



# 8124 & 8128 4" (100 mm) & 8" (200 mm) Full-Range, In-Ceiling Loudspeakers

## Professional Series

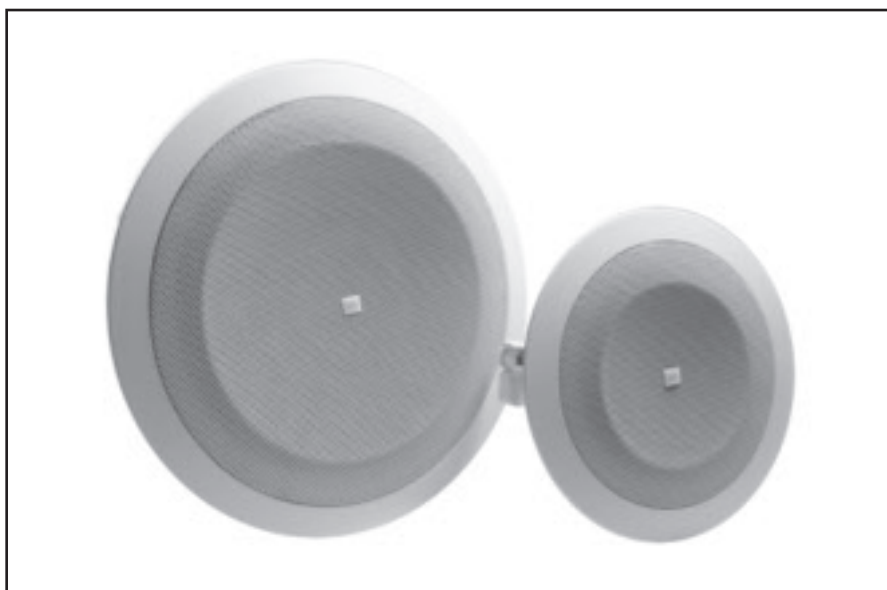
### Key Features:

- ▶ Clear, High-Fidelity Performance
- ▶ 6W Transformer for use on 70V / 100V Distributed Lines
- ▶ Dog-Ears for Easy Blind Mount Installations
- ▶ High Sensitivity for Maximum Power Efficiency
- ▶ Open-back design for applications not requiring an in-ceiling backcan.

### Overview:

High-fidelity performance at a cost-effective price point, the 8100 Series is an easy to install loudspeaker solution for a wide variety of commercial sound applications. With two models in the line, the 8124, a 4-inch (100 mm) full-range loudspeaker and the 8128, an 8-inch (200 mm) full-range loudspeaker, the 8100 Series feature high sensitivity drivers that deliver maximum sound levels using minimal amplifier power.

With its contemporary grill design, the 8100 Series loudspeakers are ideal for a variety of settings ranging from restaurant and retail settings to professional offices and reception / waiting areas. Because of the very light weight of 8124 and 8128, tile rails may not be required for some in-ceiling applications. They are not packaged with these models, however MTC-RAIL tile rail sets and C-Rings are available separately. Featuring 70V/100V taps and open-back design, the 8100 series brings elegance and performance to basic commercial sound systems, or any application not requiring a backcan for installation.



### Specifications (8124):

|                                |                                                                                                                                                                                                                                                                           |      |       |        |       |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|--------|-------|----|-----|------|------|----|----|-----|-----|--|-------|------|-------|--------|-------|
| Component:                     | 100 mm (4 in) Full-Range                                                                                                                                                                                                                                                  |      |       |        |       |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
| Frequency Range (-10 dB):      | 60 Hz – 18 kHz                                                                                                                                                                                                                                                            |      |       |        |       |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
| Coverage:                      | 130° conical                                                                                                                                                                                                                                                              |      |       |        |       |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
| Sensitivity (2.83V@ 1m):       | 93 dB (1 kHz - 8 kHz)                                                                                                                                                                                                                                                     |      |       |        |       |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
| Termination:                   | Bare Wire                                                                                                                                                                                                                                                                 |      |       |        |       |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
| Nominal Driver Impedance:      | 8 ohms                                                                                                                                                                                                                                                                    |      |       |        |       |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
| Driver Power Capacity:         | 20 W                                                                                                                                                                                                                                                                      |      |       |        |       |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
| 70V/100V Transformer Taps:     | 6 W, 3 W, 1.5 W, (0.75 W at 70 V only)                                                                                                                                                                                                                                    |      |       |        |       |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
| Dimensions (Diameter x Depth): | 206 mm (8.1 in) diameter round baffle x 89 mm (3.75 in) depth from back of baffle                                                                                                                                                                                         |      |       |        |       |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
| Cutout Dimension:              | 175 mm diameter (6.9 in)                                                                                                                                                                                                                                                  |      |       |        |       |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
| Net Weight:                    | 1.2 kg (2.5 lb)                                                                                                                                                                                                                                                           |      |       |        |       |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
| Included Accessories:          | Sculpted Grille                                                                                                                                                                                                                                                           |      |       |        |       |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
| Optional Accessories:          | MTC-8124C C-ring<br>MTC-RAIL tile rails                                                                                                                                                                                                                                   |      |       |        |       |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
| Plenum Usage:                  | Not intended for use in return air plenums                                                                                                                                                                                                                                |      |       |        |       |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
| Transformer Tap Color Codes:   | <table><tr><td>70V</td><td>.75W</td><td>1.5W</td><td>3W</td><td>6W</td><td>Com</td></tr><tr><td>100V</td><td>1.5W</td><td>3W</td><td>6W</td><td>N/C</td><td>Com</td></tr><tr><td></td><td>WHITE</td><td>BLUE</td><td>BROWN</td><td>ORANGE</td><td>BLACK</td></tr></table> | 70V  | .75W  | 1.5W   | 3W    | 6W | Com | 100V | 1.5W | 3W | 6W | N/C | Com |  | WHITE | BLUE | BROWN | ORANGE | BLACK |
| 70V                            | .75W                                                                                                                                                                                                                                                                      | 1.5W | 3W    | 6W     | Com   |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
| 100V                           | 1.5W                                                                                                                                                                                                                                                                      | 3W   | 6W    | N/C    | Com   |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
|                                | WHITE                                                                                                                                                                                                                                                                     | BLUE | BROWN | ORANGE | BLACK |    |     |      |      |    |    |     |     |  |       |      |       |        |       |

