



Tip #39 Receiver Settings for the FS-7.0

The FS-7.0 is a remarkable Sound Bar—able to recreate a three-dimensional soundfield from just a single bar of speakers. However, to take full advantage of its performance potential, it's important that it be set up correctly.

First, set your receiver's Channel OUTPUT levels:

1. In the Receiver's Setup Menu: Go to Speakers or Audio Setup, Find Speaker Loudness or Volume
2. For the Left, Center, and Right Channels, lower the output of each to -3dB.
3. For each Rear and/or Surround Channel, Left and Right, leave the output at 0dB.
4. If you have a particularly big room, or want a little more surround effect, then raise the Surround Channels to +1 or +2dB (leaving the front Left, Center, and Right channels at -3dB).

Then, set the DELAY/DISTANCE on Your Receiver:

In Receiver Setup, usually in the Speaker menu, one option will be "Delay" or "Distance." It will then take you to each Channel and ask you to enter the "number of feet" you normally sit from each speaker.

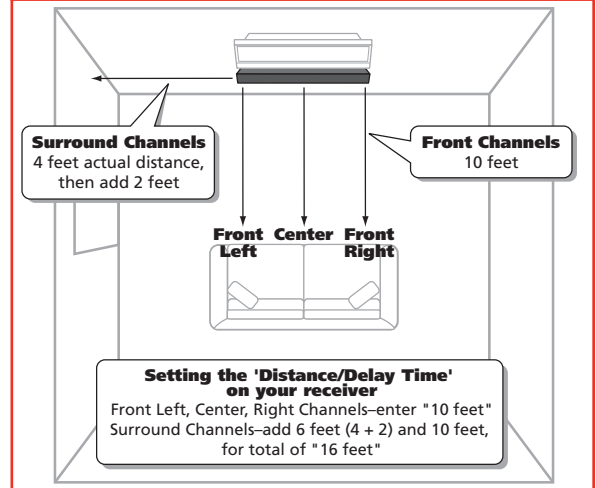
1. For the Left, Center, and Right Channels, for example, if your listening position is 10ft from the front of the speaker bar, then enter "10 feet" for the left Channel, "10 feet" for the Center Channel, and "10 feet" for the right Channel. (See fig. 1.)

2. Sounds from the left and right Side Surround and left and right Back Surround Channels come from the speakers at each end of the FS-7.0, which are angled to the side and back.

IMPORTANT: The key here for distance measurement depends on how far away the closest side wall is to either the left or right FS-7.0 surround speakers. For example, let's say left side wall is closest to the bar. Measure the distance from the left rear speaker in the FS-7.0 to the left side wall. Let's say it is 4 feet.

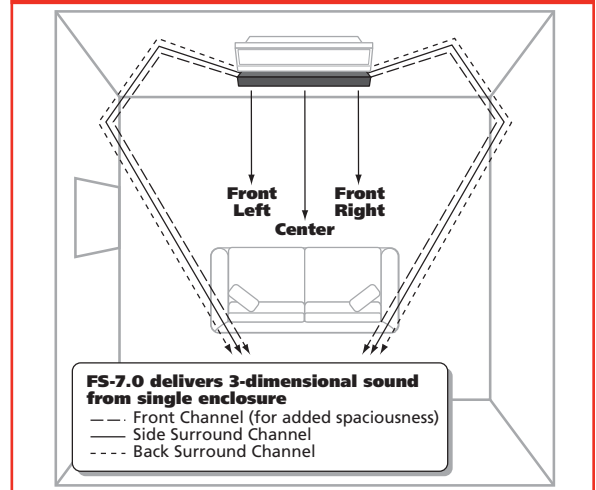
- a. Add 2 feet to that distance, so now you have 6 feet.
- b. Then add that 6 feet to the distance measured from the front of the speaker bar to your sitting area, which was 10 feet, in the example above. Now you have 10 feet + 6 feet, which totals 16 feet.
- c. Put the total feet, 16 feet into the "Delay" for the Left Side Surround, and the same for the Left Back channel if your setup is for 7.1 instead of 5.1.
- d. Repeat the procedure for the other surround speaker. Note that it may yield a different result, since the distance to the side wall may be different on one side of the FS-7.0 compared to the other.
- e. If the left or other sidewall is more than 10 feet away, simply adjust the distance to the receiver's maximum setting. That will provide a satisfying surround effect in most circumstances. (See fig. 2.)

Figure 1



How to calculate delay distances

Figure 2



FS-7.0 provides convincing surround effect from a single speaker bar.

Other Tech Tips:

- Tip 35: New x400 Sats vs. x200 Sats?
- Tip 36: IWTS IP vs. non-IP versions
- Tip 37: That's a Gross Distortion
- Tip 38: Why no Back Box for 28 SUB?