

**Highways England - NTIS
TMU2 Mk2 Upgrade (NTIS-0201-2-000) - Work Instruction**

Revision: A; September 2017

Installation Step by Step Instructions

Step 1

Remove the existing TMU Mk1 traffic counter. If two loop harness cables are connected, note their orientation and mark them with a permanent marker.

Step 2

Open the top lid of the TMU Mk2 (via two slotted screws). Connect the battery leads to the internal battery, being careful to match the polarity.

If you are required to fit a SIM card. Remove the two Phillips screws securing the small cover towards the front of the unit. Release the SIM holder catch, insert SIM and close holder until it latches into place. Replace the small cover and re-secure. Close and secure the main lid.

Step 3

Connect the various cables to the TMU Mk2 front panel, AERIAL, POWER-1, POWER-2, LOOPS 1-8, LOOPS 9-16 (if applicable).

Step 4

Using a laptop and 006640 Engineers terminal cable, run the TMU ET software and connect with the TMU Mk2.

Using the "File" menu, select "Load" then browse to the site specific configuration file (.INI). The software will show the "Setup"/"TMU" tabs, ensure the details match your current location then use the "Update" button to transmit the settings to the TMU Mk2.

The unit may take upwards of 10 minutes to connect to the instation, once connected, the instation will synchronise any further settings automatically.

Step 5

Ensure the TMU Mk2 is detecting vehicles correctly via the "Verification" tab.

Check all connectors and terminals are secure before locking the cabinet.



Parts List:

•Site Configuration File (.INI)
•1 x TMU Mk2
•GPRS SIM card

Tools List:

•Cabinet key
•Permanent Marker
•Laptop running TMU ET software with RS232 serial port
•006640 Engineers terminal cable
•Phillips size 1 (cross head) screw driver (for TMU Mk2 SIM door removal)
•Flathead screwdriver for TMU Mk2 battery compartment

Document Reference:

• TME Engineer's Terminal Operating Manual
•TME Installation and Comissioning Manual
•tPole Installation Manual