

## Sound System for the Church

The technician for the church sound system made a service call on Monday June 9<sup>th</sup>, 2008 to attempt to remedy the complaints expressed about poor sound quality and low volume in certain areas of the church. Numerous adjustments were made to correct the issues and at his departure it appeared that the system was working well. Acoustically, the church is a very hard area to balance perfectly and testing without people in the pews made fine tuning even more difficult but a best effort was made to give decent volume and control tonal quality.

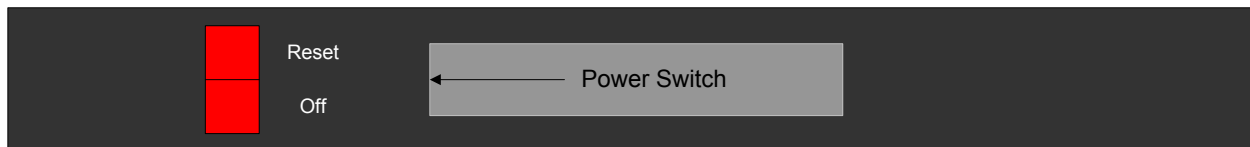
There were many areas where people had attempted to adjust the system and in return caused something else to go out of whack. The technician also found a few bad piece parts, microphones, and a wireless zone receiver that was shut off to stop an interfering system from another location. The biggest problem was an adjustment to the "Input" knob on the Yamaha D1030 Digital Delay Line (see page 4). The setting of 8.5 on that knob is the technician recommended position to match the levels of the other amplifiers.

The Master control knob, position 8 on the Six Channel Mixer (see page 3) can be tweaked slightly up or down to fine tune the overall volume of the system. The other knob settings are indicated on the following pages and one should use caution when deviating from these settings.

The adjustment knob in the chapel has been adjusted to maximum and the handle has been temporarily removed to prevent the volume from being changed. The chapel is the one area that has generated the most complaints and this will hopefully prevent any unwanted changes before a valid test can be observed.

Skip Harrison

## Altar Server Room



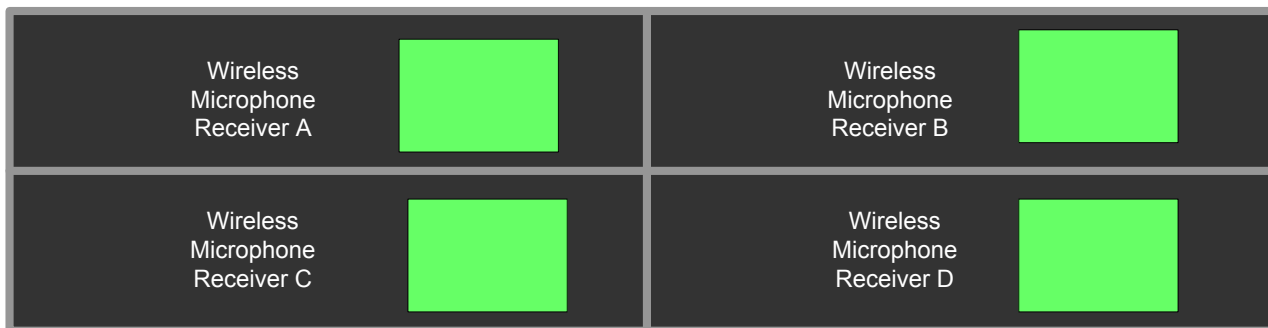
This is the main power control panel and ideally is the only switch or control knob that needs to be used when using the system. The red toggle switch labeled “Power Switch” needs to be pushed at the top to turn the system on and down to turn the system off.

