

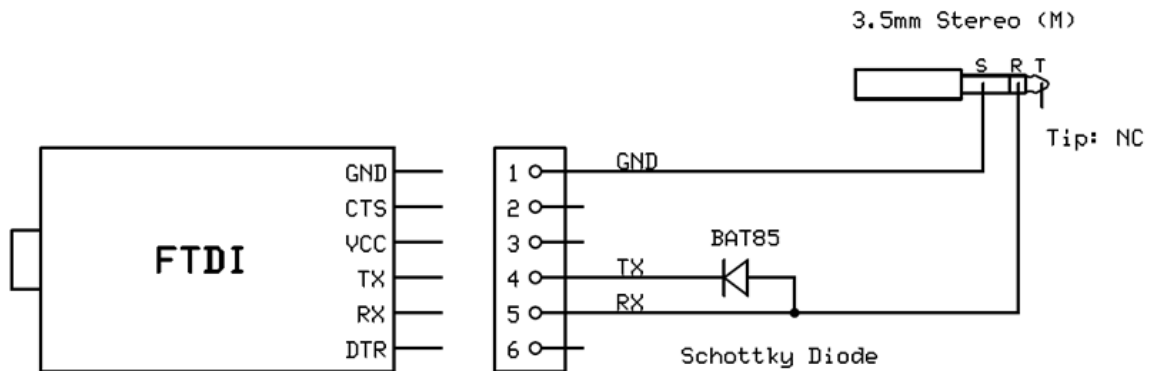
# DIY Alinco ERW-7 Programming Lead

Adam Maurer, VK4GHZ

A programming lead that is easy to make using a common FTDI USB serial adapter and allows an Alinco DR-735T to be programmed using the freely available [Alinco Clone Utility software](#).

## DIY Alinco ERW-7 Programming Lead

for Alinco DR-735



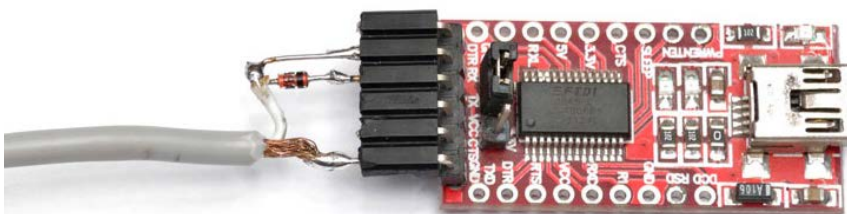
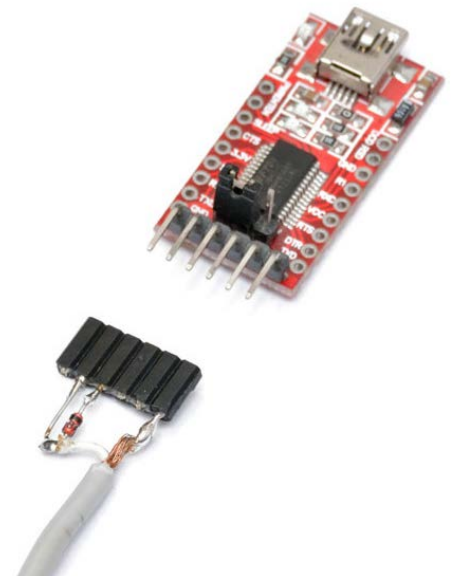
Adam Maurer VK4GHZ 11/2025

**Do not use a signal diode like a 1N4148 – it must be a Schottky diode.**

The Schottky diode and cable is soldered onto a 0.1" header socket.

This allows the FTDI adapter to be used for other purposes, ie; plugging in to a breadboard.

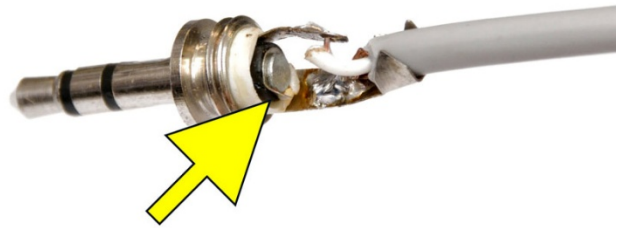
Solder pins for unused header socket terminals DTR, VCC, and CTS are cut off, leaving only RX, TX and GND, as seen in the images.



The connector to suit a DR-735T is a 3.5mm 3 pole plug, ie; a standard 3.5mm stereo TRS plug.  
(Tip - Ring - Sleeve)

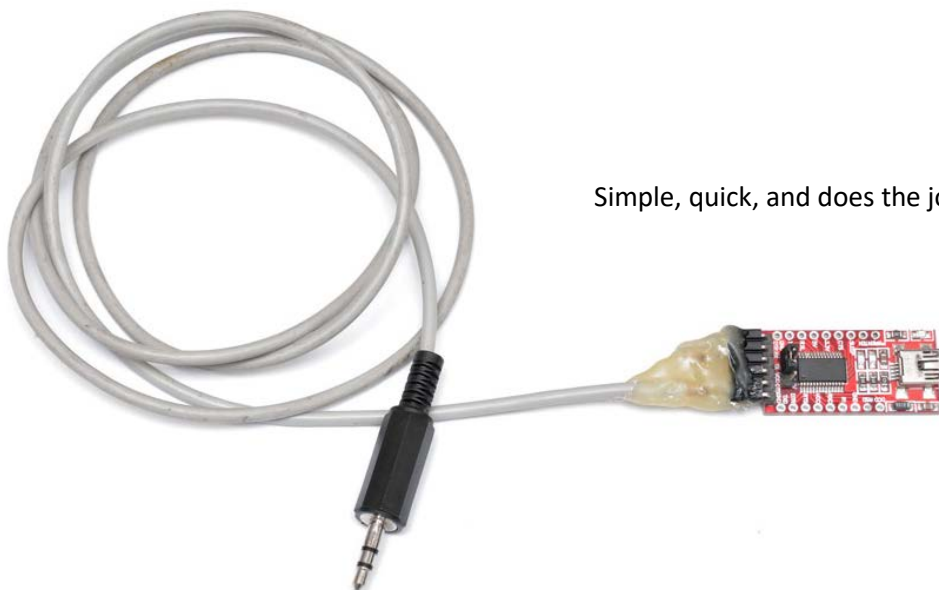
Signal line is connected to the ring, ground is connected to the sleeve, tip is not connected.

To avoid any potential shorts inside the plug,  
the solder tab to the tip was cut off, as indicated  
by the arrow.



For infrequent use, there is no need to mount this in an enclosure...

Just encapsulate it in hot-melt glue.



Simple, quick, and does the job.

For fellow Aussies, Schottky diodes can be obtained from local bricks & mortar stores:

[BAT85 at Altronics](#)

[BAT46 at Jaycar](#)

If you found this article useful, please consider buying me a coffee.

