Manuals+ — User Manuals Simplified.

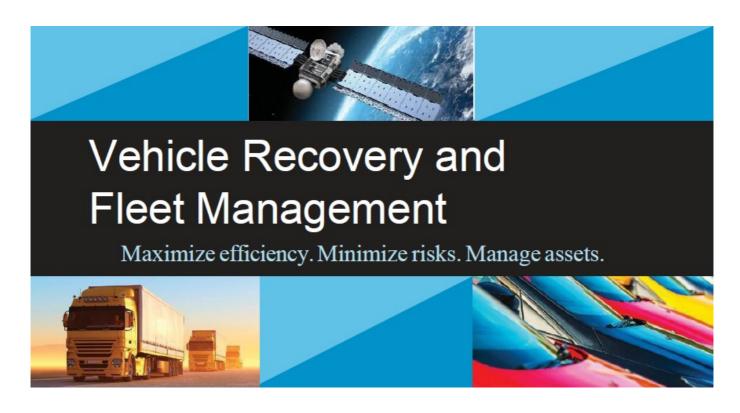# Positioning Universal FT7200MW Vehicle Telematics Gateway Owner's Manual

Contents

Positioning Universal FT7200MW Vehicle Telematics Gateway

Owner's Manual

The FT7200MW is a remote start and security tracking device that uses a GPS satellite receiver to determine location information and an LTE transceiver to communicate information to and from a land based server.

IT'S RELIABLE

The solid yet durable FT7200MW is a high-performance cellular tracking device designed for vehicle financing, vehicle tracking, lot management, theft recovery, or other fleet applications. With an integrated GNSS receiver, the FT7200MW includes an LTE Cat-M modem for wireless data communication. The external high performance antennas for both cellular radio and GNSS receivers make installation easy.

IT'S SIMPLE

The FT7200MW comes with easy-to- configure application software and an extended AT command set. Reports can be triggered periodically or in response to events such as motion, speeding, harsh acceleration and braking, geo-fence violations, and battery status. Notifications can be sent for vehicle towing, battery removal, and more.

IT'S FUNCTIONAL

The FT7200MW interface supports main power supply
can input/output serial buzzer BTN.

A built in 3-axis accelerometer enables motion detection and monitoring of driver behavior. An internal Lithium-Ion back up battery allows for continuous operation for up to 20 hours when the device is disconnected from the main power. An optional buzzer alert system for driver warnings is available inside the unit.

The application firmware is flexible and can be customized to be compatible with your existing server at special request.

HIGHLIGHTS

- LTE Cat-M
- Integrated cellular and GNSS antenna/Ext antenna

- LED status indicators for GNSS and network registration
- Integrated accelerometer for monitoring vehicle status & driver behavior
- I/O options for starter inhibit, ignition
- Rechargeable backup battery
- SMS, UDP, TCP, FTP & MQTT
- Over the air configuration and firmware update
- Extended AT Command set for flexible and easy configuration
- Small size and easy installation
- OPTIONAL FEATURES

Specifications:

CELLULAR

- LTE Cat-M,
- LTE-FDD Bands:
  1/2/3/4/5/8/12/13/18/19/20/25/26/27/28/66/85
- GSM850/GSM900/DCS1800/PCS1900
- WIFI 802.11b/802.11g/802.11n(20M)
- BTS.2

GNSS

- GPS, GLONASS, Beidou & Galileo
- Tracking Sensitivity : -161 dBm
- Acquisition Sensitivity : -146 dBm
- Location Accuracy : < 2.SCEP

BATTERY INFORMATION

- Type : Li-ION
- Capacity : 1900mAh @ 3.7V
- Battery Life : Up to Shours @ hibernation mode, 1 report per hour.(depends on the LTE signal strength and how many reports per hour)

ENVIRONMENTAL

- Operation Temperature: -30°C to +70°C without Battery
- Storage Temperature: -40°C to +85°C

ELECTRICAL

- Operating Voltage: 6V – 90V
- Over voltage protected

- Power Consumption:
- √ Active mode: : ~ 120mA @ 12V
- √ Low power mode: < 15mA @12V

PHYSICAL

- Dimensions: 183.8 x 118.0 x 31 mm
- External Cellular and GPS Antennas
- Internal WIFI and BT Antennas
- Weight: ~470g

INTERFACE CONNECTORS

- Cable Harness :
- 4-Pin Power Cable
- 10-Pin CAN Cable(*2)
- 8-Pin Serial Cable(*2)
- 16-Pin I/O Cable
- 2-Pin Buzzer Cable
- 2-Pin BTN Cable
- Ethernet port cable

APPROVALS

- FCC &IC
- CE &CE Safety
- PTCRB & eMark

Asiatelco Technologies Inc. (ATEL)

Asiatelco is the leading provider of wireless terminal products to its value customers worldwide. Its innovative products and solutions are widely used for reliable broadband access, IoT/M2M applications and voice communication with 4G LTE, 3G & 2G wireless technologies. ATEL's sales and marketing are globally positioned. It has become globally well-known company in the wireless industry due to its excellent products, solutions and services.. For more information, contact Asiatelco Technologies Inc.

Asiatelco Technologies Inc. | 4611 Teller Ave, Newport Beach, CA 92660, USA
ales@asiatelco.com

FCC Regulations:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2)this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a

residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/ TV technician for help.

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. To comply with FCC RF Exposure compliance requirements, this grant is applicable to only Mobile Configurations. The antennas used for the transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

ISED Warning statements

This device complies with Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

(I) This device may not cause interference; and
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présentappareilestconforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitationestautorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareildoit accepter tout brouillageradioélectriquesubi, mêmesi le brouillageest susceptible d'encompromettre le fonctionnement.

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.

Pour se conformer aux exigences de conformité CNR 102 RF exposition, une distance de séparationd'aumoins 20 cm doitêtremaintenue entre l'antenne de cetappareilettoutes les personnes.
This Class B digital apparatus complies with Canadian ICES-003.
Cetappareilnumeriquede la classe B estconforme a la norme NMB-003 du Canada.

Asiatelco Technologies Inc. | 4611 Teller Ave, Newport Beach, CA 92660, USA **ales@asiatelco.com**

Documents / Resources

Positioning Universal FT7200MW Vehicle Telematics Gateway [pdf] Owner's Manual
2AHRH-FT7200MW, 2AHRHFT7200MW, FT7200MW, FT7200MW Vehicle Telematics Gateway
, Vehicle Telematics Gateway, Telematics Gateway, Gateway

References

- **User Manual**