

Rev 6 - Aug 2014

## DIAMOND TRANSPORT POWER BASE USERS MANUAL

<b>INPUTS:</b>	<b>100 - 120 VAC or 200 -240 VAC SWITCHABLE</b>
<b>TRANSPORT OUTPUT:</b>	<b>12 VDC @ 7.5 A</b>
<b>CONTROL FEATURES:</b>	<b>12 V REMOTE POWER ON/OFF OPTIONAL FRONT PANEL REMOTE CONTROL AND BUTTON</b>

**WARNING: PLUG THE DIN CABLE IN FIRMLY  
TO GET A GOOD CONNECTION!**



Diamond Transport Power Base with 8 transformers.

## TRANSPORT POWER SUPPLIES

This Power Base provides regulated, clean DC power to MSB transports only.

This product can also be used to power any MSB transport, including Data CD or UMT.

## VOLTAGE CONVERSION AND CHANGING FUSES

The Power Base detects the input voltage and switches for 120 V or 240 V operation.

Two fuses are provided:

\* 5A 250V - 5 mm x 20 mm miniature fuse is the main fuse.

\* 100mA 250V - 5 mm x 20 mm miniature fuse is for the standby supply.

These fuses are to protect the product in the case of internal failure. These fuses should not blow during unusual power surges or disturbances. To check the fuses, remove the cover and examine.

## 12 VOLT REMOTE TRIGGER

This power supply is equipped with a remote trigger for use with other MSB products. The trigger uses a headphone jack. When any MSB product is turned off, the other products connected will also turn off and vice-versa. The connector is wired as shown. If you connect "signal" to "ground", all MSB products will turn off. If you connect "signal" to "12 V", all MSB products will turn on.

## POWER INDICATOR

The switch on the back of the unit turns the output power on and off. The switch will show green when powered on, and red when off. If the remote trigger is used to turn on or off the unit, the switch may be in the wrong position but the color will indicate it is being controlled by another source as shown in the table.

## TROUBLESHOOTING

**Switch is Amber** - unplug remote trigger and test.

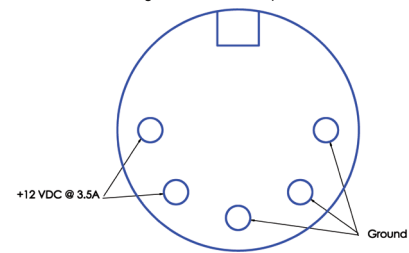
**MSB product not on but switch green** - Check cable. Plugged in all the way?

## WARRANTY

All MSB products carry a one year warranty in the country of origin. No returns accepted without an RMA. Upon receipt, MSB will repair or replace any defective product. All product shipped FOB Watsonville. Shipping and shipping damage is the responsibility of the consignee.

**Note: Push connector firmly in with a 2 step process.**

View looking at connector on back panel. Not the end of the cable



5 pin DIN 12 V Transport Supply

If the signal is pulled low:  
Unit will turn off.

If the signal is pulled down with a 50K resistor:  
Unit will go to standby.

If the signal is left floating:  
Unit will remain on.

If the signal is driven with 12 V:  
Unit will turn on and switch will be ignored.

12V Power

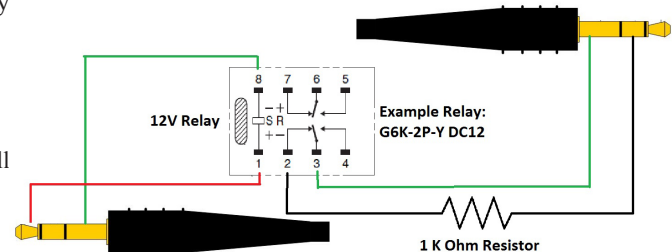
Signal

Ground



12 Volt Remote Trigger wiring.

To the MSB Power Base



Non-MSB interface  
12v = On  
Open = Off

Adapter cable for connection to non-MSB Products

### Power Supply LED Color Table

Green: The unit is on and operating

Amber: The switch for the unit is on, but the 12V trigger has turned it off, OR, the switch for the unit is on, but the protection has shut it off because of overheating or over voltage.

Red: The switch is in the Off position.

Off: The switch for the unit is off but the 12 V trigger has turned the unit on, overriding the switch, OR, there is no power due to a blown fuse or no power connection.

Primary 5 pin DIN Digital Supply for UMT plus

Optional second 5 pin DIN 12 V Transport Supply for better isolation.

