

## MODEL / CX250.2D 2CH AMPLIFIER

2 Channel Amplifier

### POWER OUTPUT STEREO / 4 CHANNEL

- 2 X 150 WRMS into 4 ohms @ 14.4 Vdc
- 2 X 250 WRMS into 2 ohms @ 14.4 Vdc

### BRIDGED MONO - 1 CHANNEL

- 1 X 500 WRMS into 4 ohms @ 14.4 Vdc
- Frequency Response - 20-20,000 +/- 3dB THD < 0.5%
- THD + N (10% Rated Power): 0.1%
- Product Dimensions (Inches / Millimeters):  
7.6 x 4.0 x 1.4 in / 193 x 103 x 36 mm

**500 W RMS / 1000 W MAX**



### POWER SUPPLY

Voltage:	8 - 16 VDC
Idling current:	1.32 A
Switched off:	<2 mA
Consumption @ 14.4 VDC 2Ω Max Musical Power (without CPL):	30 A
Remote IN	7 ± 15 VDC (1 mA)
Fuse	30 A
DC Offset (Senses DC offset for Turn on/off)	Hi-Level Input (speaker)
VOX (Signal Sensing Turn on/off)	Hi or Lo Level Input (speaker/RCA)
REM (Switched 12V on/off)	Switched 12V turns the amplifier on

### AMPLIFIER STAGE

Distortion - THD @ 1 kHz, 4 Ω, 90% Output Power:	0.10 %
Bandwidth @ -3 dB, 2 V RMS, 4Ω:	10 ± 20k Hz
S/N ratio @ A weighted, 2V, Output Power:	91 dBA
Damping factor @ 1 kHz, 2 V RMS, 4Ω:	>200
Input sensitivity:	1 - 15 V RMS
Input impedance:	15k Ω
LOAD IMPEDANCE (MIN):	
• 2 Ch: 1-2	2Ω
• 1 Ch: Bridge (1-2)	4Ω
MAX POWER	500 W
OUTPUT POWER (RMS) @ 12.5 VDC, 1% THD	
• 2 Ch @ 4Ω:	132 W x 2
• 2 Ch @ 2Ω:	218 W x 2
• 1 Ch - (Bridge 1/2) @ 4Ω:	435 W x 2
OUTPUT POWER (RMS) @ 14.4 VDC, 10% THD	
• 2 Ch @ 4Ω:	150 W x 2
• 2 Ch @ 2Ω:	250 W x 2
• 1 Ch - (Bridge 1/2) @ 4Ω:	500 W x 1

### CEA SPECIFICATIONS

Output power @ 4Ω, ≤1% THD+N, 14.4 V:	150 W x 2
S/N ratio (ref. 1 W output):	75 dBA

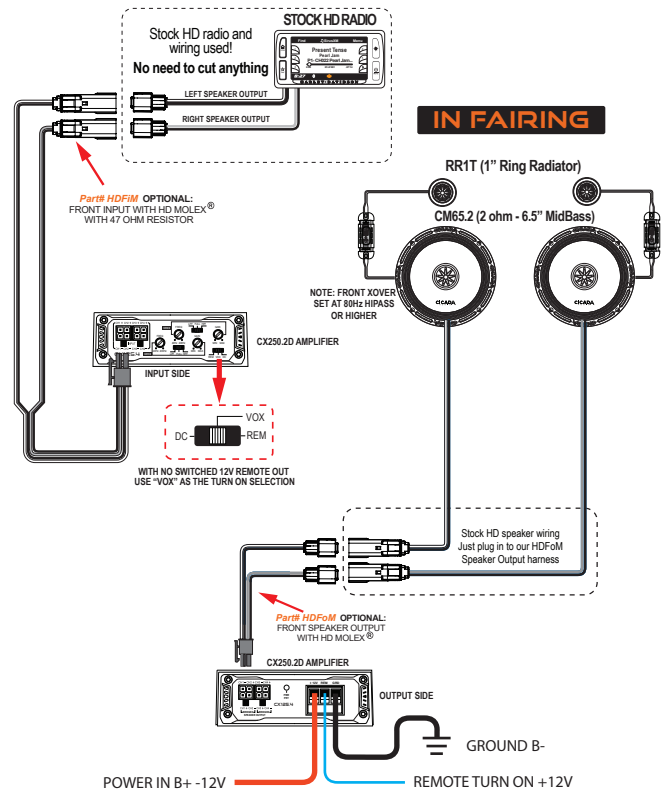
### SIGNAL CONNECTIONS

Input Stage:	2 channels in Both High and Low Input
Input Voltage Range:	0.2 Vac - 15Vac

### SIZE / WEIGHT

Max size (in/mm.):	7.6 x 4.0 x 1.4 in / 193 x 103 x 36 mm
Weight (kg/lb):	1.36 / 2.99

### TYPICAL SYSTEM DESIGN



**“We manufacture the BEST in Motorcycle Audio...PERIOD!”**