Installation Guide / Manual (MPC-852)

MPC

Important Notes:

All products are thoroughly inspected and fully tested operational in factory.
We accept no liability whatsoever for any losses due to improper operation, or any unauthorized alternation.
All trademarks contained in this installation guide are the property of their respective owners.

Application

Motor / Power Control (MPC) is an electronic controller that can be used to control a motorized screen, projector lift, curtains or any other electrical motor powered equipments capable of bi-directional movements. The MPC can also be configured as a power trigger device to switch on/off the power supply of any A/V equipments, (e.g. Projectors, Amplifiers, DVD Players) Lights or Down lights, etc.

Remaco MPC-852 come with network capability for control over IP address.

** Remarks: When switching between channels 1 to 2 or vice versa, you may notice there is 3seconds delay. This feature is built intentionally to protect and prolong life span of MPC-852
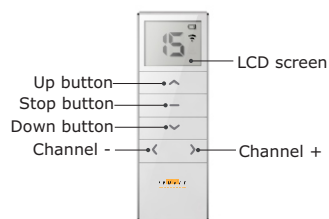
MPC-852 Motor/Power Control

MPC-852 Front View

MPC-852 PCB

Specifications

Voltage AC (Volts)	230Vac 50/60Hz
Power	2200 Watts
Frequency	433MHz
Sensitivity Range	35 metres
Temperature (Celsius)	-20°C to +70°C
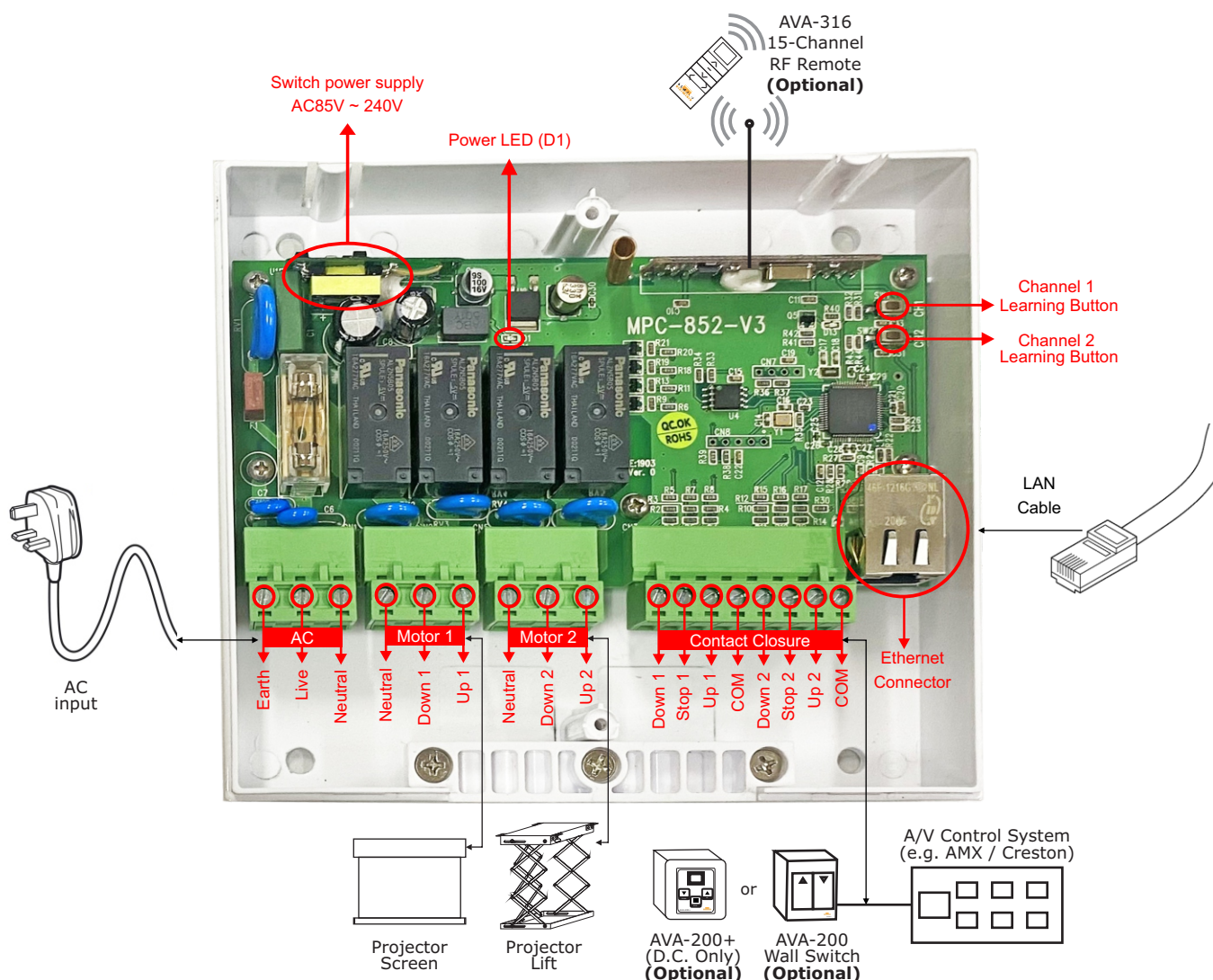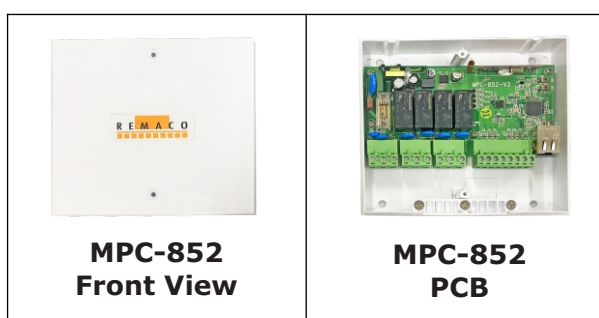
MPC-852 compatible with AVA-316 15-Channel Radio Frequency Remote

