



Tip #30 All in the Family

Atlantic has introduced their new IWTS-7 LCR and 14 LCR open-back in-wall speakers. These are not any 'ordinary' in-walls; in fact, they're much more like our revolutionary In-Wall Closed Box series than anything else.

So let's compare the two series and you'll understand what makes the new 7 LCR and 14 LCR so special.

First, a re-cap on the In-Wall Closed Box series:

1. MDF cabinet construction for superior acoustics compared to plastic or aluminum
2. Closed box design optimizes the woofer's response (just like the best free-standing box speakers), and eliminates room-to-room acoustic 'bleed-through'
3. Atlantic's Exclusive **Low Resonance Tweeter (LRT™)** covers wider listening area than conventional tweeters (very important because in-wall speakers are usually mounted high above ear level)
4. Atlantic's Exclusive **Directional Vector Control (DVC™)** electronically directs sound up or down from the speaker, without the diffraction caused by ineffective mechanical "pivoting" tweeters.
5. **High-frequency** and **Boundary Compensation** controls for complete acoustic customization
6. Grille/frame assemblies are packaged and available separately from speakers, to maximize your installation scheduling flexibility—you can "rough in" and paint the grilles/frames first, then install the speakers later when the project has progressed to that point. (see figure 1)

The new IWTS-7 LCR and 14 LCR are close relatives of the IWCBs, but at lower cost:

1. MDF baffles (instead of closed boxes) for superior acoustics compared to plastic or aluminum baffles
2. Atlantic's Exclusive **Low Resonance Tweeter (LRT™)**
3. Atlantic's Exclusive **Directional Vector Control (DVC™)**
4. **High-frequency** and **Boundary Compensation** controls
5. Uses **same** grille/frame assemblies as the IWCB's, for total mix-n'-match flexibility with IWCB series. (see figure 2)

The new IWTS-7 LCR and 14 LCR should *not* be thought of as "replacements" for any previous models. Rather, they are extensions of our innovative In-Wall Closed Box series, with virtually all of the same advantages and features—just at a lower cost, and without the rear enclosure built in.

(However, in addition to the back box enclosure built in, the IWCB-52, 525, and 626's woofers all have oversized 40 mm diameter voice coils, so they will play with greater accuracy and lower distortion than the IWTS-7 LCR and 14 LCR, which have 25 mm coils.)

But the new IWTS-7 LCR and 14 LCR are so much better than conventional open-back in-wall speakers, and they share *so much* in common with our Closed Boxes, that they're really something special.

There's really nothing like them.

Figure 1



In-Wall Closed Box series mounts easily in separate frame, delivers customizable, audiophile sound

Figure 2



In-Wall Theater System series mounts in same frames as Closed Box series, offers virtually all the performance at lower cost

Other Tech Tips:

- Tip 26: Creating Good Room Acoustics
- Tip 27: IWTS-8 vs. IWTS-8e
- Tip 28: Setting your Receiver's Sub X-Over
- Tip 29: Spread it Around