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# **Fleet Complete FT1**

## Installation and Servicing Guide



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## Mounting your FT1 device

There are two ways of mounting your FT1 device

- Connect FT1 device directly to OBDII port of vehicle
- Mount FT1 using an OBDII Cable securely fastening the device with zip ties preferably against the chassis of the vehicle to ensure little to no movement.

NOTE: Always connect Device to OBD port while the ignition of the vehicle is OFF to ensure optimal functionality of the modem.

FT1 Connected directly into diagnostic port



FT1 mounted under dash using OBDII Y cable & tie straps to securely fasten device to chassis of vehicle



### FT1 Harness Y Cables

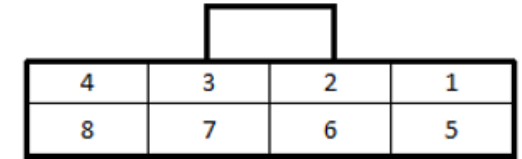
The FT1 can be installed directly into the OBD port of the vehicle or alternatively can be installed using a OBD Y cable. The TTL Molex connector connects to the side of the FT1, Pin Definition provided below

**OBD Universal Y cable**



**OBD to 9 Pin Y**



**FT1 - (8-PIN) Cable Color Table**


PIN at board side	PIN definition	Colour
1	GND	BLACK
2	Relay1 (Ground to close) (-)	ORANGE
3	BMCU_UART4_RX(TTL 1.8v)	GREEN
4	BMCU_UART4_TX(TTL 1.8v)	WHITE
5	BDCDC 5V output	PINK
6	1-Wire_line	YELLOW/RED
7	Input (Ground to close (-))	GREY
8	Relay2	WHITE/BLUE

Note: It is mandatory to use a Relay when Grounding inputs & Outputs.

## Light Patterns & LED Error Codes

LED	Flash Count	Error	Action
Green	1	Sim Error	Check that sim is inserted correctly, reseal sim or replace with another sim
Green	2	No Network	Check that sim card is inserted correctly, also check that you are in a reasonable coverage area. Check mount location of device and ensure there is no obstruction.
Green	3	Unable to register with Network	Verify if a renewal device or recent device\sim swap, confirm sim inside device and that a rate plan exists Check with fulfillment to ensure Sim is active
Green	4	Service Unreachable	Check for poor coverage location, check that line is Active
Green	5	Service Activation Error	Please Contact Technical Support @ 1-800-220-0779
Green	6	Service Sync failure	check with fulfillment the sim is active with a rate plan, Power cycle unit by unplugging device and unplugging internal back up battery

## Light Patterns & LED Error Codes

LED	Flash Count	Error	Action
Blue	3	GPS Signal Weak	Check mount location of device also check for poor coverage area
Red	4	Battery too low to transmit	Using a voltage meter check constant power from Diagnostic port (this may require professional installer assistance)
Red	5	Error reading telematics data	Power cycle unit by unplugging device and unplugging internal back up battery. Leverage hardware support if problem persists
Red	10	Other system error	Please Contact Technical Support @ 1-800-220-0779