Technical Manual

**Beta 40**

**ACOUSTIC & ELECTRICAL SPECIFICATIONS:**
- **Nominal Impedance** 8Ω
- **Max Amp Power** 200 watts*
- **Frequency Response**
  - 45Hz – 20kHz (±3dB)
  - 40Hz – 40kHz (–6dB)
- **Sensitivity** 91dB (2.83V @ 1 meter)
- **Crossover Frequencies**
  - 600Hz, 3.2kHz; 12dB/Octave woofer;
  - 18dB/Octave mid/twt

**SYSTEM COMPONENTS:**
- **Cabinet** Beta 40 (Not for Sale)
- **Grille Black** (for BLK) 352001-003
  - **Grille Gray** (for BE & CH) 352001-004
- **Low-Frequency Transducer** Dual 6-1/2" (165mm) CMMD,™
  - **Magnetically shielded** 351506-001
  - **DC Resistance** 7.9 ohms ±10%
- **Mid-Frequency Transducer** 5" (130mm) CMMD,™
  - **Magnetically shielded** 338568-001
  - **DC Resistance** 4.4 ohms ±10%
- **High-Frequency Transducer** 1" (25mm) CMMD,™
  - **Magnetically shielded** 351572-001
  - **DC Resistance** 3.5 ohms ±10%
- **Crossover Network** 352141-001

**AURAL SWEEP TEST SPECIFICATIONS:**
- **System Aural Sweep Test** 6.0V Input 40Hz to 20kHz
- **L.F. Aural Sweep Test** 5.0V Input 40Hz to 1kHz
- **M.F. Aural Sweep Test** 4.0V Input 500Hz to 4kHz
- **H.F. Aural Sweep Test** 2.83V Input 3kHz to 20kHz

**PHYSICAL SPECIFICATIONS:**
- **Dimensions** 37" x 9-13/16" x 13-1/8"
  - (H x W x D) (950mm x 250mm x 333mm)
- **Weight** 50.2 lb (22.8kg) Each

**WARRANTY:**
- Refer to Warranty Statement packed with each product.

*The maximum recommended amplifier power rating will ensure proper system headroom to allow for occasional peaks. We do not recommend sustained operation at these maximum power levels.*

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**Beta 40**

**Beta 40 WIRING DIAGRAM**

**Beta 40 SCHEMATIC**

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Infinity Systems, 250 Crossways Park Drive, Woodbury, New York 11797

Rev 1 8/04
## TO SERVICE THE BETA 40

Remove the grille.

1. Tweeter/Midrange: Remove the (2) rubber grille retainers on the mid/twt faceplate; this can be accomplished by carefully pulling them out of their cavities with long-nosed pliers or similar tool.
2. Remove the (2) Phillips screws that are now exposed.
3. Remove the (4) remaining Hex screws on the front faceplate.
4. Carefully separate the front faceplate, with tweeter attached, from the cabinet.
5. Woofer: Remove (4) trim ring screws; remove trim ring. Remove (8) remaining woofer screws.