

St. Justin's - Sound System 101

Attachments

1. Platform Overview
2. Condensed Sound System Manual (Mixer Manual)
 - Page 14 (PDF page 23 – Top Panel Controls
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Systems

1. We have one mixer – but 3 systems.
 - a. Home (congregation area of church)
 - b. Platform (altar)
 - c. Monitor (for the 2 monitor jacks in the choir risers)
2. The 2 physical mixers are hard wired together – in other words you can press the Home, Platform or Monitor buttons on either board and both boards now represent the same system

Channels (for Choirs)

1. Never change someone else's channel (1-99)
2. Never touch the gain switches – they effect every channel.

Inputs (for Mic's and Instruments)

1. Input 1, 2 and 3 are reserved for the celebrant.
2. Input 7 gain is set for the piano – Do not use a mic on this channel If a guitar has a volume control then you may use a guitar via D/I box in input 7.
3. Input 10 is used for the CD player
4. Input 18 is for the ambo
5. Input 19 is used for movies etc.

Feedback

1. Feedback is caused by a looping signal, e.g. When 'a' thru 'd' occurs:
 - a. voice enters microphone, (or guitar to mic or guitar via D/I box to input jack)
 - b. mic sends signal to amp,
 - c. amp sends signal to speaker
 - d. and (*here's the feedback part*) the speaker is placed in such a position that the now amplified voice is picked up by any mic in the system and resent for processing
2. If you experience feedback it's probably from the monitor, or secondly, the platform system.
3. There are **safe zones** e.g.
 - a. Place monitors well away from the choir risers. E.g. 2 feet farther than the stair rail near the ambo.
 - b. Do not place a mic farther away from the altar than the farthest hanging overhead mic – as you will enter the 'home' or congregation zone.
 - c. You can sometimes override all of the above, by turning down the volume, but be careful as to which system you're turning down.
4. Celebrant
 - a. If the celebrant wears a wireless mic, then they will experience different situations in the zones for each of the 3 systems. E.g. On the altar (platform) vs. congregation area (home) vs. choir area (when monitored).
 - b. If the celebrant wears a wireless mic, they may successfully enter another zone, however:
 - i. any presence of amplified sound may start feedback
 - ii. the position of their mic may be enough to also start/stop feedback, e.g. by turning around, the mic may now be directly facing a speaker and feedback may occur.