



# Compact Disc Mixer/Receiver

# ACR-60/120

## Features

- 60W (ACR-60) or 120W (ACR-120) of Output Power into 4Ω or 70V/100V Loads
- Four Mixable Inputs: Three Balanced Mics and One Aux, plus Tuner and Compact Disc
- Digital AM/FM Tuner with 30-Station Preset Memory
- Three-Disc Magazine-Type CD Changer with 24 Track Memory
- Voice-Activated Priority Muting via Mic1
- Four-Tone Manual Pre-Page Chime
- Bass and Treble Tone Controls
- Pre-Amp Out (Post-Tone-Controls) for External Signal Processing
- Power Amp Input (Normalized) for Patch of External Signals
- Two-Zone Speaker Selector Buttons



## Description

The ACR-60/120 are monaural compact disc mixer receivers, with 60W and 120W RMS output power, respectively. They offer a three-disc CD changer, a digital AM/FM tuner, one auxiliary input and three balanced mic inputs. All sources are mixable, with individual gain controls. The Voice-Activated Priority function on Mic1 input mutes all other channels with an adjustable muting level. Separate bass and treble controls allow  $\pm 12$ dB adjustment and a four-note chime button provides a pleasant pre-page tone. The CD changer features 24-track memory and a magazine-type mechanism. The AM/FM LCD digital tuner offers manual or station-seek up/down tuning. A direct access 30-station memory offers 18 FM and 12 AM presets. The amplifier output has auto-resetting thermal protection circuitry and a four-second power-up output delay for speaker protection. Indication of protection circuit activation, seven-step amplifier output levels and AC power is provided by front-panel LEDs. Speaker outputs are provided for either low impedance 4Ω loads or switch-selectable 70V/100V high impedance loads. Two front-panel speaker zone switches are supplied for high-impedance loads. The ACR-60/120 are 100-120VAC or 220-240VAC 50/60Hz powered, and come packaged in shelf-mount enclosures.

## Technical Specifications

ELECTRICAL	ACR-60	ACR-120
Rated Output (RMS)	60W	120W
Output Impedance	4Ω, 70V or 100V	
Input Sensitivity /Impedance		
MIC 1-3	1mV/600Ω	
AUX	350mV/10kΩ	
AMP IN	1V/10kΩ	
Frequency Response (+1/-3dB)		
MIC 1-3	100Hz - 12kHz	
AUX	60Hz - 15kHz	
AMP IN	60Hz - 18kHz	
THD	<1%	
Signal-to-Noise Ratio		
MIC 1-3	>60dB	
AUX	>75dB	
Tone Control		
Bass (100Hz)	$\pm 12$ dB	
Treble (10KHz)	$\pm 12$ dB	
Tuner		
Tuning Range	FM:87.5-108MHz, AM:522-1620kHz	
CD		
Type	Magazine-Type 3-CD Changer	
Frequency Response (+1/-3dB)	20Hz - 20kHz	
THD	<1%	
<b>GENERAL</b>		
Power Source	100-120VAC or 220-240VAC 50/60Hz	
Power Consumption	85W	120W
Weight	34.8lbs. 13kg	38.8lbs. 14.5kg
Dimensions (W x H x D)	16.5" x 5.25" x 12.6" 420mm x 132mm x 320mm	

