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:

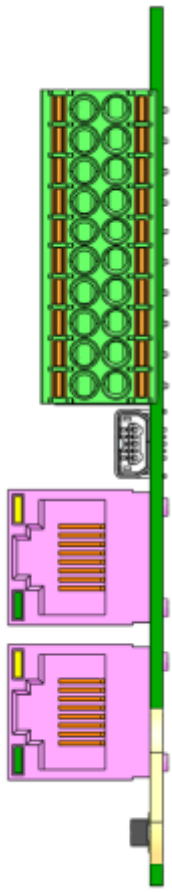
- 2 more background music sources can be introduced
- 2 inputs
- 3 outputs for each extra rack.

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 (NO)
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

EvacU^{Elite} Distribution CPU Card

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	*Not available for field connection*
RJ45 1	*Not available for field connection*
RJ45-2	*Not available for field connection*

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