESS]	
IPCONFIG	Displays LAN settings. (Example below) IP Address 192.168.10.1 SubnetMask 255.255.255.0 DefaultGateway 192.168.10.254 EthernetSpeed 100.0Mbps	
CPURESET	Perform a CPU reset. This command will not affect the unit's power.	
PROMPT=n	0 (no display) 1 (display ">") 2 (display "unit name>") Note: Variable "promptMode" selects the mode.	
EXIT	Disconnect from unit. You may also use "E", "e", "Q", or "q".	

Specifications

Communication Standards	LAN Communication Protocols	ARP, TCP, IP, UDP, ICMP, SMTP, POP3 APOP, IMAP, BOOTP, DHCP, TELNET HTTP, NTP, SNMP, WOL	
	LAN Access Control	WEB, TELNET, E-Mail, SNMP	
Functions	Control/Management of Power Supply	Power supply ON	
		Power supply OFF	
		Power supply reboot	
		Acquire power supply status	
		Group control	
	Scheduling Function	Weekly scheduling function (20)	
		NTP time synchronization function	
		Schedule ON/OFF function	
	Status Monitoring	Transmission of ICMP	
		Notifying function: SNMP trap, UDP packet	
Mail notification			
WOL compatibility	Equipped: Sending magic packets		
Shut down function	Script communication (TELNET)		
Hardware Specification	Interface	LAN 1 (RJ-45) : 10BASE-T / 100BASE-TX (per IEEE802.3)	
	Rating	Max. controllable power	120V 12A
		Power consumption	Max. 5.8W
		Input power voltage	AC100-120V 50/60Hz
	Service condition	Temperature: 0-40°C	
		Humidity: 20-85 % (No condensation)	
	External dimensions	220(W) × 42.6(H) × 165(D)mm	
Weight	1.3 kg (without Power Cable Set)		
Applicable standards	FCC Part15 Subpart B, UL60950-1, RoHS Directive compliant		

Appendix A

Example of use:

Media player and
Display

1. Preparation

- Confirm that outlet 1 is connected to Display and outlet 2 is connected to PC as media player in this unit.
- PC(Media Player) is necessary to have heartbeat transmission software, MRC-HB Ver 1.5-190416(mrchb.exe) and shutdown server, MRC shutdown server Ver 1.0(mrcsdsve.exe).
- Wake on Lan in Windows10 is disabled. Please enable it.

Note: The setting of the number of seconds comes out in the description from here, but it is only an example. Please adjust to the number of seconds according to the actual system.

2. Setting of heartbeat transmission software

- It keeps sending heartbeats if the condition of Media playback software running on the PC is normal. In the otherhand, it will stop sending heartbeats if it detect abnormalities. That is the function of this software.

- (1) Start MRC-HB Ver 1.5.190416.

Then the screen like right figure will appear.

Enter the IP address and 5sec. should be set as interval.

That will generate heratbeat packet in 5 seconds interval.