### Specifications (8128):

|                                |                                                                                                                                                                                                                                                                           |      |       |        |       |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|--------|-------|----|-----|------|------|----|----|-----|-----|--|-------|------|-------|--------|-------|
| Component:                     | 200 mm (8 in) Full-Range                                                                                                                                                                                                                                                  |      |       |        |       |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
| Frequency Range (-10 dB):      | 50 Hz – 16 kHz                                                                                                                                                                                                                                                            |      |       |        |       |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
| Coverage:                      | 90° conical                                                                                                                                                                                                                                                               |      |       |        |       |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
| Sensitivity (2.83V@ 1m):       | 97 dB (1 kHz - 8 kHz)                                                                                                                                                                                                                                                     |      |       |        |       |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
| Termination:                   | Bare Wire                                                                                                                                                                                                                                                                 |      |       |        |       |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
| Nominal Driver Impedance:      | 8 ohms                                                                                                                                                                                                                                                                    |      |       |        |       |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
| Driver Power Capacity:         | 25 W                                                                                                                                                                                                                                                                      |      |       |        |       |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
| 70V/100V Transformer Taps:     | 6 W, 3 W, 1.5 W, (0.75 W at 70 V only)                                                                                                                                                                                                                                    |      |       |        |       |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
| Dimensions (Diameter x Depth): | 287 mm (11.3 in) diameter round baffle x 104 mm (4.1 in) depth from back of baffle                                                                                                                                                                                        |      |       |        |       |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
| Cutout Dimension:              | 260 mm diameter (10.1 in)                                                                                                                                                                                                                                                 |      |       |        |       |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
| Net Weight:                    | 1.4 kg (3.0 lb)                                                                                                                                                                                                                                                           |      |       |        |       |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
| Included Accessories:          | Sculpted Grille                                                                                                                                                                                                                                                           |      |       |        |       |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
| Optional Accessories:          | MTC-8128C C-ring<br>MTC-RAIL tile rails                                                                                                                                                                                                                                   |      |       |        |       |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
| Plenum Usage:                  | Not intended for use in return air plenums                                                                                                                                                                                                                                |      |       |        |       |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
| Transformer Tap Color Codes:   | <table><tr><td>70V</td><td>.75W</td><td>1.5W</td><td>3W</td><td>6W</td><td>Com</td></tr><tr><td>100V</td><td>1.5W</td><td>3W</td><td>6W</td><td>N/C</td><td>Com</td></tr><tr><td></td><td>WHITE</td><td>BLUE</td><td>BROWN</td><td>ORANGE</td><td>BLACK</td></tr></table> | 70V  | .75W  | 1.5W   | 3W    | 6W | Com | 100V | 1.5W | 3W | 6W | N/C | Com |  | WHITE | BLUE | BROWN | ORANGE | BLACK |
| 70V                            | .75W                                                                                                                                                                                                                                                                      | 1.5W | 3W    | 6W     | Com   |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
| 100V                           | 1.5W                                                                                                                                                                                                                                                                      | 3W   | 6W    | N/C    | Com   |    |     |      |      |    |    |     |     |  |       |      |       |        |       |
|                                | WHITE                                                                                                                                                                                                                                                                     | BLUE | BROWN | ORANGE | BLACK |    |     |      |      |    |    |     |     |  |       |      |       |        |       |



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