

Features

- **Dual Full-Logic-Controlled Auto Reverse Mono Cassette Deck**
- **High-Speed Synchro Dubbing**
- **Three Playback Modes:**
 - **Single-Side Play**
 - **Two-Side Auto-Reverse Play**
 - **Two-Side Continuous Play**
- **Relay Playback Off/On Switch to Allow Cycling of the Selected Playback Mode Between Decks**
- **Three Outputs: Mono Variable, Mono Fixed and Headphones**
- **Automatic Music Search (AMS) and Blank-Skip Functions**
- **Record Input (Deck-A) 1/4" Phone Jack with Record Level Adjustment**
- **Low Wow and Flutter (< 0.12%)**
- **Rugged, Reliable Transport Mechanism**

Description

The DC-5102 is a mono, full-featured, dual cassette deck designed for permanent installation in commercial Sound system applications. Both decks feature logic-controlled, auto reverse mechanisms, with Deck A offering record/playback capabilities. Full recording flexibility is assured with direct input recording as well as two B-A dubbing modes. A level control sets the direct input recording levels, which are indicated on the LED level meter. Two dubbing modes are selectable, normal and high speed, with high speed offering 1.5 times faster recording while a record mute button inserts four seconds of blank recording when desired. Three Playback modes are switch-selectable: single-side play, two-side auto reverse play, and two-side continuous play. A separate relay playback setting cycles the selected playback mode between decks, offering single-side and auto-reverse playback from each deck, and in continuous play mode providing full tape playback cycling repeatedly from deck to deck. Automatic Music Search (AMS) allows rapid cueing of playback selections, and a blank skip feature automatically advances to the next selection after 10 seconds of blank tape. Input and output connections are made with 1/4" phone jacks, with a balanced input and three mono outputs: fixed (-10dBV), variable and headphones. The DC-5102 may be powered by 100-120VAC or 220-240VAC 50/60Hz (depending on country requirements) and/or 24VDC, enabling its use as part of a portable PA system, or connection to a standby power supply for emergency operation. The unit is packaged in a 5.25" (3RU) rack-mount enclosure.



Technical Specifications

ELECTRICAL	DC - 5102
Type	Mono double full logic cassette deck
Track System	4 track, 2 channel ; mono playback (Deck A) and Recording / playback (Deck B)
Recording System	AC bias system – Frequency : 105KHz
Erase System	AC system
Tape Speed	4.76cm/sec (7.14cm/sec High speed Dubbing)
Wow and Flutter	Less than 0.2% (WRMS)
Frequency Response	125Hz – 8KHz
S/N	(REC/PB) 45dB
Recommended Service Period for Cassette Module	2000 hours
Recording Input / Impedance	300mV / 47kohm balanced
Output Level Impedance	300mV / 12kohm Mono
Power Consumption	22W
Weight (kg/lbs)	4.3Kg / 9.4lb
Dimensions (mm) (WxHxD) (inch)	482(W) X 132(H) X 280(D) 19(W) X 5.2(H) X 11(D)

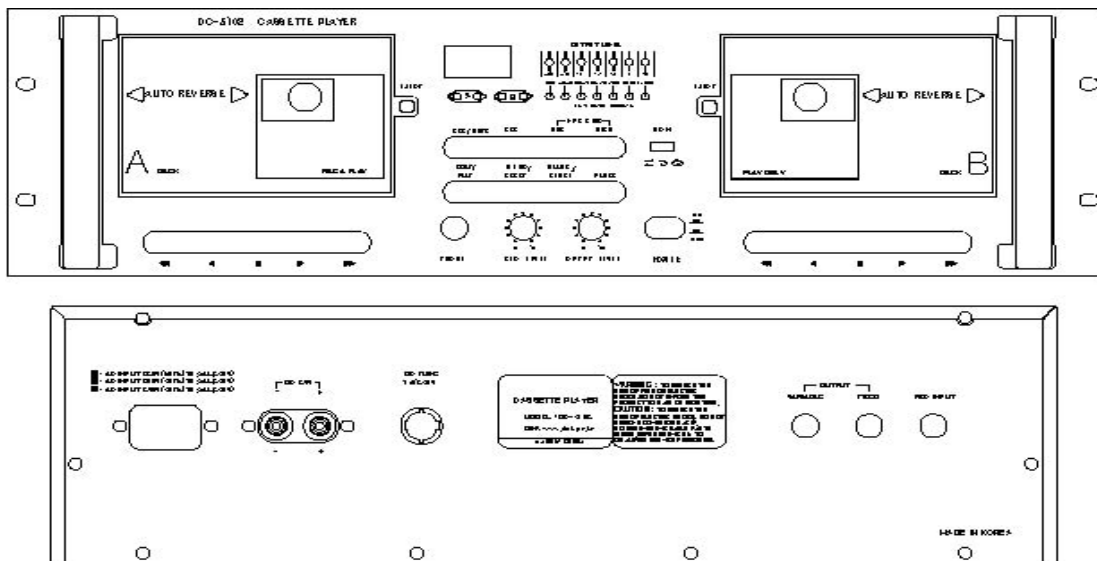
DC-5102 Architects and Engineers Specifications

The dual cassette deck shall incorporate two full logic controlled, auto-reverse mono cassette decks, Deck A with record/playback and Deck B with playback capabilities. Recording shall be by direct nput or synchro dubbing from Deck B to Deck A. Dubbing speeds shall be selectable from normal (1x) to high speed (1.5x). Direct input recording levels shall be set by a front panel level control. Playback mode shall allow three selections: one side playback, two-side auto reverse playback and continuous playback. A separate relay playback setting, if enabled, shall cycle the selected playback mode from deck to deck, and in continuous playback mode repeatedly cycle full tape playback between decks.

An automatic music search (AMS) feature shall allow one button cueing to advance/reverse to the next program selection, and a button-selectable blank skip mode shall automatically advance to the next program material following 10 seconds of blank program. A memory stop feature shall be button-selectable and stop the tape in fast forward or fast-reverse modes when the counter reaches "000." A record-mute button shall insert four seconds of blank signal when pressed during recording. The record input shall be balanced, and both fixed (-10 dBV) and variable outputs shall be provided. A headphone output shall be provided on the front panel, and the output shall be adjusted by the variable output level control. Input and output connections shall be by 1/4" phone jack.

The dual cassette deck shall meet the following performance criteria: Frequency response (-20dB recording, normal tape) shall be from 125Hz to 8kHz \pm 3dB; wow and flutter shall be less than 0.2% (WRMS); and signal-to-noise ratio shall exceed 45dB. The dual cassette deck shall measure 19" (483mm) wide x 5.25" (132mm) high x 11" (280mm) deep, and shall rack mount. The power source shall be auto-switching between AC and 24VDC, with the AC power source selectable between 100-120VAC or 220-240VAC 50/60Hz (depending on country requirements). The power shall be controlled from a front-panel mounted push-on/push-off switch with an integral power LED.

Front and Rear Views



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