MRC-HB Ver 1.5-190416

Heartbeats Status: Stop 2019/04/23 13:14:26

CPU resource status

Start

Stop

IP Address: 192.168.1.222 Port: 9100 Local Port: 9100 Interval: 5 sec

Send code: MEIKYHB Start Wait Time: 60 sec

CPU resource

MAC Address: 00:00:00:00:00:00 search

Add shortcut to startup

Close

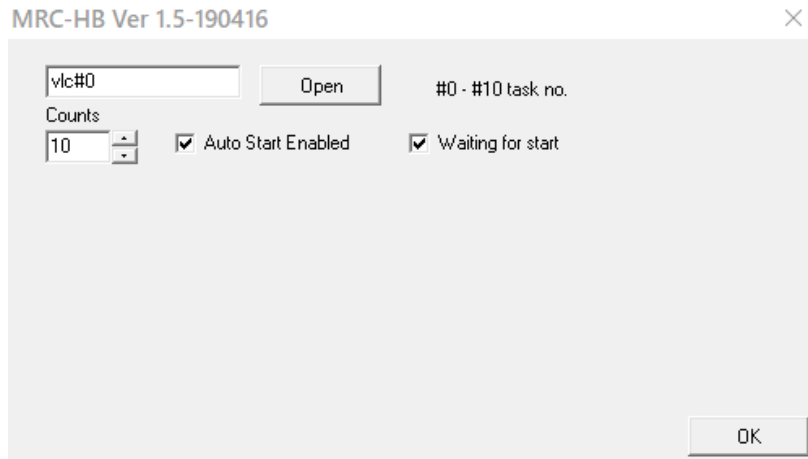
Exit

About 60 sec. should be set as Start Wait Time. This allows the display to turn on again after the media player restarts and resumes video playback.

- (2) As this software will be added in start up, please click "Add shortcut to startup" button.

- (3) As the next step, click "CPU resource" button in the same screen, the right figured image will appear.

Click "application" button and select media playback software. If it is VLC player, then it might be easier to enter "vlc#0" directly.



For the Counts we will recommend to enter 8 seconds, however that should be longer than interval value what you have set with (1),

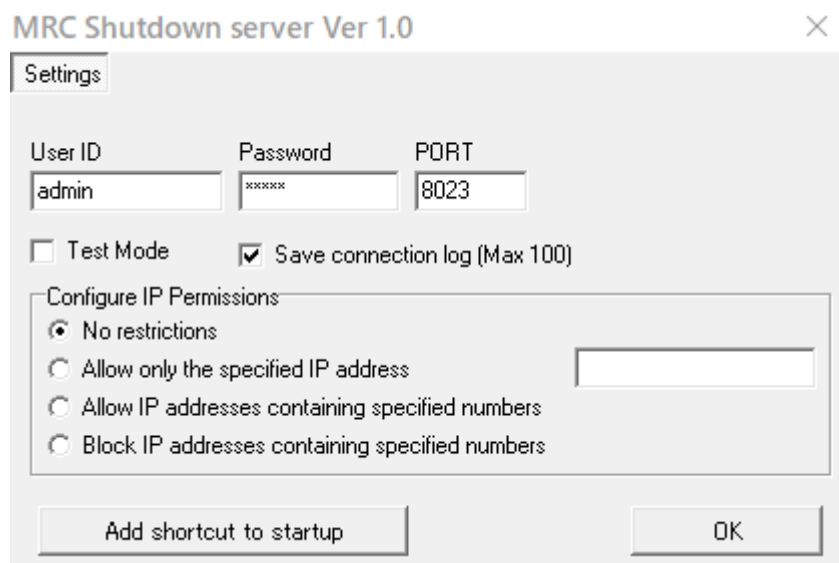
After that please remark "CPU resources Check" and "OK" button can be clicked.

- (4) You now back to first screen. Please click "Start" button. Hearbeat packet is continuously sending.

3. Setting of Shutdown Server

- It is server software that allows a PC to receive scripts and shut down. (It is necessary to have this software as Windows10 has no Telnet server function.)

- (1) Start MRC Shutdown Server ver 1.0. Then the screen like right figure will appear.



- (2) By default it is set as User ID:admin, Password:magic, PORT:8023. Please change it according to the use situation.
- (3) In case you want to set receiving the scripts only by specific IP address, you can select "allow only the specified IP address" in "Configure IP Permissions" and enter its IP Address.
- (4) Click "OK" button to make the server software being stationed.

4. Setting RPC-M5C-EA

- By WEB browser, enter the IP Address of this unit then ID and Password will be required. Then by default you may enter ID:admin and Password: magic. Then right screen image will appear.



A) Setting shutdown script

- (1) By click "System" button of Settings, then right figure will appear.



- (2) By click "Advanced" button, then right figure will appear.



- (3) By click "Shutdown" button, then the settings button for each outlet is displayed.



- Hereafter it is explained in the case of that outlet 1 is connected to display and outlet2 is connected to PC as Media player.

- (4) Please set as below.

Script Execution should be as enabled.

Script Number will remain as it is, that means 1 (The shutdown script for Windows is set by default.)

