

# Installation Guide / Manual ( MPC-851 )

MPC

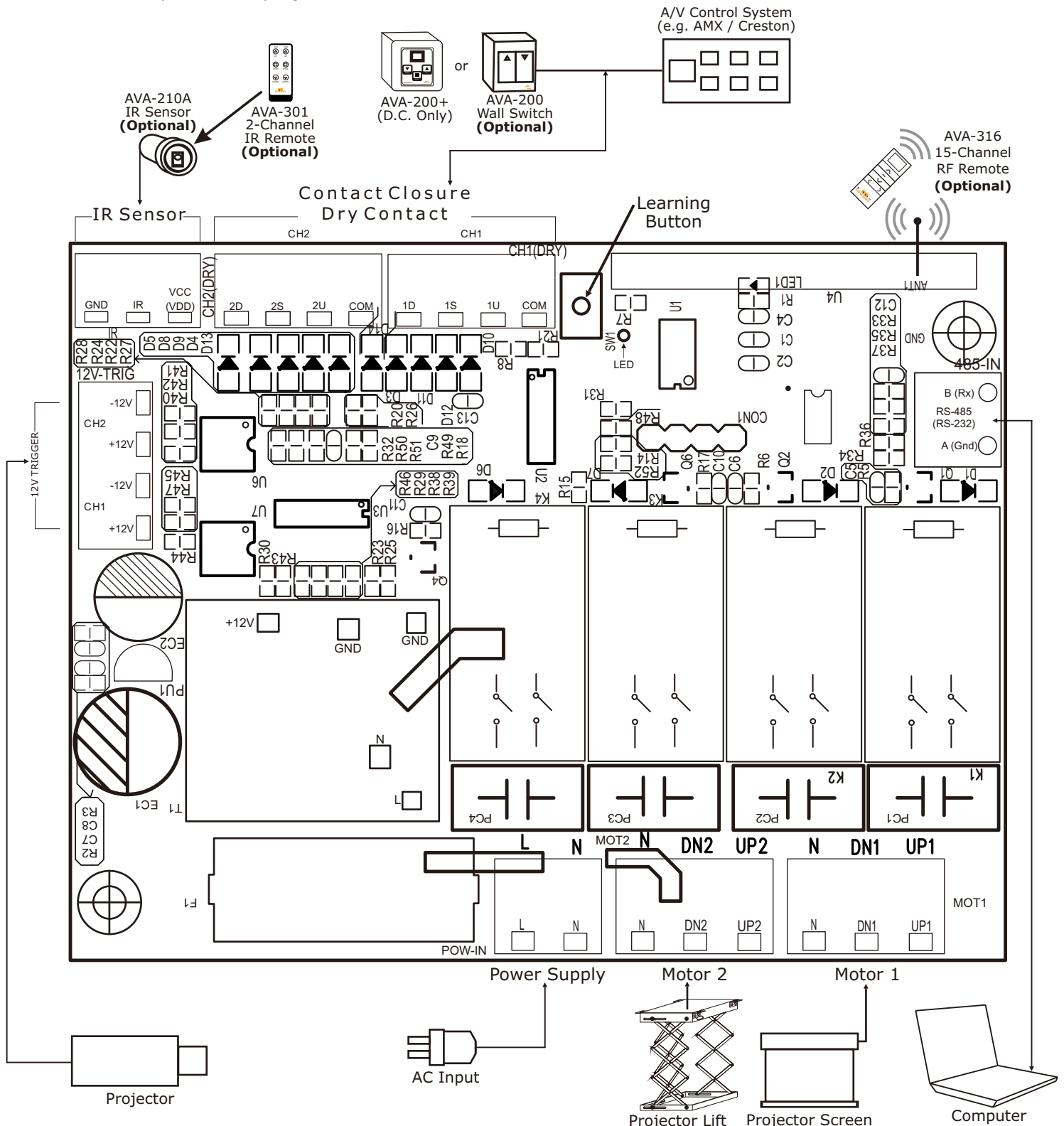
**Important Notes:**

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**

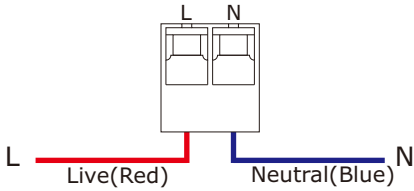
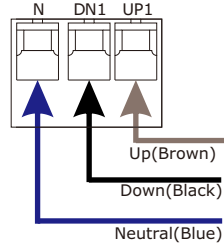
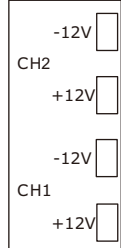
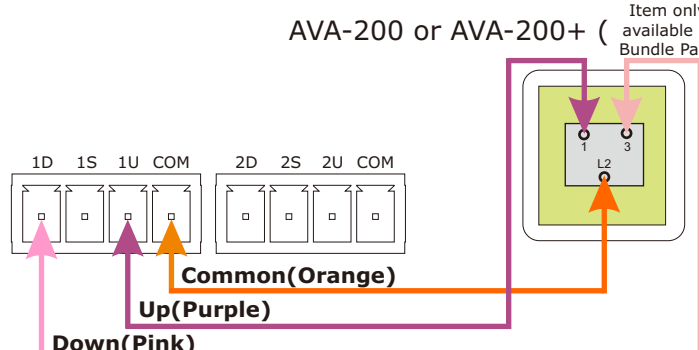
Motor / Power Control, MPC, is an electronic controller that can be used to control a motorized screen, projector lift, curtains or any other electrical motor powered equipments capable of bi-directional movements. The MPC can also be configured as a power trigger device to switch on/off the power supply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

