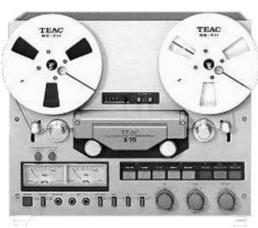
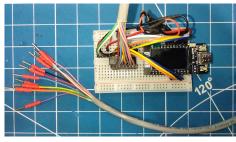
R2R Bluetooth Remote Using The LILYGO ESP32 T-Display



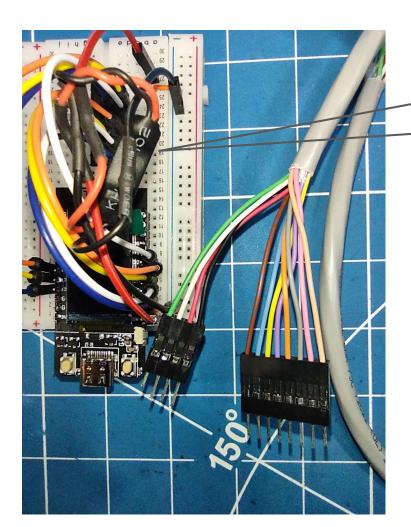




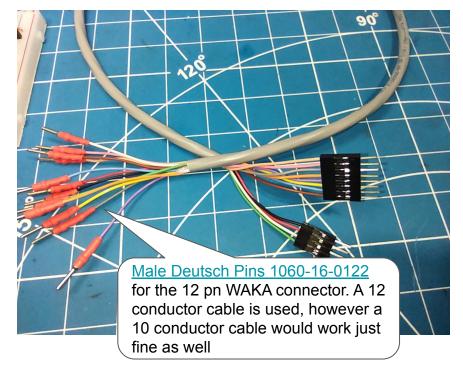


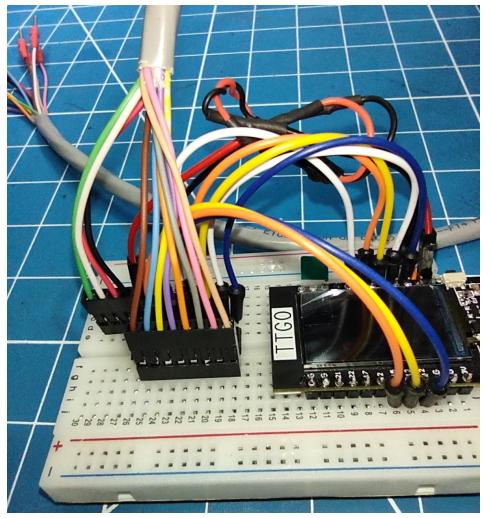
Description

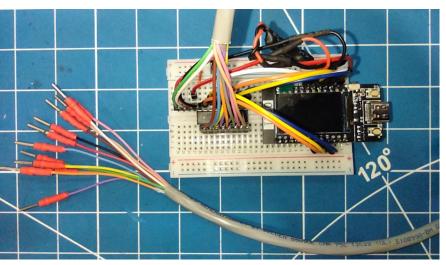
This projects make use of the LilyGo TTGO T-Display for a Bluetooth based remote control for vintage Teac X10R/X7R Reel to Reel (R2R) tape decks. Using custom firmware it places the TTGO board into classic Bluetooth mode allowing any PC/Mac computer to send commands to the R2R decks over a serial connection. It also works with Android devices as well. In many ways the TTGO board is perfect for such remotes because it's easy to code for using the Arduino IDE, and the OLED display makes for easy debugging. As a matter of fact, the most difficult part about fabricating the remotes was making the connection cable to the R2R decks since the make use of a connection (12 pin WAKA) that's no longer in production.

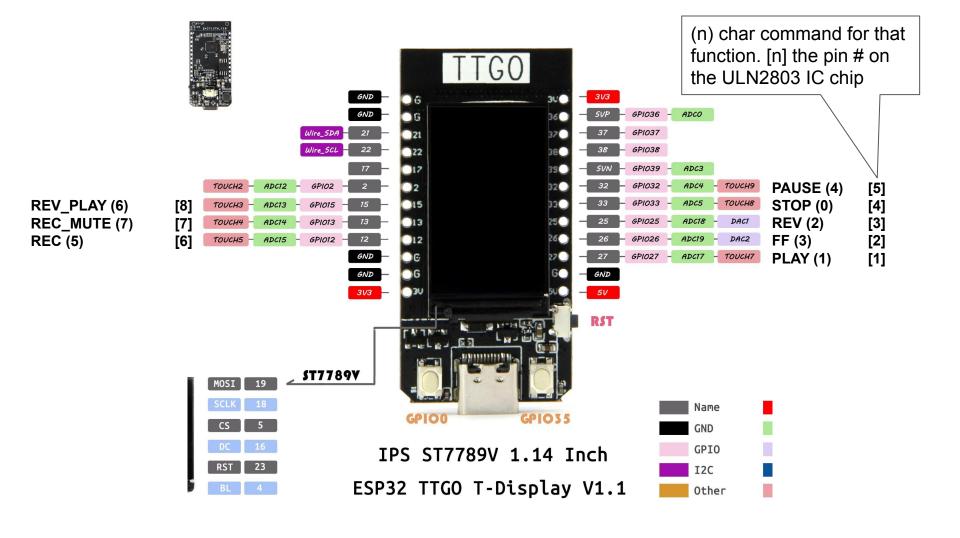


DC-DC convertor to take the 19V from the Teac X10R/X7R and convert it to 5V to feed into the 5V pin of the TTGO board









Indicates the pin # on the TTGO board

PIN CONNECTIONS

Indicates the pin # on the 12 pin R2R WAKA connector

