TELETYPE GPS

User Guide
WorldNav 3100

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WorldNav 3100

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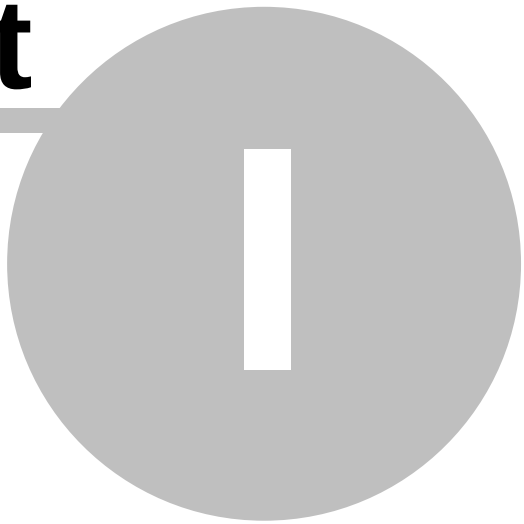

1 Introduction

1.1 Disclaimer

Use the WorldNav 3100 at your own risk. To reduce the risk of unsafe operation, please carefully review and understand this user manual.

It is the user's responsibility to use this product prudently. This product is intended to be used only as a navigational aid and must not be used for any purpose requiring precise measurement of direction, distance, location, or topography. Statistics provided such as trip time are best estimates and may not accurately reflect true conditions.

The Global Positioning System (GPS) is operated by the United States Government, which is solely responsible for its accuracy and maintenance. The system is subject to changes which could affect the accuracy and performance of all GPS equipment.

For use in vehicles, it is the sole responsibility of the owner/operator of the TeleType GPS WorldNav 3100 to place and secure the GPS unit so that it will not interfere with the vehicle operating controls and safety devices, obstruct the driver's view of driving conditions, or cause damage or personal injury in the event of an accident. Do not mount the TeleType GPS WorldNav 3100 in a place where the driver or passengers are likely to impact it in an accident or collision. The mounting hardware supplied by TeleType Co. is not warranted against collision damage or the consequences thereof.

When used in vehicles, it is the sole responsibility of the driver of the vehicle to operate the vehicle in a safe manner, to maintain full surveillance of all driving conditions at all times, and not become distracted by the GPS system to the exclusion of safe driving practices. It is unsafe to operate the controls of the GPS system while you are driving. Failure by the driver of a vehicle equipped with a TeleType GPS system to pay full attention to operation of the vehicle and road conditions while the vehicle is in motion could result in an accident or collision with property damage and personal injury.

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1.2 Welcome

Congratulations on purchasing the TeleType WorldNav 3100! This document will provide you with information on how to use the GPS. For software information read the documentation located in the Software Manual.

1.3 In the Box

Upon receiving your WorldNav 3100, open the box to find the following items:

- WorldNav 3100 Touch Screen GPS
- Car Power cord
- USB Sync cable for computer connectivity cord
- Windshield mount
- Dash mount adapter
- Carrying bag
- User Guide
- Quick Start Guide

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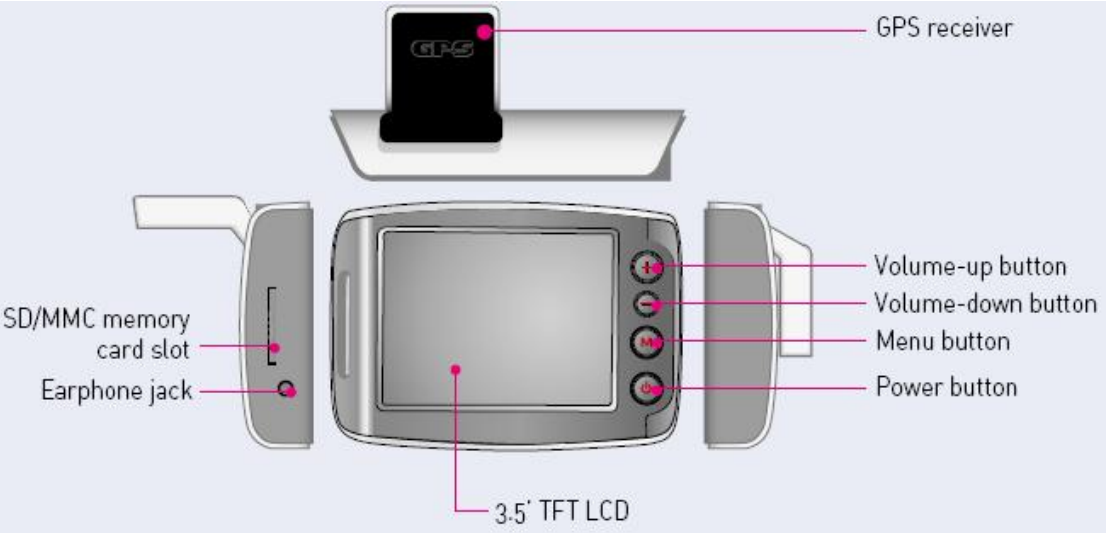
1.4 Your WorldNav 3100 GPS System



