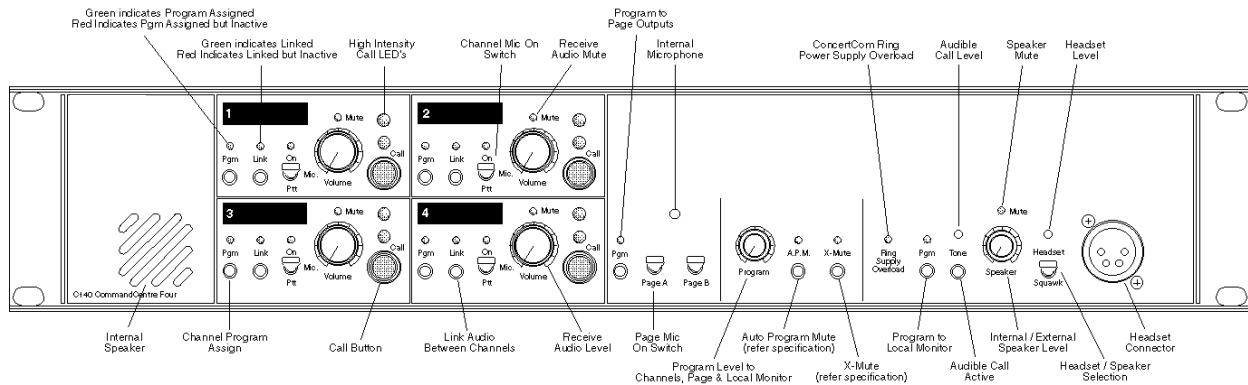


ConcertCom Fast Facts



C140 CommandCentre



The Creative Audio C140 is a processor controlled loudspeaking four ring master station. The C140 has 4 rings and is housed in a 2ru case.

Full multi-ring design allows the segregation of groups of users that can be addressed individually or linked for common communication.

The communication input can be selected from front panel microphone or the rear panel mic/line input connector. A program input is provided which can be individually assigned to the operator or the selected intercom ring, and a separate Direct input allows access to the operators receive circuit only.

Two page outputs are provided each with individual APM facilities. Audible tone calling with level, headset/squawk selection, and individual headset and speaker volume controls are provided.

These units have a number of unique features including

- Auto Program Mute - If APM is selected on a Command Centre, the program input to that destination will mute when a corresponding mic is turned on, allowing other rings to continue receiving program while a conversation is taking place.
- X-Mute - With X-mute (pronounced cross mute) activated, receive audio from other rings is muted when a mic switch is on. This allows operator concentration on one conversation in multi ring systems.
- System Remote connector enabling input and output to and from each ring mic. and page mic. switch.
- System Extension connector providing access to the audio input, a clean feed audio output, and various control lines for the connection of various system extension units (eg C220 OrderWire Extension).
- Audible call facility standard on all loudspeaking units
- Automatic selection of full duplex or half-duplex operation on master units dependant on selection of headset and squawk modes of operation.

C140 Specifications

Transmit Source	Headset	Nominal Level -52dBu Input Impedance >1k Ω , suited to microphones <600 Ω 4 pin male AXR, unbalanced
	External Microphone, Line	Nominal Level Mic -57dBu, Line +4dBu Input Impedance >2k Ω 3 pin female AXR, balanced
	Internal Mic	Omnidirectional Electret with Automatic Level Control Acoustic Range 80dBA SPL to 125dBA SPL @300mm distant
Phantom Power	Headset	+/- 17V - internal resistor programmable
	External Microphone Input	+17V - internal link selectable
Monitor Inputs	Programme, Direct	Nominal Level +4dBu Input Impedance >20k Ω 3 pin female AXR, balanced
Outputs	Monitor	Nominal Level +4dBu Load Impedance >600 Ω 6.35mm TRS socket, balanced
	Page	Nominal Level +4dBu Load Impedance >600 Ω 3 pin male AXR, balanced
	External Speaker	Nominal Output Power 2W RMS Load Impedance 8 Ω
	Internal Speaker	Acoustic output 85dBA SPL, 700Hz tone, 1W RMS, 300mm distant
	Headset	Nominal Level 0dBu Load Impedance >200 Ω 4pin male AXR, unbalanced
Comms Rings	Number	Four
	Configuration	Industry standard three wire - ground, power, unbalanced signal, parallel male and female 3 pin AXR connectors per ring
	Signal	Send Level 0dBu behind 1k Ω Receive Level -37dBu to 0dBu Nominal Ring Termination Impedance 2.2k Ω (rear panel switch) Minimum Ring Impedance 18 Ω
	Power	Floating Common (AXR pin 1) Nominal Voltage 30V DC Maximum Current 1.8A
	Signalling	Two alternating flashing high intensity LEDs per ring, 1.6Hz flash rate, LEDs flash for 10 seconds after receipt of a call Switchable warning tone, 500Hz, sounds for 10 seconds after receipt of a call
Frequency Response	Comms Send Path	+0dB, -2dBu, 300Hz to 4kHz
	Other Paths	+0dB, -2dBu, 30Hz to 9kHz
Signal to Noise Ratio	Communications Rings	better than 50dB (400Hz to 22kHz)
	Other Paths	better than 65dB (22Hz to 22kHz)
THD and Noise	All Paths	better than 0.3%, 400Hz to 10kHz, 10dB above nominal
Inter-Ring Crosstalk		better than 60dB (300Hz to 4kHz)
Mute Depth		better than 60dB 30Hz to 15kHz
Power Supply		240VAC +/- 6%, 50Hz, 130VA, Fused IEC 320 connector
Dimensions		Suitable for mounting in an IEC297 standard 19" rack, 2RU, 482mm (W) x 88mm (H) x 250mm (D) overall
Weight		6.5kg
Finish		Black anodised aluminium front panel; Powder-coated rear panel; Screen Printed legends; Textured powder-coated cover.

Note 0dBu = 0.775VRMS, irrespective of circuit impedance. Towards the goal of product improvement, Creative Audio reserves the right to change specifications without notice.