

Media Technology Solutions

Newsletter

MTS LISTENS FIRST

EVERY SYSTEM IS A COLLABORATIVE EFFORT

QUALITY SYSTEMS AT REASONABLE PRICES

Not every sound and video system is the same since different people have different needs. Media Technology Solutions will listen to your needs first and then work with you to design the best possible solution.

Media Technology Solutions wants to equip technical volunteers in the church community with the knowledge and skills necessary to ensure distraction-free worship experiences. Some of the services we provide are service of existing systems, design & installation of new systems, and video and audio production.

Please call us for all your audio and video needs!

In the last two issues, we described the mixer as the foundational tool of the audio engineer and explained how to use EQ to achieve a natural tone and minimize feedback. In this issue, we'll look at processing tools that help to achieve a controlled, balanced mix and processors that can add ambiance and depth.

Compressors

A compressor's job is to control the dynamic range of the source. For instance, an expressive vocalist may sing some notes loud and other notes soft with a large difference in volume between the two. A compressor will limit the louder notes and expand the softer notes for a more balanced signal while maintaining the singer's dynamics (if set up correctly). The adjustments on the compressor can be tailored to each individual instrument to achieve different results. A compressor can be used on any source, but the most important sources are vocalists, speakers, guitars, piano and percussion.

Effects Processors

Effects processors are used to create a synthetic ambiance that replicates the natural ambiance (reverb) of a particular acoustical environment. Different acoustical environments may be a cathedral, a tunnel, a closet, a tiled bathroom, or an arena. All audio processing effects should be used sparingly to preserve the natural tone. Other effects may include delay (echo), chorus, flanger, or distortion. Reverb can add an extra dimension to vocals and acoustic instruments. As with all signal processing, it is best if used sparingly.

Media Technology Solutions is available to help you determine the best processor options for your church. We also offer training for the equipment and can show you the proper settings to use. MTS can service your sound and video systems if you ever have problems or just need them checked over.

Are You Breaking The Law?

With the recent changes in the frequency spectrum and the switch to all Digital TV, your church's wireless microphones could be affected. Some frequencies are being taken over by public safety (i.e. police and fire dept.) and some frequencies went up for auction to the highest bidder and were sold to public companies like cell phone providers. These public companies may not be using these frequencies for some time and may cause no interference to you. However, they could prosecute you for using their licensed frequencies. The frequencies that have been sold are all frequencies above 700mhz. If your wireless microphones are operating at any frequency above 700mhz, you are in fact breaking the law and violating the licenses that these companies have bought. Call Media Technology Solutions if you are unsure whether you are breaking the law or if you would like a quote for replacing your wireless microphones.

July - September Special: FREE Basic Sound System Evaluations

Could your sound system be clearer for your audience?

- Written report on the sound system
- Check system EQ
- Check for reverberations that cause a lack of clarity
- Recommend solutions for the problems discovered