IP Address should be choiced the address of PC(Meddia Player) and enter.

Port should be the same number what you set (2) in Section 3. Deafult is 8023.

Login ID and Password should be the same one what you set (2) in Section 3.

Shutdown Ping Addr should be IP address of PC(Media Player). You have to confirm its shutdown by sending the ping.

Shutdown Ping Interval: recommended value as 5

Shutdown Ping Count: recommended value as 5

Shutdown Ping Max: recommended value as 2



- (5) Click "Apply" button.

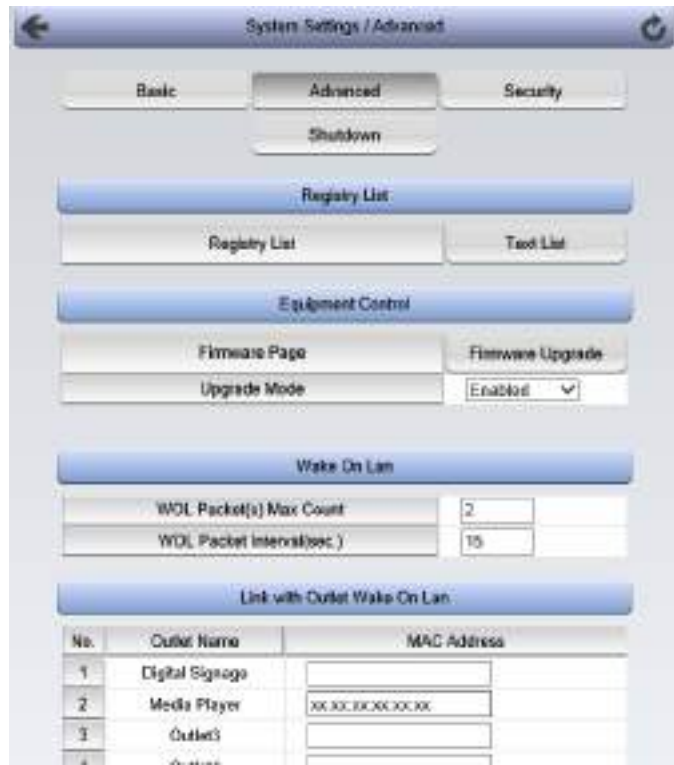
B) Setting Wake on Lan

- The setting requires the Mac address of the PC(media Player).

- (1) As the same methods like (1) and (2) of setting shoutdown script in Section 4, the right screen figure will appear.

Outlet2 requires MAC Address under the "Link with Outlet Wake on Lan". Please enter MAC Address of PC (Media Player) and click "Apply" button.

- Settings related to Wake on Lan can be done with Wake on Lan at this screen.



C) Setting Heartbeat monitoring

- (1) Click "SETTING" in screen left and click the "Monitoring" button, then right screen will appear. Then click "heartbeat" button.



(2) Please set hereafter as below;

In the Box of Heartbeat Settings

Heartbeat should be checked as enabled.

Receive IP Address will be open. In this case heartbeat can be received by unlimited IP Addresses. If you want to receive heartbeat packet only from PC(Media Player),

You may allow to enter IP Address of PC (Media Player).

In the Box of Monitoring Settings

Action to be selected as off following for the Outlet1

Action to be selected as Scr&Reboot for the Outlet2

The image shows two configuration screens. The top screen is titled "Heartbeat Settings" and contains a table with the following fields:

Heartbeat	<input checked="" type="radio"/> Enabled <input type="radio"/> Disabled
Receive IP Address	192.168.1.235
Receive Port	9100
Send Port	9100
Reboot Time	30
Receive Interval	8
Timeout Max Count	3
Action Max Count	3

The bottom screen is titled "Monitoring Settings" and shows three "Heartbeat Monitoring" entries:

- Entry 1: Action dropdown set to "Off following".
- Entry 2: Action dropdown set to "Scr&Reboot".
- Entry 3: Action dropdown set to "None".

