Solara FT2100 Quick User Guide

Turning On the FT2100

To turn on your FT2100, push the On/Off toggle switch on the right side of the unit upward to the "On" position.

The FT2100 will show the Solara logo on the display, then the main screen. As the GPS is activated, a line reporting the number of GPS satellites heard will appear.

GPS and Iridium antennas (protected inside case)

Tether Eyelet

Display Screen

On/Off Switch (Shown in ON Position)

Tactile Keypad with Integrated LEDs

Alert Switch Under Activation Pull Tab (Shown in OFF Position)

Power/Charger/USB Connector

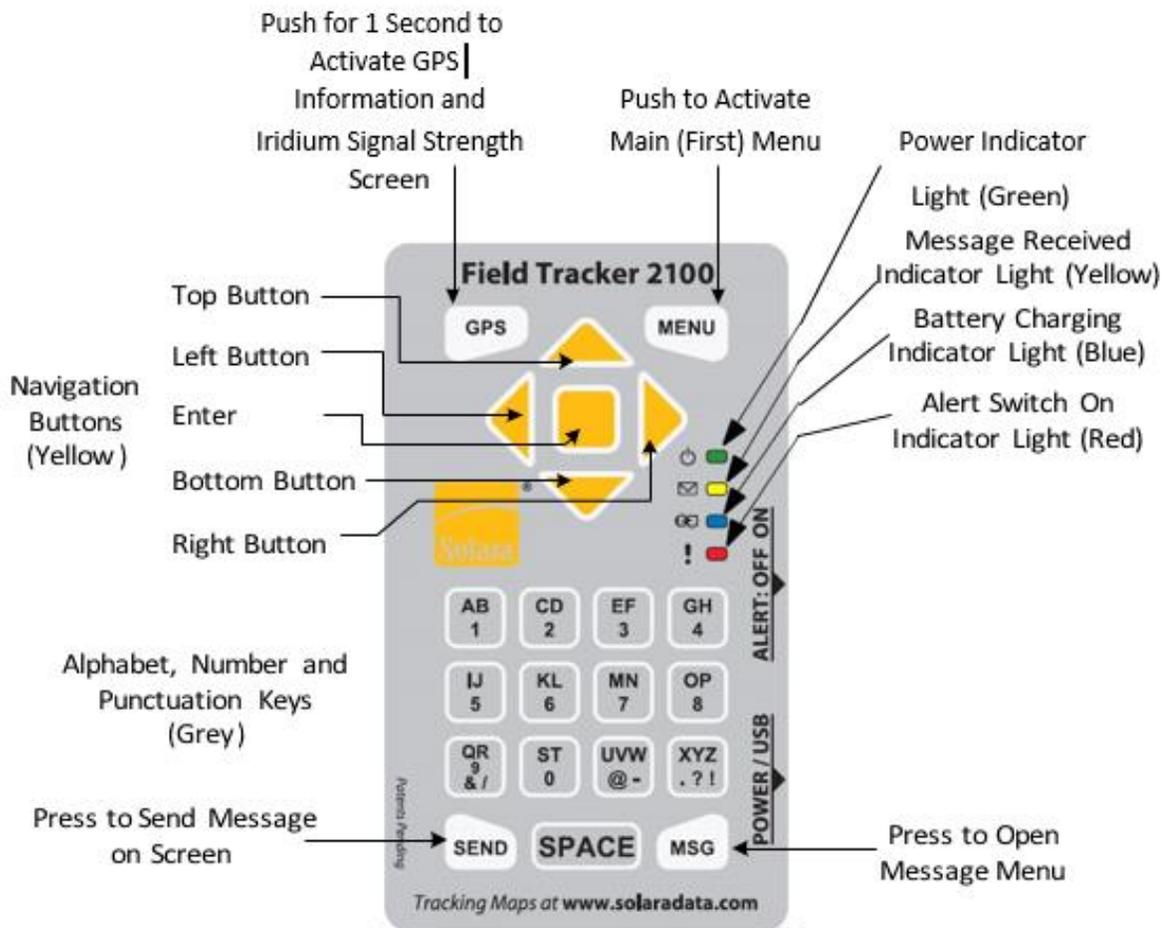## Automatic Tracking with the FT2100

When the power switch is on the FT2100 is automatically tracking. The FT2100 will automatically transmit a GPS position over the system and then turn off the screen as it goes into power save sleep mode. The FT2100 will turn off the screen automatically and go into power save sleep mode. You will see the green light flash about every 3 seconds once it is in this mode. The FT2100 will automatically wake up at the programmed time to send the next position report. In order to save power, the FT2100 does not turn on the screen when doing routine position reports.

