

2X10 Touch 20-Key Touch Screen Desktop Panel

For Eclipse HX Matrix Systems

Linking
People
Together



2X10 Touch 20-Key Desktop Panel

Key Features and Benefits

- Shift key with 8 shift pages
- Assignable level control
- Loudspeaker/Mic CUT button
- 10-character color alpha-numeric displays
- Independent gain control per channel
- 2 In/2 Out GPI for foot switch
- Compatible with Eclipse HX® Delta, Median and Omega systems over 4-wire or IV Core to E-IPA-HX cards

Clear-Com's range of intercom systems are supported by an extensive range of versatile, high quality panels designed to offer operators flexibility and intuitive operation.

Description

The 20-key IP Desktop Touchscreen panel is a user control panel that allows subscribers to access the Clear-Com IP matrix systems. The panel has 20 touch keys, 10-character alpha-numeric displays, a gooseneck microphone, a headset connector, and a built-in speaker.

Operation

The 20 multi-action keys can be programmed to call another control panel, listen to and call an outside subscriber, receive and transmit on a radio system, answer and make phone calls, or with the dedicated reply key to reply to callers if a dedicated key is not programmed. The touchscreen panel features high-resolution 2.8in QVGA (320x240) color tech screens with intuitive operations similar to that of smartphones and tablets. The touchscreen design provides independent gain control for each channel, page shift and local assign functionality. "Listen Again" is also incorporated with user configurable voice capture and replay durations. The intuitive screen layout shows status information with Talk/Listen keys color coded for easy identification.

The "cut" switch is software programmable to act as either loudspeaker and/or microphone cut, or as a changeover to the headset. The "mode" switch provides quick access to listen modes and level controls. Modes can be assigned to the keys for even faster access.

IP Functionality

The panels can connect back via a LAN, managed WAN or Internet connection and into the E-IPA-HX panel interface card using the I.V. Core mode. The panels support DHCP or fixed IP addresses. Once connected, the panels provide a 7kHz audio and low data rate link back to the matrix which is managed and set up by the configuration software.

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2X10 Pin-outs

Headset - 4 Pin XLR Fixed Plug (Side Panel)	
Pin	Function
1	Mic In (Screen)
2	Mic In
3	Headset Ground
4	Headset Out

Headset - 5 Pin XLR Fixed Socket (Side Panel)	
Pin	Function
1	Mic In (Screen)
2	Mic In
3	Headset Ground
4	Headset Out (L)
5	Headset Out (R)

Audio I/O - D15 Fixed Socket		
Pin	Function	Notes
1	Auxiliary Mic In	Line level, unbalanced
2	+12V Out	Fused internally 500 mA
3	Clean Mic Out +	Lin level, balanced, pair with 11 - o/p is affected by the CUT switch
4	Ext CUT Input	Parallel function to front panel CUT Switch. Ground to activate
5	Chassis Ground	
6	LS Out Ground	Paired with pin 13
7	External Input to LS Amp -	Line level, balanced, pair with 14
8	Matrix Audio Input to Panel / Parallel Output	Line level, balanced, pair with 15
9	Ext CUT Output	Connect to external panel; pin 4 on this panel type
10	-12V Out	Fused internally 100 mA
11	Clean Mic Out -	Line level, balanced, pair with 3
12	Internal Ground	
13	LS Out +	Paired with pin 6
14	External Input to LS Amp +	Line level, balanced, pair with 7
15	Matrix Audio Input to Panel / Parallel Output +	Line level, balanced, pair with 8

GPI (Local logic in and out) - D9 Fixed Socket		
Pin	Function	Notes
1	Ground	
2	Logic Input 1	
3	Logic Input 2	
4	Logic 2 Out Common	
5	Internal +5V (Out)	Protected with 0.5A thermal fuse & 1N4002 diode
6	Logic Output 1	
7	Logic 1 Out Common	
8	Logic Output 2	
9	Logic Input +VCC	NB Pin 9 may be driven by external voltage (With dropper resistor if greater than 5V), or by internal +5V via pin 5

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Technical Specifications

Touchscreen Keys

Desktop: 20 fully programmable
(8x20 more via shift function)

Display: 10 character touch zone per key

Suitable Headset: Dynamic or Electret microphone & low impedance earpiece

Microphone

180mm fixed gooseneck

Power

90-250 VAC, 50-60 Hz to a separate laptop style power supply

Panel is 12V DC powered

150mA @ 90V, 50mA @ 250V

Connectors

Matrix 4-Wire Connections (Clear-Com or Trilogy) & Ethernet: RJ45

Headset: XLR-4F or XLR-5M

Audio I/O: 15-pin, D type

GPI/O: 15-pin, D type

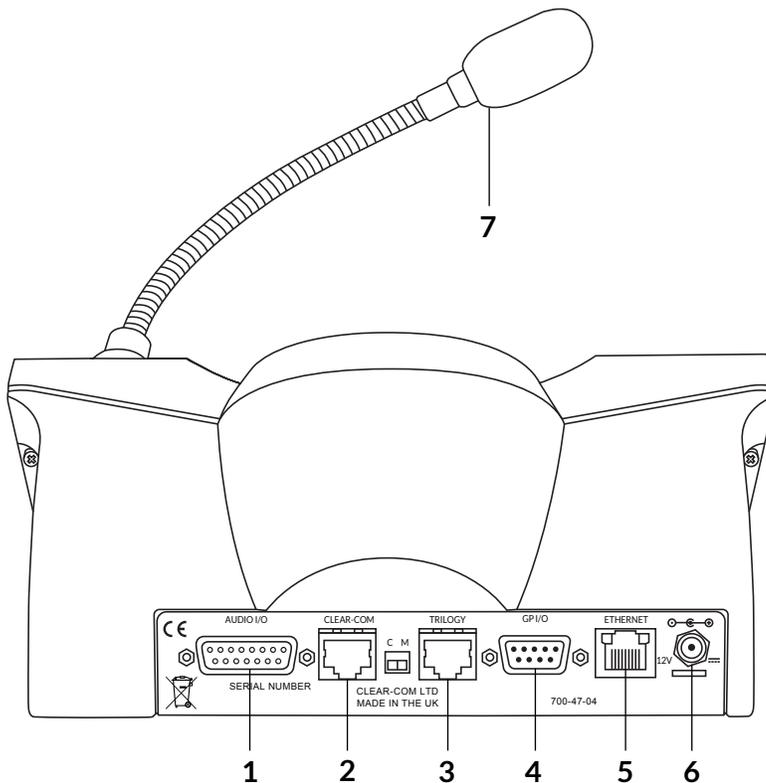
Dimensions

9 x 4.3 x 6.7in (WxHxD)

(230 x 110 x 170mm)

Weight

2.9lbs (1.3kg)



Legend

1. 15-pin Sub-D audio input/output
2. RJ45, 4-wire to Eclipse HX MXV-A16 card
3. RJ45, 4-wire to Trilogy Mercury Audio card
4. 9-pin Sub-D; General Purpose control I/O
5. RJ45 Ethernet connector to Eclipse HX E-IPA-HX or Trilogy Mercury IP cards
6. Locking DC power connector
7. Fixed Gooseneck microphone

Order Codes

700-47-04-X4M: 20-Button Touchscreen IP Desktop with XLR-4 headset connector

700-47-04-X5F: 20-button Touchscreen IP desktop with XLR-5 headset connector

700-47-51: Spare In-line AC PSU