



QSC Product Series Technical Notes

TouchMix Series digital mixers

Setting up a TouchMix mixer with an External Wi-Fi Router

Setting up wireless remote access on a TouchMix-30 Pro digital mixer requires connecting to an external Wi-Fi router. And although each TouchMix-8 and -16 digital mixer comes with a small Wi-Fi dongle, its network performance could be made more robust by using an external router instead, especially when it is used in a large space with a high potential for interference from Wi-Fi, cellular, and other RF sources.

This tech note will show you how to easily configure your TouchMix digital mixer with a third-party Wi-Fi router.

You will need these to successfully create your network:

- TouchMix Series digital mixer
- Standard Wi-Fi router
- iOS or Android wireless device with Wi-Fi and either the **QSC TouchMix** app (for TouchMix-8 or TouchMix-16) or the **QSC TouchMix-30** app (for the TouchMix-30 Pro) installed
- Ethernet cable
- USB to Ethernet adapter (TouchMix-8 and TouchMix-16)

NOTE: You can find a list of recommended USB to Ethernet adapters here on the QSC website:

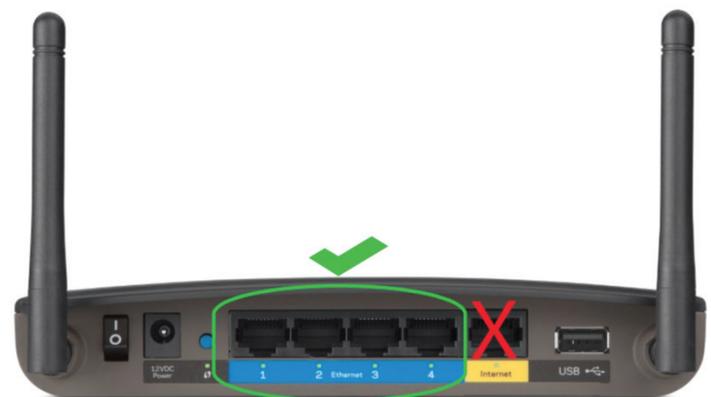
<https://www.qsc.com/live-sound/resources/software-and-firmware/touchmix/ethernet/>

Setting up the router

Many routers will work properly right out of the box. If your router requires initial setup, proceed according to the manufacturer's directions.

NOTE: Many of the Wi-Fi connection problems that TouchMix users have reported are actually related to non-standard or custom configurations of the router. Unless you are experienced in Wi-Fi configuration, we strongly recommend that you leave router settings set to their default values.

1. Start with the router and TouchMix mixer turned off.
2. Turn the router on. Once it has booted up, connect one of its LAN ports (not the Internet, Network, or WAN port; see Figure 1) to the mixer.

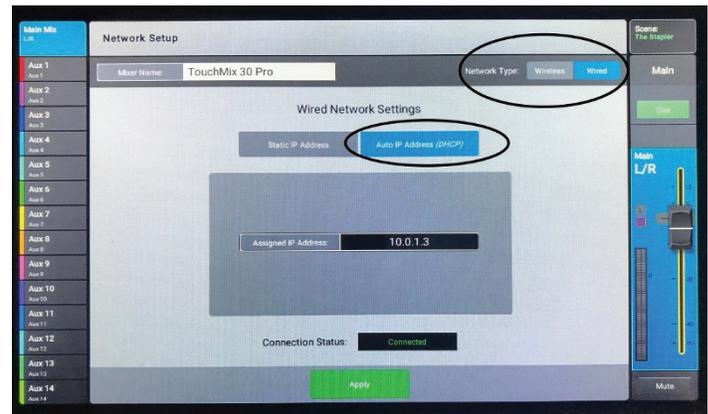


– Figure 1 –

Connect the router to the mixer's RJ-45 port (TouchMix-30 Pro) or, through the USB to Ethernet adapter, to one of the mixer's USB ports (TouchMix-8 or TouchMix-16). Note that the adapter requires suitable electrical power.

3. Turn on the TouchMix mixer. Once the mixer has booted up, press the **Menu** button.
4. Select **Network Setup**.

- At **Network Type:** select **Wired** (Figure 2). At **Wired Network Settings** select **Auto IP Address (DHCP)**. Touch **Apply**.
- Once the mixer establishes an Ethernet connection with the router, the mixer touchscreen will display the prompt **Wired Ethernet connection operational** and at **Connection Status:** it will say **Connected**.
- In the Wi-Fi settings of your iOS or Android device, locate the router and connect to it (most Wi-Fi routers have a factory-asigned default network name and password, which can usually be found on a sticker on the router or in the user manual).
- When your device has connected successfully to the router, launch the app.
- If **Disconnected** appears in red in the upper right corner of the app, touch **Menu** and then **Network**. Select your mixer from the **Found Mixers** list and touch **Select**. Your device is now connected to the mixer.



– Figure 2 –

Configuring access

If this is the first time the device has been connected to the mixer, the mixer must give it remote access permissions. To do this, press the **Menu** button on the mixer. Select **Remote Control**. In **Devices**, select your device and use the **Access Control** switches to assign to it the various remote control functions available.