(3) CPU reset will be required by click of "Apply" in lower part of screen. Please click "CPU Reset" button in screen left.

The image shows a monitoring screen with a left sidebar containing buttons for "CPU Reset", "Admin 192.168.1.235", and "Logout". The main area displays three "Heartbeat Monitoring" entries, each with an "Action" dropdown set to "None". Below these is a "Packet Status" section showing "Heartbeat Disabled". At the bottom, there are "Apply" and "Reset" buttons.

(4) The unit is ready to receive heartbeat packet after the warm-up start.

D) Outlet delay time setting

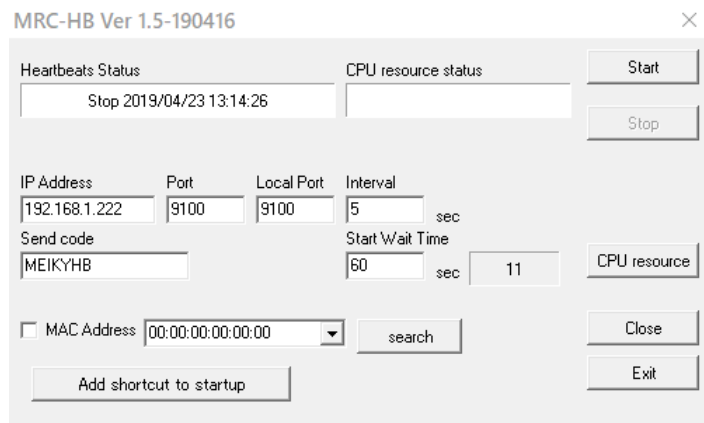
- When the heartbeat packet stops, outlet 1 is immediately turned off and outlet 2 should be rebooted shortly after the PC is shut down.

- (1) By click "System" button of Settings, then right figure will appear.



By Outlet settings you may set 60 seconds as REBOOT for outlet 2, then click "Apply" button in lower part of screen.

- Set to turn on the display 60 seconds after the heartbeat packet is received again. (Heartbeat transmit Start Wait)
- (2) About 60 sec. should be set as Start Wait Time in MRC-HB Ver 1.5-190416.



5. Preparation work is now ready for use!

- By using heartbeat soft we prepared in (3) of Section 2, you may click "Start" button. Now it will start to send heartbeat packet.
- You may now start Media Playback via PC(Media Player). Shutdown script will start if you may stop Media Player.

If you want shutdown temporarily, then you may change IP Address of PC(Media Player) temporarily or EXIT resident shutdown server software.

Contact Us

Meikyo Electric Co., Ltd - Japan Headquarters
Tokyo Ferrite Building 4F
Tabatashinmachi 1-1-14, Kita-ku, Tokyo 114-0012 Japan
TEL +81-3-6807-7587
FAX +81-3-3810-5546

Meikyo Electric Co., Ltd - Devicenet USA Inc. Office
4000 Moorpark Ave # 116
San Jose, CA 95117
TEL (408)394-5393

Warning

1. Photocopying or duplicating of this Manual and details of the product without authorization of Meikyo Electric Co., LTD. in their entirety or in part is strictly prohibited.
2. The contents of this Manual or details of the product are subject to change at any time without prior notice.
3. Although the contents of this Manual and details of the product are compiled with utmost care based on the best available knowledge, should any ambiguity, error, or omission be found, contact Meikyo Electric Co., LTD.
4. Notwithstanding the foregoing Paragraph 3, Meikyo Electric Co., LTD. shall not be held liable for any effect resulting from use of the product.
5. Meikyo Electric Co., LTD. shall not be held liable for any trouble etc. due to use of the product for a purpose other than intended or in a way not authorized in this Manual, or due to repair or modification to the product by any party other than Meikyo Electric Co., LTD. and its authorized representatives.
6. Meikyo Electric Co., LTD. shall not be held liable for any trouble due to installation of an optional device other than one specified by Meikyo Electric Co., LTD.

Rebooter RPC-M5C-EA

Detailed Manual User's Manual – Detailed Version
April, 2019 Ver. 1.1b