# ACR-60/120 Architects and Engineers Specifications

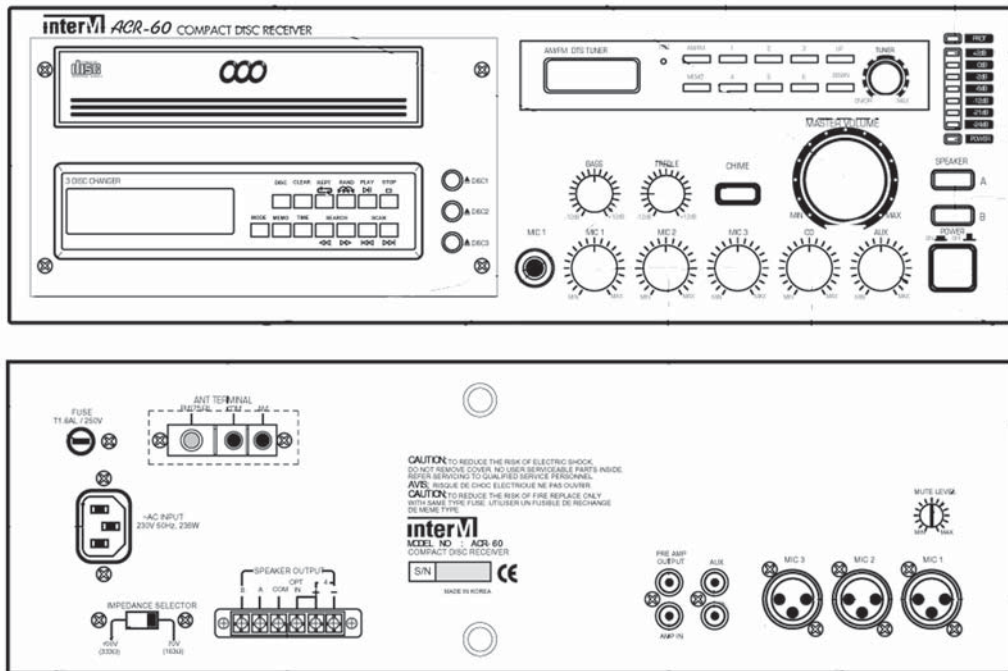
The compact disc mixer/receiver shall be a monaural amplifier capable of 60W(ACR-60) or 120W(ACR-120) RMS output. A three-disc CD changer shall provide 24 track memory and a magazine-type mechanism. A digital AM/FM tuner shall offer 18 FM and 12 AM station preset memories and manual or station-seeking up/down tuning. Inputs shall be provided for three microphones and one line level source. Mic1 shall feature automatic voice-activated muting of all other channels. The muting level shall be adjustable. All sources shall be fully mixable, with individual gain controls for each channel. A master volume control shall regulate total amplifier output. Bass and treble controls shall provide 12dB boost or cut at 100Hz and 10kHz. A front-panel chime button shall provide a four-tone signal for pre-announcement applications.

The chime shall mute all channels except Mic1. Line level pre-amp output (post-tone controls and pre-master) and power amp input jacks (the latter normalized for a plug to break the internal pre-amp signal input to the amp) shall provide for bridging or connection of external signal processing equipment. Amplifier protection shall be provided to protect against over-temperature and over-current conditions. Amplifier output shall be disconnected for four seconds upon power-up for speaker protection. Front panel LEDs shall indicate amplifier output from -24dB to +2dB, as well as protection circuit activation and power on indication. Two outputs for 70V/100V speaker zones shall be provided and selected by front panel switches. The amplifier section shall meet the following performance criteria: power output shall be 60W(ACR-60) or 120W(ACR-120) RMS; total harmonic distortion shall be less than 1% at rated output at 1kHz; frequency response shall be 60Hz to 18kHz; and signal-to-noise ratio shall exceed 75dB.

Input sensitivity and impedance shall be 1mV@10kΩ for Mic 1-3 and 350mV@10kΩ for auxiliary. The compact disc changer shall meet the following performance criteria: frequency response shall be 20Hz to 20kHz and total harmonic distortion shall be less than 1%. The tuner shall meet the following performance criteria: sensitivity shall be 2μV for FM and 12μV for AM; signal-to-noise ratio shall exceed 60dB for FM and 50dB for AM; and total harmonic distortion shall be less than 2% for both FM and AM. The compact disc mixer/receiver shall measure 16.5”(420mm) wide x 5.25”(132mm) high x 12.6”(320mm) deep, and shall be shelf mounting. The power source shall be 100-120VAC or 220-240VAC 50/60Hz (depending on country requirements). The power shall be controlled from a front-panel push-on/push-off switch, and indicated with a front-panel LED.

The compact disc mixer/receiver shall be an Inter-M model ACR-60 or ACR-120.

## ACR-60/120 Front and Rear Views



Inter-M Americas, Inc. • 1 E. Beacon Light Lane • Chester, PA 19013  
 Tel: 610-874-8870 • Fax: 610-874-8890 • E-mail: info@inter-m.net  
 Website: www.inter-m.net

Inter-M Corp. (Korea) • 653-5 Banghak-Dong • Dobong-Ku • Seoul • Korea  
 Tel: 82-2-2289-8140~8 • Fax: 82-2-2289-8149 • E-mail: export@inter-m.com  
 Website: www.inter-m.com