

EvacU^{Elite} Distribution CPU Card

1. Description

The main Distribution CPU Card (DCPU) **always consumes** Rack 1 Slot 0. Rack 1 is referred to as the **Primary** Rack Frame (Rack 1 is fitted closest to the PSU). When more than 1 rack is fitted a DCPU Card is installed into every Rack Frame in slot 0.

The addition of secondary rack frames means that each rack is fitted with a 6350-DCPU Card respectively. This duplicates the extra features shown below as well as introducing 16 extra slots of expansion capacity / per rack. For example:

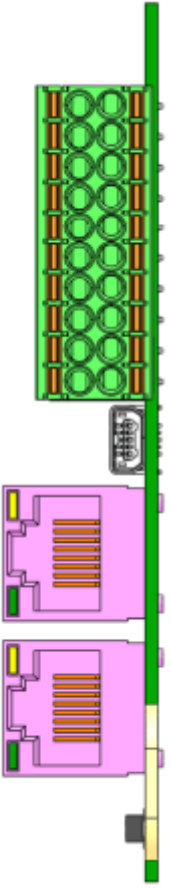
- 2 more background music sources can be introduced
- 2 inputs
- 3 outputs for each extra rack.

This is useful when the quantity of BGM sources exceeds >2.

2. Connections

The drawings provided outline the various features and connections available on each DCPU Card fitted.

DCPU Card Illustrated Below:



Front elevation detailing the DCPU card connection options

BGM 1 HOT	1	2	BGM 2 HOT
BGM 1 COLD	3	4	BGM 2 COLD
BGM 1 SHIELD	5	6	BGM 2 SHIELD
INPUT 1	7	8	INPUT 1 (REF)
INPUT 2	9	10	INPUT 2 (REF)
RELAY 1-1 (NO)	11	12	RELAY 1-2 (NC)
RELAY 1-1 (COM)	13	14	RELAY 1-2 (COM)
RELAY 2 (NO)	15	16	RELAY 3 (NC)
RELAY 2 (COM)	17	18	RELAY 3 (COM)
RELAY 2 (NC)	19	20	RELAY 3 (NC)

Mini USB Connector (Used for loading in system configuration & application)

RJ45 1 provides the network connection to the GUI

RJ45-2 Redundant connection to the GUI

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Audio 1 & 2	Analog line level audio input (hot, cold and shield), 10kΩ impedance, max input +4dBu
Input 1 & 2	Supervised input, selectable EOL, common reference.
Relay 1	Double pole, single throw (1 x NO, 1 x NC, 2 x COM)
Relay 2 & 3	Single pole, double throw (COM, NO, NC)
Mini USB	<i>Not available for field connection</i>
RJ45 1	<i>Not available for field connection</i>
RJ45-2	<i>Not available for field connection</i>

3. Installation

- a. Turn power OFF to the Universal Rack. Use the **EWCIE Power Switch** on the Primary PSU.
- b. Observing anti-static precautions install the DCPU Cards within the panel racks into slot 0.
- c. The DCPU configuration will need to be configured in the system to provide functionality*.
- d. Fit the appropriate internal cables Eg. DCPU RJ45 1 to GUI Cat 5.
- e. Fit all the cards into the universal rack slots correctly as per the configuration slot positions.
- f. Fit the rack cover plates which prevent dislodgement of all cards in the rack.
- g. Turn power ON to the Universal Rack. Use the **EWCIE Power Switch** on the Primary PSU.
- h. If you are fitting a Network system, please use the 6350-DCPU + **Network Card** manual.

For Item C Please refer to the **Programming Manual** MAN3142