

### Professional Series

#### Key Features:

- ▶ Molded, high impact enclosure with shielded magnet structure
- ▶ Bi-amplified for low distortion output
- ▶ Components:
  - 135 mm (5¼ in) low frequency transducer
  - 19 mm (¾ in) titanium dome tweeter
- ▶ Optional mounting hardware



The Control 1E is a high performance bi-amplified personal monitor loudspeaker with built-in bi-amplification. A 20-watt amplifier is dedicated to the low frequency section, and a 10-watt amplifier is dedicated to the high frequency section. Frequency division is ahead of the amplifiers, and the transducers are directly connected to the amplifiers for maximum power transfer and optimum damping.

The Control 1E can be driven from any low level (preamp out) or high level (loudspeaker) signal source with adjustment made by a high-low sensitivity switch. Volume and tone controls allow the level and frequency balance of the Control 1E to be adjusted for the purpose at hand.

There is an auxiliary line output for driving additional Control 1E units, and a pre/post gain control allows a single Control 1E to act as a master unit for a series of slave units, or for driving an added powered subwoofer channel.

Among the many uses of the Control 1E are: home theatre center and surround applications, computer audio monitoring, home studio near field monitoring, multimedia presentations, keyboard/guitar monitoring, and prepackaged component systems.

The Control 1E accepts the MTC-50 series of accessories, providing the user a wide range of mounting options.

#### Preliminary Specifications:

SYSTEM:	
Frequency Response (± 3 dB):	120 Hz to 20 kHz
Directivity Factor (Q) <sup>1</sup> :	2.8
Directivity Index (DI):	4.5 dB
Polarity:	Positive voltage to tip of input connector causes outward low frequency cone motion
Maximum Output:	104 dB SPL @ 1 meter
ELECTRICAL:	
Power Consumption:	
Quiescent:	15 watts
Full Output:	73 watts
Input Sensitivity:	
High Position:	210 millivolts, for maximum output
Low Position:	2.0 volts, for maximum output
THD Plus Noise (1 kHz, full output):	
LF:	0.1% @ 10 watts (-40 dB)
HF:	0.3% @ 5 watts (-30 dB)
Connections:	
Input:	6.6 mm (¼ in) tip, ring, sleeve balanced phone jack
Line Output:	6.6 mm (¼ in) unbalanced phone jack
AC Powering:	100 volts/50-60 Hz, 120 volts/60 Hz, 230 volts/50 Hz
GENERAL:	
Enclosure Material:	Polypropylene structural foam
Finish:	Black
Dimensions:	229 x 165 x 159 mm
H x W x D:	(9 x 6½ x 6¼ in)
Net Weight (each):	4.1 kg (9 lb)
Shipping Weight (each):	4.5 kg (10 lb)
ACCESSORIES:	
MTC-51 Wall Mount Bracket:	Allows the Control 5 to be mounted to any rigid vertical surface with a unique polymer ball and clamp design. In addition to omnidirectional movement about the ball, the speaker's connecting wires may be run internal to the clamp.
MTC-52 Ceiling Mount Bracket:	The same as the MTC-51 except that it is designed to be mounted to a rigid ceiling surface. Optional colors.
MTC-53 Rack Mount Bracket:	Allows the Control 5 to be mounted in a standard 19 inch EIA equipment rack, with accommodation for vertical adjustment.
MTC-54 Tripod Mounting Adapter:	Allows the Control 5 to be mounted to the JBL MT4612 aluminum tripod in either a vertical or horizontal position.
MTC-56 Wall Mount Bracket:	Low cost, fixed angle wall mount bracket with safety chain.
Note:	Accessory attachment points on rear of the enclosure are ¼ x 20 threaded brass bushings.

<sup>1</sup>Averaged from 500 Hz to 2.5 kHz