Up button — ^
Stop button — —
Down button — v
Channel - — < > — Channel +
LCD screen

AVA-316-RF 15Ch

Setting Number of Channels Used AVA-316 15-Channel RF Remote

Press Channel '<' & '>' together

The screen will display C

Press Channel '<' & '>' together

The screen will display 15

Select the number of channel required
Example '2' by pressing '<' or '>'

Or

Stop X1

The screen will display 0

OK
Setting is OK
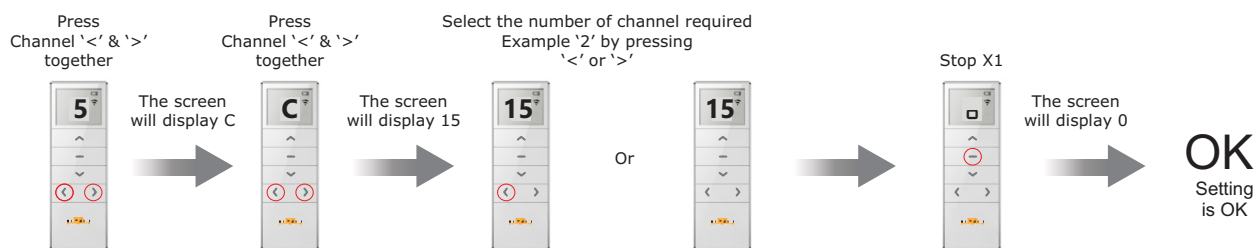
Pairing MPC-852 with AVA-316-RF 15 Ch

1. Connect motors and power to MPC according to diagram.

2. Switch on power supply.

3. Press and hold the learning button, do not release. Motor will step-move up and down

4. Wait for LED to start flashing, and then release holding the learning button.

5. To pair motor 1, set the channel at the AVA-316 RF remote to "1".

6. Press the "UP" button. Motor 1 will step-move up and down. LED stops flashing. AVA-316 RF remote CH1 is now paired with motor 1.

7. To pair motor 2, repeat above step 1 to 6

** If nothing is pressed within 20 seconds, motor will revert back to working mode automatically with a step move up and down.

