

We would like to take the time to introduce you to some unique technical features of the Model 10 Loudspeaker.

Our Model 10 Loudspeaker incorporates new technology that enhances the audio experience. The Model 10 Loudspeaker uses a Digital Sound Processing (DSP) module and four separate amplifiers, one for each channel, one for the sub woofer, one for the mid bass units and one for the high frequency driver. By having separate amplifiers for each driver section the parameters for each driver can be adjusted independently by use of the DSP. The functions include: gain, crossover point, crossover slope (6, 12, 24, 48 db etc) parametric EQ, phase, delay and overall gain just to name a few.

By Incorporating the best quality drive units we are able to keep software programming to a minimum and thus less filters in front of the audio signal. Also having this range of adjustability the Model 10 Loudspeaker is able to be tuned to the room as well as well as customer expectations. Room acoustics can change or shift the the "sound" of a loudspeaker by as much as 70%. We have tested room placements that have caused peaks in the audio response of +6db or more at certain frequencies. No matter how good the speaker, if you cannot adjust for these variations the speaker will never sound as intended. We have found over the years that even though we as "audiophiles" have a pretty good idea of what is expected from a Hi-End loudspeaker this does not always mesh with customers expectations, not everybody perceives sound in the same way (psychoacoustics). Through the use of a software interface via USB connection, the dealer is able to make changes to the programming of the the loudspeaker. The interface allows for realtime room analysis through use of feedback measurement systems.

The Model 10 Loudspeaker also incorporates wireless music streaming. This feature allows the speaker to be paired with many different devices very easily and expands the use of the product to more than just a dedicated Hi-Fi System. This is accomplished in several ways, by use of frequency-hopping spread spectrum or Bluetooth, 2.4ghz wireless and PLAN WiFi networks. Though the use of a optional built-in Bluetooth connection the Model 10 Loudspeaker can receive streaming music up to 2.1 Mbits/sec via any Bluetooth enabled device. All that is required is the pairing of the speakers to the device. This is only done once and does not need to be repeated once paired. This is the most simplistic way to connect devices and the most user-friendly. By using Secure Simple Pairing (SSP) the user does not need to enter a passcode to pair the devices, they do this automatically. Once paired music can be streamed wirelessly to the loudspeakers from device's which include Bluetooth enabled devices, PDAs, Tablets, Smart Phones, Book Readers, Laptops, and Tvs.

Allowing for playback of Computer Playlists, Internet Radio, Podcasts, etc. to be streamed directly to the speakers.

Also available for the Model 10 Loudspeaker is a WiFi Router. The router sets up a personal WiFi hotspot and allows for music sharing/streaming and interconnecting of music servers via internet connection. We also offer a 2.5 ghz receiver/transmitter with USB dongle to allow for extended range/bandwidth music streaming via USB output from a laptop or music sever. This is available as a stand alone unit and has a wireless range of up to 300'.