KADS-1

Controllable Active Powered Speaker

The KADS−1 is an active speaker with multi−channel, digital audio and power provided over a single cable. It is designed to be used in conjunction with the KADS−100 controller that can daisy−chain up to ninety−nine speakers. The KADS−1 has a single output that can be connected to either another KADS−1 or a KADS−2 up to 30m away with a total of eight speakers in the chain.

FEATURES

- High-Resolution Audio Support.
- Highly Flexible Layout Options - Up to 99 speakers (8 per branch). Additional branches/speakers require an optional power supply for each 8 speakers.
- Control - Via the KADS−100 controller.
- Speaker ID - Set unique ID on each speaker for control from KAD−100 Controller.
- USB - For firmware upgrades.
- Built-in 25 Watt Power Amplifier. - Power via KADS−100 controller for 8 speakers.
- Range - 30m (100') between speakers with a 240m (800') total system range without additional power supplies.

TECHNICAL SPECIFICATIONS

INPUTS:	1 TP on a 2−pin Molex connector.
OUTPUTS:	1 TP on a 2−pin Molex connector.
PORTS:	1 bidirectional RS−232 serial port on a 3−pin terminal block.
MAX. OUTPUT LEVEL:	Audio: 2.2V (KADS−2).
BANDWIDTH:	20−20kHz @–3dB.
S/N RATIO:	84dB unweighted.
COUPLING:	AC.
TND+N:	0.02% unweighted.
TOTAL GAIN:	Analog/analog: 0dB; analog/SPDIF: –12dBFS.
RS-232 BAUD RATE:	9600, 19200bps, full−duplex.
POWER CONSUMPTION:	24V DC, 190mA.
TRANSMISSION DISTANCE:	Up to 50m (164ft) on a single power supply.
OPERATING TEMPERATURE:	0° to +40°C (32° to 104°F).
STORAGE TEMPERATURE:	–40° to +70°C (–40° to 158°F).
HUMIDITY:	10% to 90%, RHL non−condensing.
DIMENSIONS:	12.1cm x 7.18cm x 2.48cm (4.76" x 2.83" x 0.98") W, D, H.
WEIGHT:	0.2kg (0.44lbs) approx.
SHIPPING WEIGHT:	0.68kg (1.5lbs) approx.
VIBRATION:	ISTA 1A in carton (International Safe Transit Association).
SAFETY REGULATORY COMPLIANCE:	CE, c−UL, UL.
EMI/EMC REGULATORY COMPLIANCE:	CE, C−tick, FCC Class A, ICES, KCC, VCCI.
ENVIRONMENTAL REGULATORY COMPLIANCE:	Complies with appropriate requirements of RoHs and WEEE.