Details action and observation:

Connect motors and power to MPC according to diagram. → Switch on power supply → Press and hold the learning button, do not release. → Motor will step-move up and down →

Press the "UP" button ← Set AVA-316 RF remote to CH "1" ← Release holding the learning button ← LED starts flashing ←

Motor will step-move up and down → LED stops flashing → AVA-316 RF remote CH "1" is now paired with motor 1
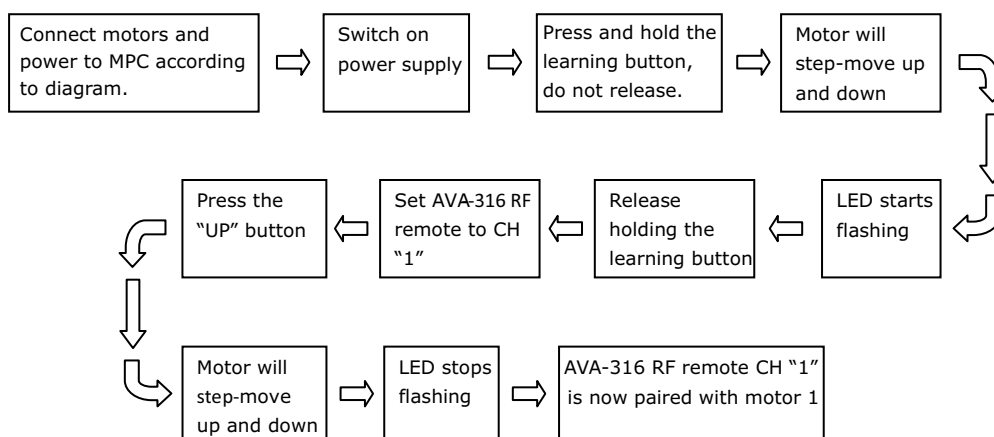
Connecting to Network IP

- Connect MPC-852 to the local Ethernet connection
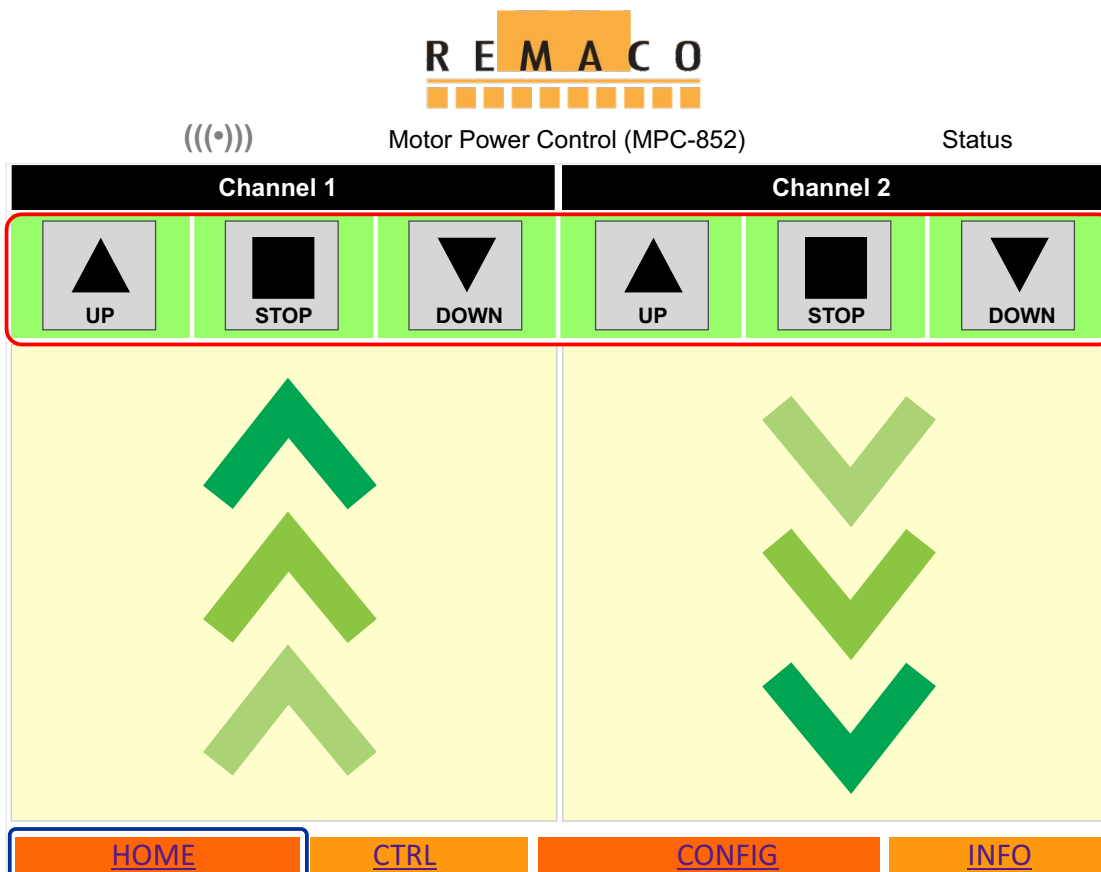- Connect PC or Laptop or Mobile to LAN or WiFi.