To wake up the FT2100 from power save mode and activate the display screen, hold down the square yellow key in the middle of the top arrow keys for several seconds until the colour display appears.

Sending Text Messages

There are two types of text messages that can be sent from the FT2100; pre-formatted text messages under the "Send Txt Msg", "Custom Msgs" or "View Sent Msg" menus, or free-form text messages typed in manually in the "Make Txt Msg" menu.

Push for 1 Second to Activate GPS Information and Iridium Signal Strength Screen

Push to Activate Main (First) Menu

Power Indicator Light (Green)

Message Received Indicator Light (Yellow)

Battery Charging Indicator Light (Blue)

Alert Switch On Indicator Light (Red)

Field Tracker 2100

GPS   MENU

Top Button

Left Button

Navigation Buttons (Yellow)   Enter

Bottom Button

Right Button

ALERT: OFF ON

Alphabet, Number and Punctuation Keys (Grey)

AB 1	CD 2	EF 3	GH 4
IJ 5	KL 6	MN 7	OP 8
QR 9 &/	ST 0	UVW @-	XYZ .?!

POWER / USB

Press to Send Message on Screen

SEND   SPACE   MSG

Press to Open Message Menu

Tracking Maps at www.solaradata.com

To send a text message, ensure the unit is in the "On" position. If the FT2100 is in power save mode, hold down the square yellow "Enter" key to wake the FT2100.

Once the screen is on, hold down one of the yellow front navigation keys until a menu appears, then release the key. Hold down the Enter key to select "Send Txt Msg" or "Make Txt Msg" then release the key.

To choose a message to send from the "Send Txt Msg" preformatted message menu, push down the left or right yellow navigation keys to show each message on the screen. This is indicated by the discrete arrowheads pointing left and right either side of the "MSG" number on the second line of the screen. Once the message you wish to

send is displayed, push the Enter key. Answer "Yes" to the pop-up prompt by holding down the top key, and then Enter to confirm. The FT2100 will beep when the message is confirmed sent.

To type a text message on the front keypad, choose "Make Txt Msg" from the Messages menu. Once the blank screen opens, the message can be typed using the grey keys on the front keypad.

Sending Alert Messages

To send an Alert message, reach under the toggle switch cover and turn on the Alert toggle switch. If the FT2100 was not on, this will also turn on the FT2100. The FT2100 will then enter Alert Mode begin the Alert sequence.

After the initial Alert message is sent, a menu will be presented for you to choose the reason for the Alert. As with other menus, use the top and bottom keys to choose an Alert cause, then press the "Enter" key. Once an Alert cause is sent, the FT2100 will wait for an acknowledgement message from the person/service monitoring the Alerts. Once a message is received, or the acknowledgement wait period expires (about 5 minutes) you can leave the Alert switch on and continue text messaging with the menus.

Green "Power Indicator" Light	• This illuminates until the display is on, when the FT2100 is powered on with the ON/OFF switch or the Alert switch. • When the FT2100 is in low power sleep mode, this light flashes about every 3 seconds to indicate power is on and the FT2100 is operating in sleep mode. • This light turns on when transmitting a message or position report to an Iridium satellite. It remains on until an acknowledgement is received from the Iridium satellite. • When a transmission is confirmed to be successful, this light flashes several times quickly. If a transmission was not successful, even after the maximum number of transmission retries, this light flashes slowly for a few seconds.

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Yellow "Message Received" Light	The yellow light has two functions: • This light flashes after the FT2100 is turned on with the side On/Off toggle switch or Alert switch as the FT2100 goes through the startup sequence. • When a text message is received, this light is turned on. When the message is read, the light will go out. If the FT2100 is in low power mode, this light will flash at the same time the green light flashes if there is an unread message in the FT2100.
Blue "Battery Charging" Light	This light is on whenever the built-in battery charger is charging the batteries. When the batteries are nearly charged, this light may flash on and off slowly as the charger enters a top-off charge mode.
Red "Alert Switch On" Light	When the red light is on, this indicates the Alert toggle switch has been turned on and the FT2100 is now in the emergency Alert mode.

Charging the Internal Battery

To charge in a vehicle, plug the vehicle accessory connector into the socket in your accessory power connector. This can be from 8 to 32 Volts, so using the accessory socket in vehicles with 24 volt power systems is OK.

Power

Internal 2.5 amp hour NiMH rechargeable battery
Approximately 5% of battery power is held in reserve for Alert switch operation only
Battery life: with 20 minute position reporting intervals at 18 °C, a fully charged new NiMH 2.5 Amphour battery will last approximately 7 days with 10 minutes use of the display over that time. Reducing use of the display saves power. Battery life will vary depending on battery age and temperature.

Youtube Video For Groomer Operators

https://www.youtube.com/watch?v=HClsNBv4HQ8