

IED MODEL 1508RC-H**TOUCHSCREEN MICROPHONE STATION**

The 1508RC-H Touchscreen Mic Station provides the user control interface and microphone audio interface to the IED 3200 Digital Audio Processing System, specifically for Hotel Ballroom and Convention Center applications. It can interface to the head end or local system node. The 1508RC-H provides a simple paging interface for Ballroom and Convention audio paging.

A rugged 4-gang steel faceplate is provided that will stand up to the rigors of everyday hotel and convention center use. The 1508RC-H is easy to install and mounts to either the IED Model 500FBB Flush Mount Back Box, or 500SBB Surface Mount Back Box.

The 1508RC-H is another IED product using the Cresnet data/power network. This network powers not only the 1508RC-H, but also the IED 1000RC Touchscreen Remote Controllers and their accompanying IED 4000RCM Remote Controlled Mixers.

The IED Touchscreen Mic Stations are typically provided with black and white touchscreen, but can be available with color touchscreen for an additional charge. These devices provide a practical yet elegant solution to Hotel Ballroom and Convention Center audio paging. Welcome to the new era in audio communications, from the industry leaders at IED!



SPECIFICATIONS

MECHANICAL:

1. Display Type	
Black and White	Passive Grayscale LCD Matrix
Illumination	White LED Backlight
Color	Passive Color LCD Matrix
Illumination	Fluorescent Backlight
2. Touchscreen Dimensions	3.8" / 9.7 cm diagonal
3. 1508RC Overall Dimensions (4-gang version)	9.2" W x 5.65" H x 1.25" D
4. Touchscreen Resolution	240 X 320 pixels
5. Enclosures	
Flush Mount	500FBB
Surface Mount.	500SBB
6. Cresnet™ Communications.	(1) 4-wire Mini Phoenix Connector
7. Power Requirement	
Black and White	24 VDC, 125 mA network power
Color	24 VDC, 170 mA network power
8. Cresnet™ Power Factor	
Black and White	4 Watts
Color	4 Watts
9. Memory for Display	
Size	768 kB
Type	Flash

ELECTRICAL:

1. Gain, normal	19 dB
2. Total Harmonic Distortion, THD	<.05%
Normal Setup, input = -15 dBu, f = 200 Hz - 20 kHz, 30 kHz low pass filter	
3. Frequency Response.	-1, +0.1 dB
20 Hz - 20 kHz, no filters	
4. Signal to Noise Ratio (S/N)	>75 dB
20 Hz to 20 kHz, referred to +4 dBu output, $R_L \geq 600 \Omega$	
5. Input Impedance	50 k Ω
6. Maximum Input	+8 dBu
7. Compression Threshold, normal setup	-14.5 dBu
8. Attack Time	1.5 ms
9. Release Time	
40 dB Input Drop	15 sec.
10 dB Input Drop.	3 sec.
10. Compression Ratio	6:1
11. Output Impedance.	<1 Ω
12. Maximum Output Capability	+24 dBu
Without compression, $R_L \geq 600 \Omega$	
13. Normal Output	+5 dBu
10 dB into compression, $R_L \geq 600 \Omega$	

Preliminary specifications, subject to change.

Innovative Electronic Designs, LLC • 9701 Taylorsville Road • Louisville, Kentucky 40299 • USA
Phone: (502) 267-7436 • Fax: (502) 267-9070 • Internet: <http://www.iedaudio.com>