Must be connected to the same network.

- Go to browser (Google Chrome recommended)
- Type in the initial IP Address is 192.168.1.200
- Login Details

    User name: admin

    Password: mpc852

HOME Page

Button Control:
- UP
- STOP
- DOWN

CTRL Page

Control By HTML Form Processing using "GET" Method

REMACO

Control By HTML Form Processing using "GET" Method

To control screen simply enter form-data commands using
"GET" method in the browser address bar after
question mark (?). Memory Space limit to 80 bytes.

Alternatively, append below show pre-configured page for
controlling of up/stop/down of both channels. Corresponding
form-data commands shown on browser address bar of
the activated action.

MPC Channel 1 State: [Stop ▾]

MPC Channel 2 State: [Stop ▾]

[Active]

| HOME | CTRL | CONFIG | INFO |

REMACO

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MPC Channel 2 State: [Stop ▾]
Stop
Up
Down

[Active]

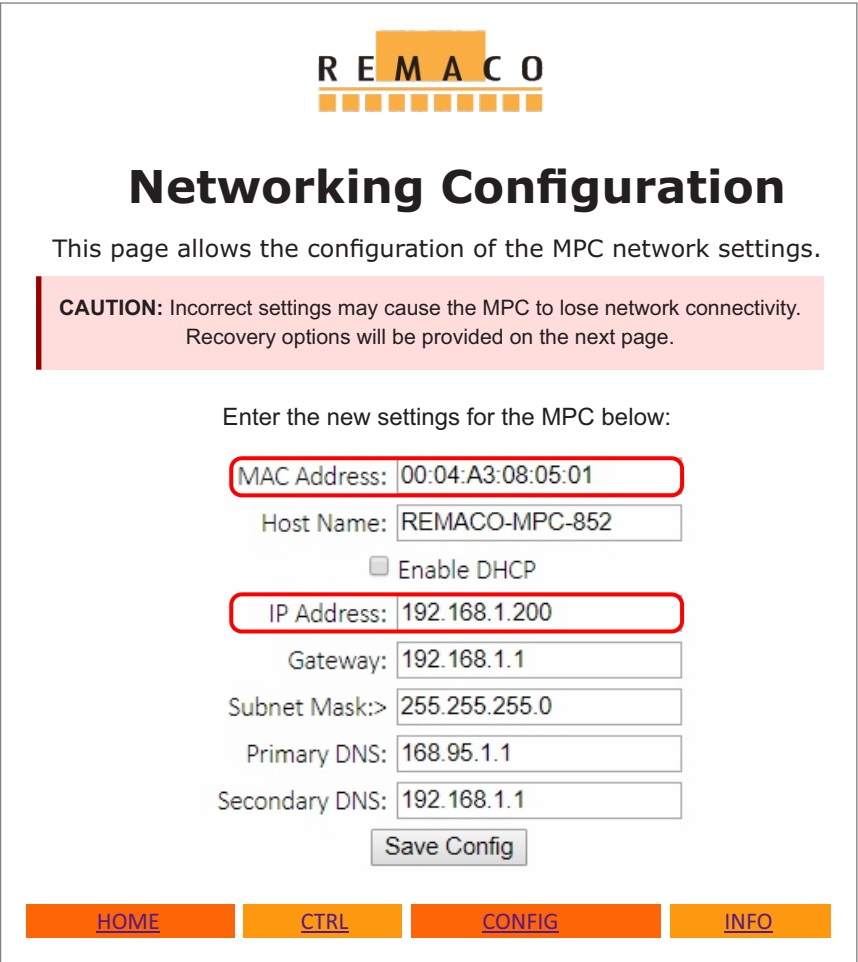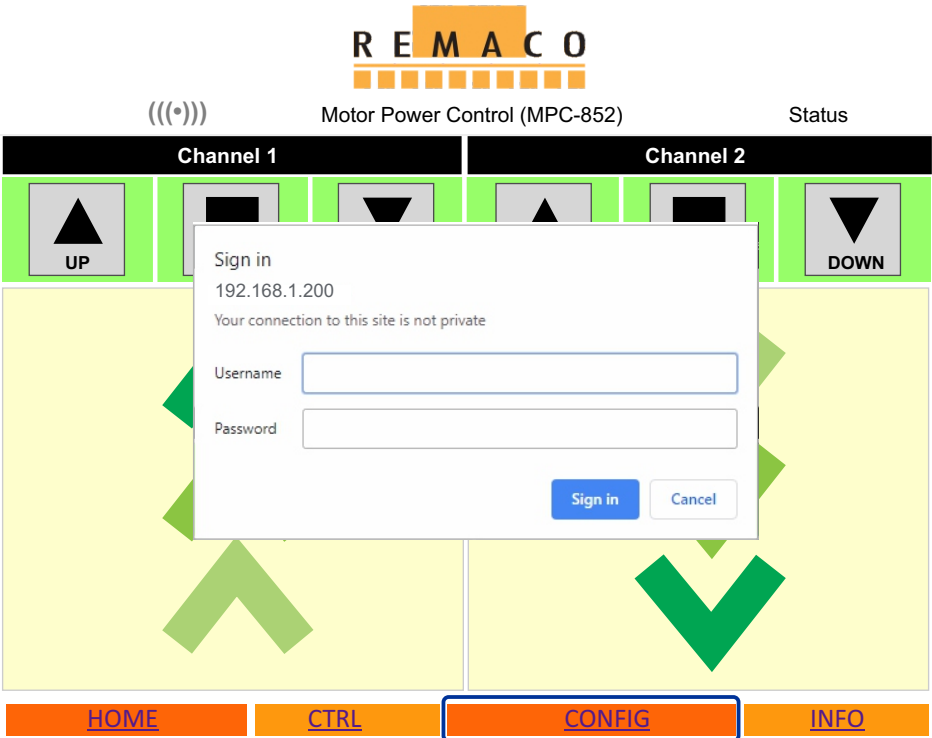| HOME | CTRL | CONFIG | INFO |