Front of your WorldNav 3100

Back of your WorldNav 3100

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1.5 Quick Start Method

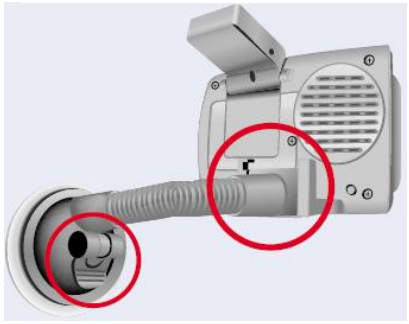
1. Plug in the WorldNav 3100 to the 12v car power lighter in your vehicle. In order to charge the unit while driving, plug the power cord into the hole on the bottom right side of the GPS. The GPS will charge when your car is on. If the WorldNav does not turn on immediately, press the Reset button located on the back of the GPS. The reset button will not erase any of your saved history or points.

2. Your WorldNav includes a pre-configured Secure Digital card with maps and points of interest pre-installed. The card has already been inserted into the GPS. Removing the card will result in the GPS becoming non-operational. If in addition you have purchased an expansion SD Card, to insert your Secure Digital Card in the side of the GPS, make sure the metal connection points on the card match with those visible inside the device. To remove the card press down on the card, it will pop up and you can then remove the card from the slot.

Secure Digital Card

3. Attach your GPS system to the windshield by putting the suction cup on the window (moisten cup if necessary) and then by using the flip button next to the suction cup to achieve suction. Rest the GPS on the dash to help stabilize it against vibration.

4. Flip the built-in receiver up and pointed towards your windshield. The WorldNav 3100 will automatically lock into your GPS position; there is no configuration required. The GPS will know your direction of travel only once you begin to move.



Mounted WorldNav 3100

5. From the Main Menu Screen select <Navigation>.

Device Main Menu Screen

6. Press the <I Agree> button to start using the GPS Device.

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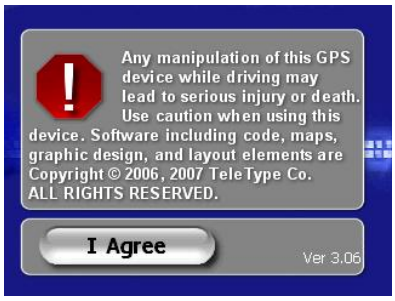


Disclaimer Screen

7. If the GPS has not yet locked into position, you will see <Where To> and <Menu> at the top of the map screen. The map will display your last position centered in the "target" [+] area. Press <Where To> on the screen to get to the navigation screen.

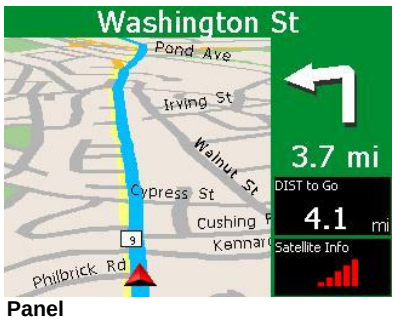
Main Mapping Screen

7. Put in your destination by Address, Intersection or POI (point of interest).

8. The map route from your current location to the selected location should be displayed.

Routing from your last known position

9. If the GPS is locked into position you will hear "GPS position fixed, ready to navigate." The <Where To> and <Menu> buttons will disappear.



