

HALCRO dm8 preamplifier with remote control

Specifications and features

INPUTS

- 3 RCA Unbalanced Voltage Mode
- 3 XLR Balanced Voltage Mode
- 1 RCA Current Mode

Any 5 of the above I/Ps are user programmable to respond to the device names; CD, Tuner, Tape, Aux1, Aux2

OUTPUTS

- 2 Pair RCA Unbalanced Voltage Mode, Bridgeable
- 2 Pair XLR Balanced Voltage Mode, Bridgeable
- 2 Pair RCA Current Mode; 1 pair for un-bridged connection, the other pair used in bridged mode
- 1 Pair RCA Tape output
- 6-pin XLR power ON/OFF, both pulsed and level output control

POWER SUPPLY

Switch-mode, >200kHz CW, 4th order mains filter, 4th order supply rail filter. Fully complies with EMC and CE standards. Circuit contains extensive mains transient protection and fault sensing protection. 85-240VAC, 50-60Hz

POWER CONSUMPTION .

100W max via IEC input

MAINS VOLTAGE .

All voltages from 85VAC through to 240VAC at 40Hz through to 200Hz or 120V through to 340V D.C. (Power supply will operate up to 270VAC but IEC sockets rated up to 240V by regulatory authorities.)

CONTROLS

On/Standby:

Front Panel:
1 x Push Button
Remote Control:
1 x Push Button

Volume:

Front Panel:
Optical Rotary Encoder with Halcro Flux Detent
Remote Control:
2 x Push Buttons

Input Select.

Front Panel:
Optical Rotary Encoder with Halcro Flux Detent
Remote Control:
5 x Push Buttons

Balance:

Front Panel:
2 x Push Buttons
Remote Control:
Function Key,
2 x Push Buttons

Mute:

Front Panel:
1 x Push Button
Remote Control:
1 x Push Button

Phase:

Front Panel:
1 x Push Button
Remote Control:
Function Key,
1 x Push Button

Input Program:

Rear Panel:
7 x Push Buttons

Toggle Display Backlight On/Off

Remote Control:
Function Key,
1 x Push Button

Display:

Backlit LCD Displays L&R volume setting, source selected, selected input, and phase.

DIMENSIONS

Width: 448mm, 17.64 inches
Depth: 400mm, 15.74 inches
Height: 240mm, 9.44 inches
Weight: 22.5kg, 48lbs

REMOTE DIMENSIONS

Length: 183mm, 7.2 inches
Width: 50mm, 1.96 inches
Thickness: 24mm, .94 inches
Weight: 280gm, 0.6 lbs

SHIPPING DIMENSIONS

– Wooden case
Width: 585mm, 23 inches
Depth: 535mm, 21 inches
Height: 515mm, 20 inches
Weight: 36 kg, 81 lbs

SHIPPING DIMENSIONS

– Aluminium case
Width: 585mm, 23 inches
Depth: 535mm, 21 inches
Height: 390mm, 15.5 inches
Weight: 38 kg, 81 lbs

GAIN

Unbalanced and balanced -60dB to +20dB set by volume control

INPUT IMPEDANCE

- 10kohm + 10kohm balanced
- 10kohm unbalanced
- 50ohms for current mode.

OUTPUT IMPEDANCE

- 170 + 170ohms balanced and 170ohms unbalanced.

- > 30kohms current mode.
- 340ohms tape.

DISTORTION

Unmeasurable- below noise floor. At full specified output, < 250 parts per billion (-132dB) for balanced and un-balanced and current modes.

VOLUME CONTROL

+20dB to -60dB in 0.5dB steps.
-60dB to -63dB in 1dB steps.

PCB

4-layer PCBs for ultra high accuracy reference potentials.

COMPONENTS

Vishay 0.5% resistors and FKP1 1250V or MKP10 in critical audio signal paths.

INPUT PROGRAMMING

Each input may be assigned to a source. The assigned source is defined on the display and on the remote control. This is memorised and may be either reprogrammed or un-assigned. The programming is performed using the remote and a remote input receiver resides both on the front and rear panel for flexibility of implementation. The program status of each input is displayed on a LED associated with each input.

MEMORY

All volume gain settings for each programmed input (source) are remembered upon either power off or upon selection to a different input. Upon re-selection to each input, or upon power up, the previously remembered volume for each input is reinstated. This accommodates differing source outputs. For example, a modern CD player may have an output up to a few volts, whereas an older type of analogue tape recorder may only attain a few hundred millivolts. This memory feature thus will return the volume setting at the appropriate previously set value.

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