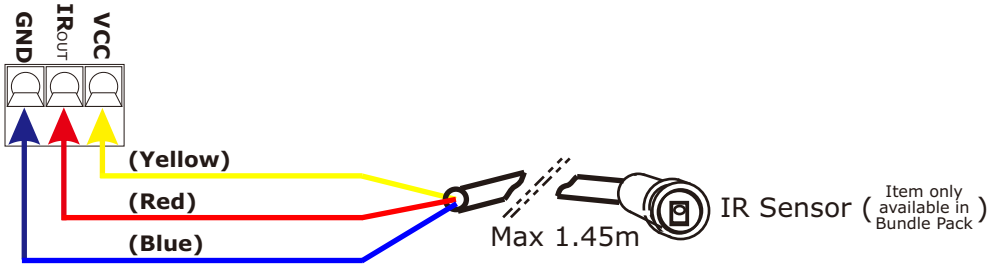
It can also be used with LCD/DLP Projectors, as an interface to trigger screen Up/Down movements through a 12V DC output from a projector.



## Setting up

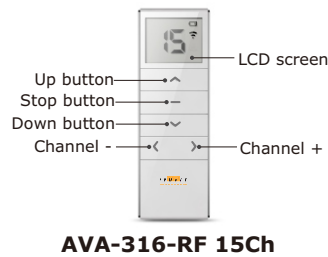
Identify the different connectors by their colours and labels. It is important to know the connectors and their functions, as a wrong connection may cause damage to the device.

Connector	Application
Power	<p>For connection to a 230V power source</p> 
Controlled Equipments	<p>For connection to up to 2 electrical motor powered equipments capable of bi-directional movements.</p> 
12V Projector Trigger	<p>For use by projector to trigger motorized screen up/down, connect 12V trigger cable to below MPC port.</p> 
Contact Closure (Dry Contact)	<p>For control by an A/V control system (e.g. AMX or Creston) or a Spring Loaded Wall Switch (Remaco AVA-200 OR AVA-200+)</p> <p>* For this zero voltage Contact Closure, any DC voltage exceeding 3V might damage the MPC</p> <p>* Works on momentary contact closure only. (Dry contact, normally open)</p> <p>AVA-200 or AVA-200+ ( <small>Item only available in Bundle Pack</small> )</p> 

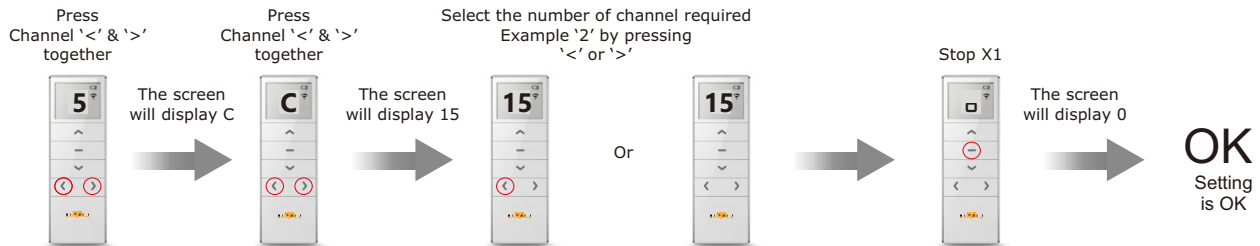
Connector	Application
IR Sensor	<p>For connection to an IR Sensor</p> <p>- To be used in conjunction with a remote controller for controlling of equipments</p> <p>* Maximum cable length between IR Sensor and MPC is up to 1.45m.</p> 

**OPTION**

**MPC-851 compatible with AVA-316 15-Channel Radio Frequency Remote**



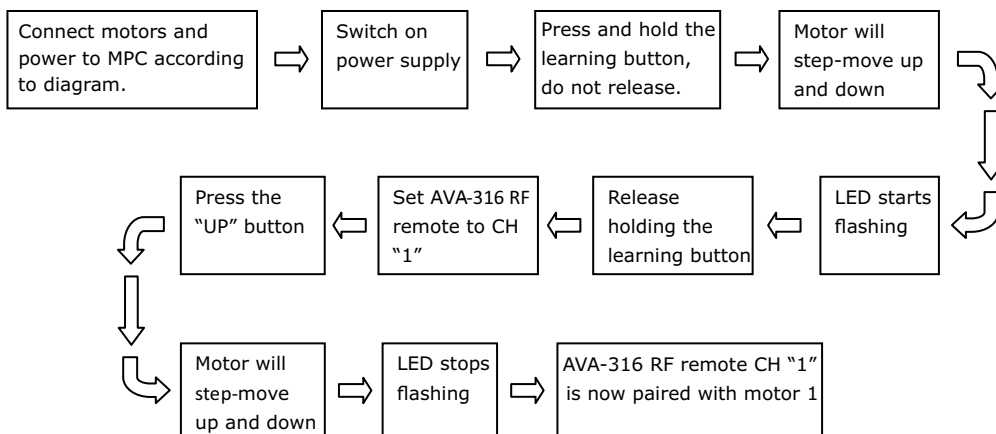
**Setting Number of Channels Used AVA-316 15-Channel RF Remote**



**Pairing MPC-851 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:**



**End**