New Mexico State University Cooperative Extension Service

Innovative Media Research and Extension

Mic Cable Adapters for Newer Model Mobile Devices



Many smartphones and computers sold after 2016 use a newer audio connector, such as a Lightning or USB-C audio connector, instead of the older 3.5-mm audio jack. Because of the modifications, these devices require special audio adapters to function with standard audio cables and connectors for older model smartphones that use a 3.5-mm (TRS or TRRS) audio jack. Please read tutorials Lavalier Mic Cables for Older Model Mobile Devices and Mini Condenser Mic Cables for Older Model Mobile Devices to learn more about the 3.5-mm (TRRS or TRS) audio jack.



Mini condenser microphone



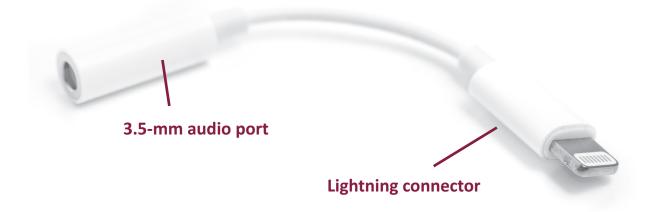


These microphones (mini condenser and lavalier) usually have a 3.5-mm (TRS or TRRS) audio jack on the cable end that connects to the smartphone, tablet or computer.



3.5-mm TRS audio jacks

3.5-mm TRRS audio jacks



Use this adapter, to connect a mic or headphone cable with a **3.5-mm audio jack** to a device with a **Lightning port**. The **Lightning port** is also used to charge the **smartphone**, and also operates as the audio port. This audio adapter has a **3.5-mm audio port and a Lightning audio connector**.



Use this adapter, to connect a mic or headphone cable with a **3.5-mm audio jack** to a device with a **USB-C port**. The **USB-C port** is also used to charge the **smartphone**, and also operates as the audio port. This audio adapter has a **3.5-mm port** and a **USB-C connector**.



Here is an example of a newer model **smartphone** with a **Lightning port**. They are utilizing a **mini condenser mic** with a **TRS audio jack** connected to the mic and a **TRRS audio jack** connected to an adapter. The adapter cable has a **3.5-mm TRRS audio port** that converts to a **Lightning audio connector**.

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