

Thank you for purchasing this Unity Point Controller. This unit will independently control up to 8 point motors or 16 with the addition of the slave unit. This instruction sheet covers the use and connections of both units. Please read this instruction sheet carefully before use. This instruction supersedes all others.

WARNING: When making any connection, make sure everything is turned off prior to connection. Failure to do so could damage the unit. This unit is for indoor use only and is only suitable for those aged 14 years and over.

Contents

GMC-PCU100

1x Master Control Unit
1x Power Supply & 4 Attachments
8x Connection Plugs
1x 2.1mm Adapter
1x Master-to-Slave Connection Cable
1x Set of Numbers 1-33

GMC-PCU101

1x Slave Control Unit
8x Connection Plugs
1x Master-to-Slave Connection Cable
1x Set of Numbers 1-33

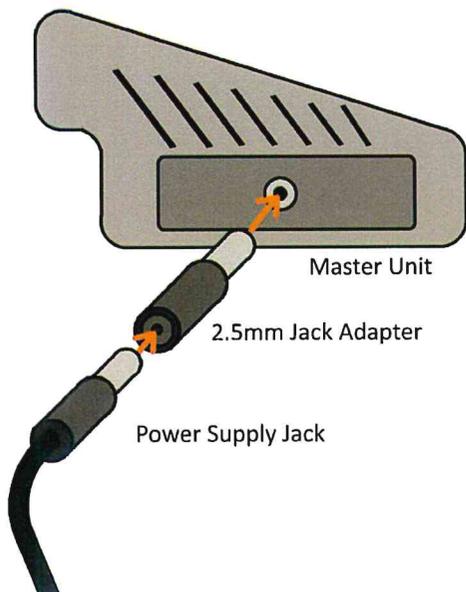
The power supply provided with the Master Control Unit is designed for this unit only and we do not recommend the use of any other power supply. The power supply provides an output of 18v DC at 1.6amps.

Setting Up The Units

The GMC-PCU100 and GMC-PCU101 units are designed to work together. You may connect one slave unit to every master unit you own, but any more than that isn't recommended.

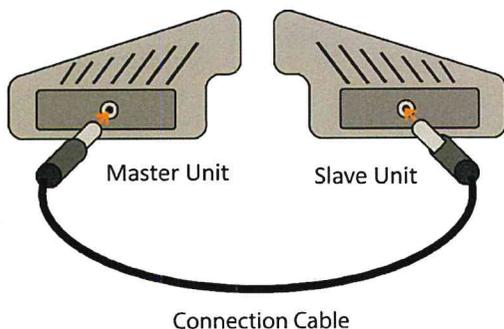
Each Master Control Unit is supplied with its own power supply which needs to be connected via the 2.5 mm adapter provided. See Diagram 1.

Diagram 1



Slave Control Units use the supplied connection cable to connect them to the Master Control Unit. This cable can be plugged in either way round as it is not polarity dependant. See Diagram 2.

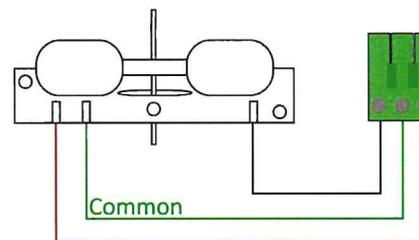
Diagram 2



Connecting The Motors

Before you begin connecting point motors to either unit or the power supply to the Master Control Unit, please make sure everything is disconnected from the mains supply.

This unit is supplied with 8 green plugs that push into the back of the unit. These plugs have screw terminal outputs in which you can place your wires before tightening the screws. The centre is the common and the outer two are the left and right channels for your motor. Simply connect your wires into these terminals observing the correct sequence.



- Connect the three wires from your motor to the green plugs.
- The diagram here is an example. Wiring colours vary between manufactures so always check before connecting.
- In this diagram the green wire represents the common wire.

Each output is fitted with its own capacitor to allow you a clean and positive throw.

PLEASE NOTE: Although multiple motors can be connected to each output, we recommend only one motor is connected to each for a reliable throw.

Operating The Units

Make sure your power supply is connected and powered on. To power up the units, press the power button on each unit, starting with the master. You should see the switch illuminate once the unit is on.

You can then use the buttons on the corresponding channels to switch your points between their two positions. The top row of buttons lights red, the bottom green. We suggest you wire your points to reflect the situation where the unit lights green when the point is set straight, and red when set to the curve, but this is ultimately down to user preference. The LEDs will be illuminated reflecting the current status of the point.

Numbering The Switches

We have included a set of metal numbers with each unit. These allow you to number your channels. They can be removed from the fret and glued in place in the grooves provided above the switches. Deluxe Materials AD-44 Rokat Max would be perfect for this.

Warranty

We undertake to replace, free of charge, any parts found defective within 2 years from the date of purchase - providing the item has not been tampered with and parts are available for such a repair.

The warranty covers only the cost and supply of replacements parts, labour cost for fitting and repair, and the cost of returning the unit to the customer or retailer. This warranty does not affect your statutory rights. We reserve the right to amend this warranty and vary the design or specification of this product without notice. Neither the control units nor power supply have any user serviceable parts.