Sample Routing Screen with Navigation Panel

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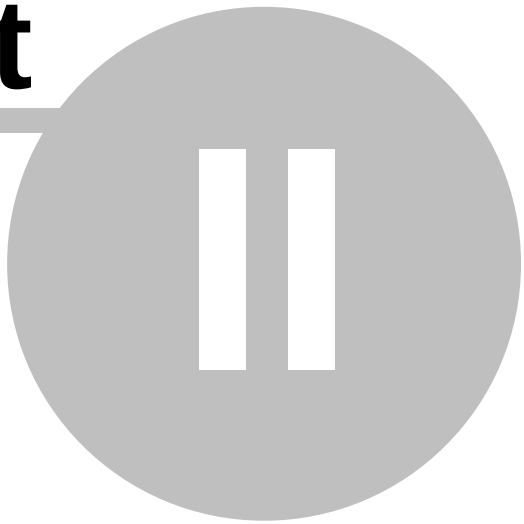
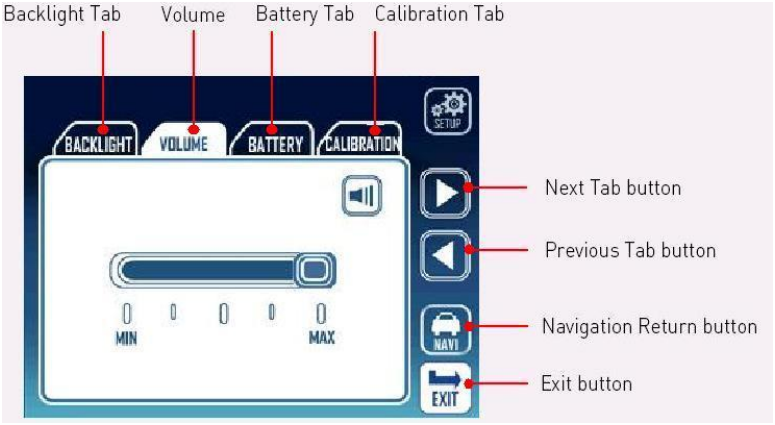


2 Hardware Settings

2.1 Settings Menu

Here you can change the brightness and volume, calibrate the screen, and check the battery life.

Hardware Settings Button



Hardware Settings Menu

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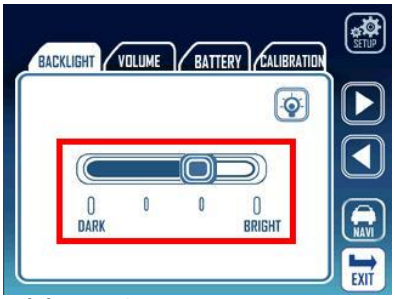
2.2 Brightness

1. Press the <Main Menu> hardware button and then <Settings>.

Main Menu - Settings

2. Select the <Backlight> tab and adjust the slider to change screen brightness. A lower Backlight setting will conserve the battery life.



Brightness Screen

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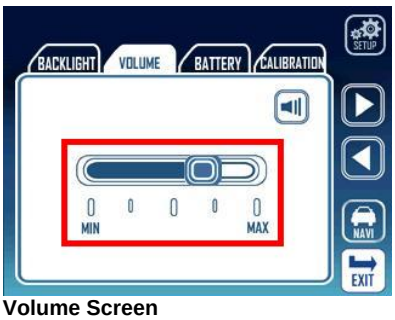
2.3 Volume

1. Press the <Main Menu> hardware button and then <Settings>.

Main Menu - Settings

2. Select the <Volume> tab and adjust the slider to increase or decrease the volume.



Volume Screen

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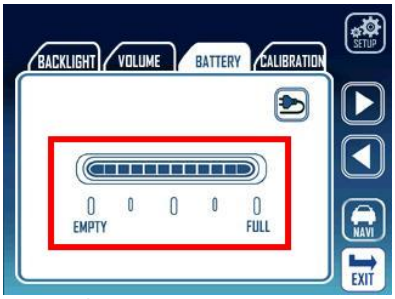
2.4 Battery

1. Press the <Main Menu> hardware button and then the <Settings> button.

Main Menu - Settings

2. Select the <Battery> tab. The bar shows you how much battery life is remaining. If the device is showing 1/4 or less power remaining you should use the car power cord while driving to recharge the device.



Battery Screen

When the remaining power in the battery is 20~30 % of its full capacity, a warning window is displayed. In such a case, immediately recharge the battery.

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2.5 Unit Charging

Your WorldNav GPS has been tested for functionality. During the shipping process the battery may have become discharged.

1. Plug the power cord into the bottom of the GPS in the hole marked DC 12V. Do not plug the cord into the Audio jack.
2. Press <Reset> button located on the back of the GPS.
3. As you drive, the battery will charge.

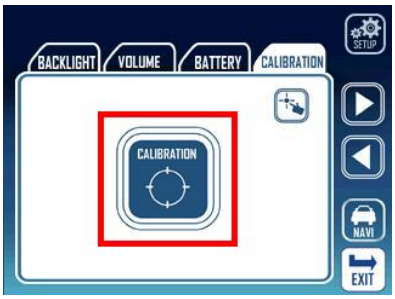
The WorldNav 3100 can be charged with an AC/DC adapter or the included car power jack. AC/DC adapters (part # 3020) can be purchased on the TeleType website. Note: If you buy an A/C adapter be sure to choose one that offers 12 volts, 1 amp power. Using lower than 1 amp will not allow the battery to re-charge.

