Simplified audio setup

After a month of broadcasting sacrament meetings we have learned that the biggest challenge with creating a positive experience for remote participants is capturing good audio. While the microphone in a phone or laptop is minimally adequate, it often picks up the noise around it which makes it difficult for the remote participants to focus on the speaker. While this happens to all of us when we sit in a chapel, the effect in a broadcast is significantly worse.

Previously the problem has been addressed by purchasing the right set of cables to connect from an audio output jack to the phone or laptop which is capturing the event. This is reliable and effective but has several drawbacks. First, finding the right cables is difficult because the type of cable needed is often different for different phone models. Additionally, often the audio output jack is located under the sacrament table or in the clerk's desk, which requires a cable to run some distance across the floor, creating an unsightly mess and a trip hazard (often near the stairs to the podium.) Finally, some broadcasting applications, like Zoom on Android, are unable to make use of a USB audio adapter.

A new solution has been identified which simplifies how you establish an audio connection by using a Bluetooth Audio Receiver with Microphone Input. This device, when connect to your building's audio output, will allow your phone or laptop to receive your building's audio via Bluetooth. The wireless range is sufficient to allow you to put the device where your audio output jack is without running cables across the podium.

To use this device in your meetinghouse you need to connect the mic input of the device to the audio output jack of your building. The device requires power using a micro USB cable. Once powered on the device's LEDs will alternate red and blue, indicating it is in pairing mode. Pair with the device as you would any other Bluetooth device. It should show up as "building audio" or "TSA6016". Once connected, use it as you would a Bluetooth headset. Here is a picture of this setup in a building with the output jack near the podium.

As multiple wards sharing a building may use the same device, you may need to occasionally re-pair the device. This is accomplished by holding down the small button located between the two audio jacks for about 5 seconds, after which time the LEDs will again begin flashing red and blue, indicating the device is in pairing mode.

If you would like to allow a remote participant to speak to the congregation, connect the audio output jack of the device to your building's audio input jack. Don't do this unless you want to hear the remote side, because with the output connected, you will also hear notification dings etc. that your device emits.


output
Extron
RECORD OUT
LINE LEVEL
DATA 1X
SAMSUNG