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## UHF Antenna Distribution System



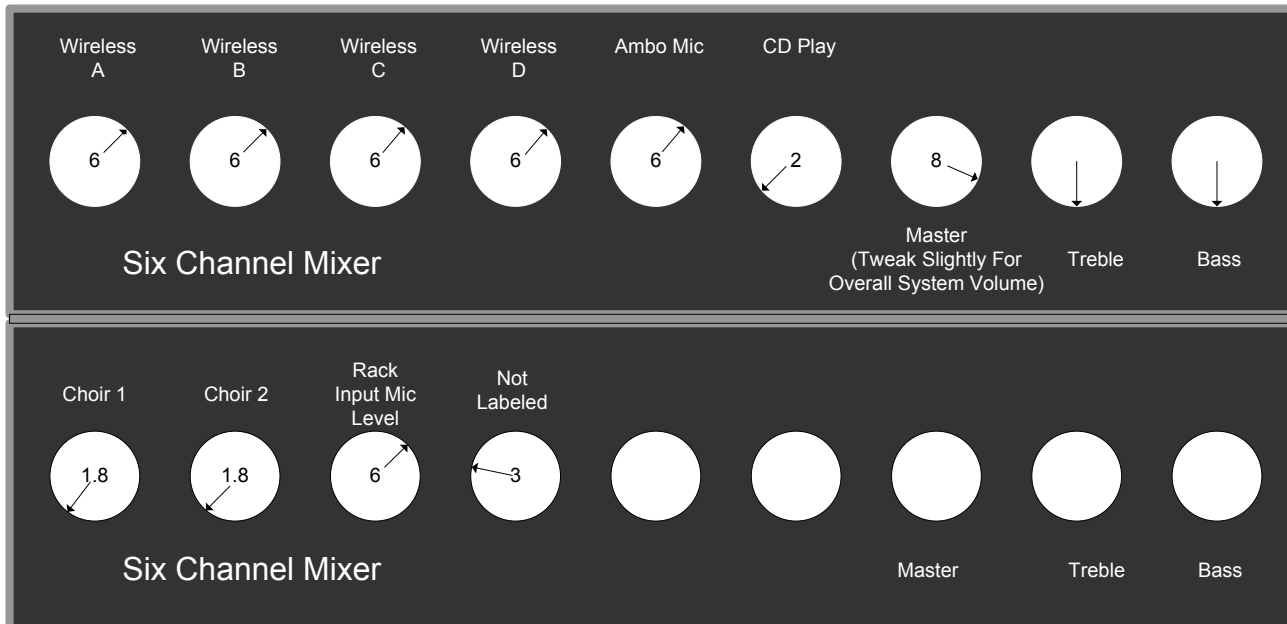
These units are normally always on. The wireless microphones are coded to A - D respectively.

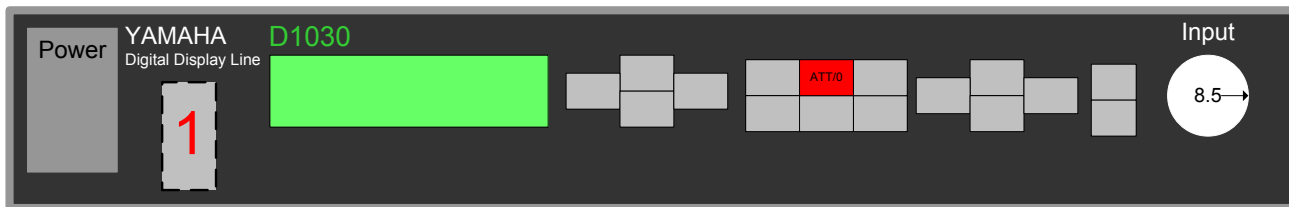
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Six Channel Mixer. Set the knobs as indicated on drawing.





The only adjustment to be made on this unit is the “Input” button. After testing the position was set to 8.5 by the sound technician.

These Altec amplifiers are always on and the volume is set to 10. The inside church speaker is one zone. The outer church speakers under the soffets is a second zone and the Chapel and foyer speakers a third. The lower 4<sup>th</sup> amplifier is a spare.



These are the settings of the two Six Channel Mixers near the choir area.

