CONVERT YOUR MTM800 ACTIVE DATA CABLE GMKN1022 INTO USB

Along with the cable you received a set of spare/additional pins and contact removal tool. Try to recall the location where you put them, they are needed right now.

Go and get from your favourite supplier the FTDI USB TTL Serial Cable **TTL-232R-3V3-WE.**

The product page: http://www.ftdichip.com/Products/Cables/USBTTLSerial.htm

Virtual COM Port (VCP) drivers: http://www.ftdichip.com/Drivers/VCP.htm

FTDI web shop: http://apple.clickandbuild.com/cnb/shop/ftdichip?op=catalogue-products-null&prodCategoryID=102&title=USB-TTL+Wire+Ended

The TTL-232R-3V3-WE ("wire ended") is a USB to Serial (TTL level) converter cable which allows for a simple way to connect TTL interface devices to USB. This version of FTDI's USB to TTL serial adapter cable has it's I/O pins configured to operate at 3.3V levels.

The TTL-232R-3V3-WE uses a FT232RQ device which is housed inside the USB 'A' connector, and is terminated at the end of a 1.8 m (70") cable with 6 bare, tinned wires which provide access to transmit (Tx), receive (Rx), RTS#, CTS#, Vcc (3.3V), and GND signals. This allows the customer to customise the TTL-232R-WE with their own connector, according to the requirements of their application. Alternatively the TTL-232R-WE can be hard wired onto a PCB.

The TTL-232R-3V3-WE is fully RoHS compliant and is supplied loose packed in an anti-static bag. It is FCC and CE approved.

IMPORTANT! You MUST use the 3V3 version of the cable. The radios interface will be damaged if 5V version (TTL-232R-5V-WE) is used!

Use the pin removal tool push from the front side into the slots and clear the complete connector.

At the FTDI cable you need attach contacts to four wires:

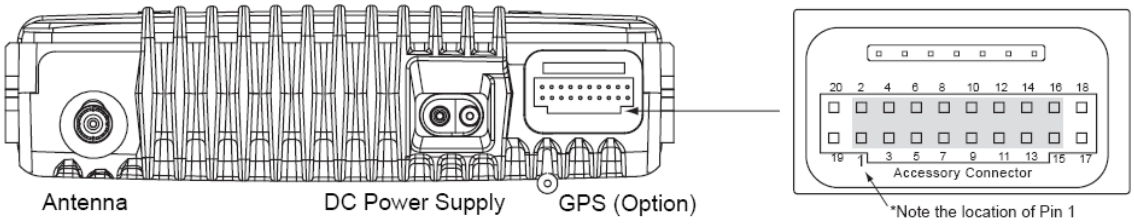
Black	-	Ground
Brown	-	CTS
Yellow	-	RXD
Orange	-	TXD

Not used:

Red	-	5V from the USB connector
Green	-	RTS (DO NOT CONNECT ! Otherwise the radio will use the RX/TX pins as USB)

Cut to size and isolate with shrink tube.

Transceiver Rear – Pin Function



Pin 8	-	Digital Ground	-	Black
Pin 17	-	CTS	-	Brown
Pin 19	-	RXD	-	Yellow
Pin 20	-	TXD	-	Orange

Finally obtain a new strap and tighten the cable to the connector.
Install the VCP driver from the FTDI page. **http://www.ftdichip.com/Drivers/VCP.htm**

For Scout usage:
Make sure that the newly installed COM port has a number in the range from 1 to 16.
Go and get the number from the Windows Device Management (Start, Run…, devmgmt.msc)
Adjust Scout to the port and save settings.
Happy tracing!