CONFIG Page

Enter the user name and password.

User name: admin

Password: mpc852

REMACO

Networking Configuration

This page allows the configuration of the MPC network settings.

CAUTION: Incorrect settings may cause the MPC to lose network connectivity. Recovery options will be provided on the next page.

Enter the new settings for the MPC below:

MAC Address: 00:04:A3:08:05:01
Host Name: REMACO-MPC-852
☐ Enable DHCP
IP Address: 192.168.1.200
Gateway: 192.168.1.1
Subnet Mask:> 255.255.255.0
Primary DNS: 168.95.1.1
Secondary DNS: 192.168.1.1

Save Config

| HOME | CTRL | CONFIG | INFO |

When modifying the IP or MAC Address or select "Enable DHCP", it will show the page as below. Follow these steps to fix the connection issues.

REMACO

Reboot in Progress...

Your settings were successfully saved, and the MPC is now rebooting to configure itself with the new settings.

Your MPC is now located at: http://REMACO_MPC/

Reconnection Instructions

1. Did you change the hostname, IP or MAC address?
It is necessary to clear the address caches in your web browser and OS From the command prompt in Windows, enter "nbtstat-R" to clear the hostname cache, close your current web browser, open new web browser, and then try to access the web address above.

2. Did you try the IP Address
Try accessing the MPC directly at the IP address for your setting before. (ex:enter "http://192.168.1.97/" into your browser). If this fails then the IP address you set is not reachable. Try the step below.

3. Still not working?
You can restore default settings by clearing the MPC EEPROM. Turn off MPC Power. Hold Stop and Down buttons and turn On MPC Power. Continue holding stop+down buttons and turn On MPC Power. Release the buttons. This procedure restore the default configuration settings. You'll be able to access the board as you did when first connecting.

| HOME | CTRL | CONFIG | INFO |

Once the Radio Frequency Remote is paired, the remote IDs will appear in the "RF ID Record" boxes. MPC memory is able to store up to **four** RF ID records per channel.