Avionics Innovations

AICD-III

AM/FM CD Player

AICD III

AVIONICS INNOVATIONS

▶ FAA/PMA Approved
▶ Aux. MP3 Input
▶ Aux. Satellite Radio or
   8-Disc Changer Input

AICD-III

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Breaking The Sound Barrier

North America Specifications	P/N 14001- 40
FM Stereo Radio Frequency Range: 87.9 MHz -107.9 MHz	
AM Radio Frequency Range: 530 kHz - 1710 kHz	

International Specifications	P/N 14001- 41
General AM (MW) Frequency: 531 kHz - 1 602 kHz	
AM (LW) Frequency: 153 kHz - 279 kHz	
FM Stereo Radio Frequency Range: 87.5 MHz -108 MHz	

Common Specifications North American & International

CD Player	
Sampling Frequency: 8x Oversampling	
DA Converter: 1 Bit DAC System	
Pick-up Type: Astigma 3-beam	
Light source: Semiconductor laser	
Wave length: 790 nm	
Frequency Response: 20 Hz - 20 kHz (±1 dB)	
Signal-to-noise Ratio: 96 dB	
Total Harmonic Distortion: 0.01 % (1 kHz)	
Wow & Flutter: Below measurable limits	

AUX Input (MP3 Or Portable Device)	
Input Impedance: 10 k Ohms	
Allowable External input: 2.0 V	

Audio	
Frequency Response: 20 Hz to 20 kHz	
Line-Out Signal Level: 4.5 V Max	

Power	
Power Source: 11-33 VDC	
Ground System: Negative	

14 Volt Systems	
Maximum Continuous: 650 ma	
CD Operation (Momentary): 1.2 Amps	

28 Volt Systems	
Maximum Continuous: 375 ma	
CD Operation (Momentary): 700 ma	
Keep Alive (Memory): 10 ma	
Dimensions: 9.25" x 6.25" x 2"	
Weight: 3.5 lbs.	

The AICD-III AM/FM stereo tuner CD/MP3/WMA player comes complete with installation tray, connector kit, and manuals.

- Auxiliary MP3 Player Input
- Connects To 8-Disc CD Changer or Sirius Satellite Receiver
- Auto Station Preset
- 24 Station Presets
- Automatic Frequency Store
- Seek Up/Down Tuning
- Electronically Controlled Volume/Bass/Treble/Balance
- 8 Times Oversampling
- Anti-shock Floating Mechanism
- CD Repeat & Random Play
- CD Forward/Back Track Selection
- Plays MP3/WMA files

All Avionics Innovations products are tested to DO-160 environmental test requirements and are FAA/PMA approved. All AI products are built with additional EMI/RFI shielding to prevent interference with the operations of communication, navigation and radar systems.

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