2.6 Calibration

1. If you touch the screen and the wrong letter appears, you may need to calibrate the GPS. Press the <Main Menu> hardware button and then <Settings>.

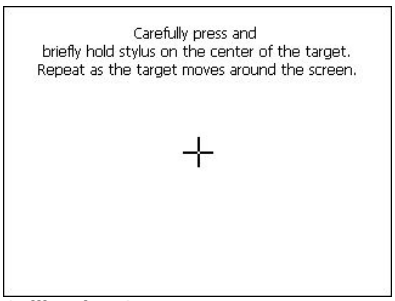
Main Menu - Settings

2. Select the <Calibration> tab and press the <Calibration> button.



Calibration Button

3. Use a stylus (or dull pencil) to press a series of cross-hatches that will appear on your screen to calibrate your screen display. Repeat this process periodically to optimize screen accuracy.



Calibration Screen

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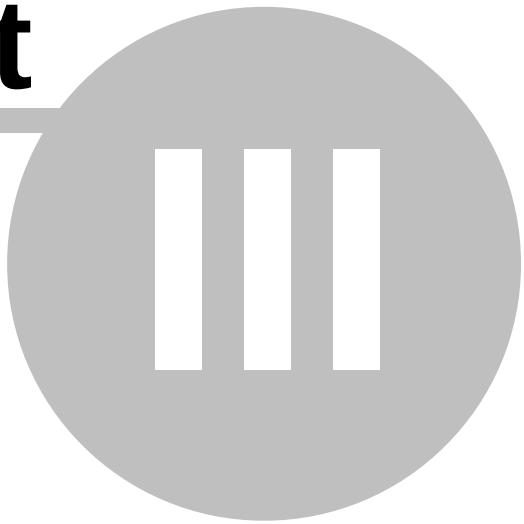

3 Power and Battery Charging

External Power Mode:	Power is supplied to the system from an AC/DC adapter or the included car power jack in your car. [Power button] light is red: The battery is being charged. [Power button] light is green: The battery is fully charged.
Battery-powered Mode:	Power is supplied from the battery when an AC/DC adapter or the included car power jack is disconnected. [Power button] Green light blinks: Remainder battery is more than 50% of its full capacity. [Power button] Red light blinks: Remainder battery is less than 50% of its full capacity.
Power-saving Mode:	Pressing [Power button] switches the system to the power-saving mode. Pressing the power button again returns the system to the operation mode.
Forced Power-saving Mode:	When the remainder power in the battery is 20~30 % of its full capacity, the warning window is displayed. In such a case, immediately recharge the battery. If the battery is almost discharged, it enters forced power-saving mode automatically.
Conserving Battery:	To conserve battery life you need to completely turn off your GPS rather than simply turn the screen off. Press the Reset button, located on the back of the device, for three seconds or until the device shuts off. To turn the GPS back on, press the reset button once. You will not lose any data in the process, all addresses and routing will be retained.

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Part

4 Device Specifications

Physical Specifications:

Storage:	Secure Digital (SD) storage card.
Processor:	Samsung S3C2440 300MHZ
Operating System:	Microsoft® WinCE.NET 4.2
Display Screen:	Samsung 3.5 inch color TFT touch screen
Memory:	64MB SDRAM 32MB Flash ROM
Expansion Slot:	SD/MMC Slot for map and music storage
Audio:	Built-in Speaker 3.5mm Stereo Headphone Jack
GPS Chipset:	20 Channel SiRF III
Input Method:	Stylus Pen, Touch Screen, Key Button
External Ports:	Mini USB (ver 1.1) connector
Power Supply:	12~24V / 2A
Dimension (HxWxD):	3.12 x 4.37 x 1 inches / 79.24 x 110.99 x 25.4 mm
Weight:	6 ounces / 170.1 grams
Operating Temp:	Optimal: -4 F to 158 F (-20 C to 70 C) Maximum: 176 F (80 C)

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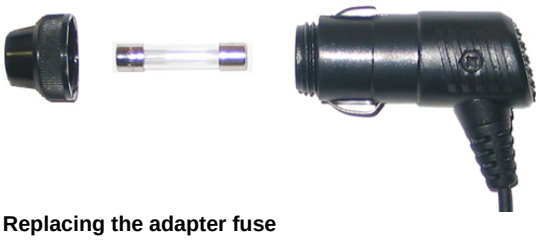
Part V

5 Changing the Adapter Fuse

In the event that the power cable fails to power the GPS you can replace the fuse. The end of the car power lighter adapter unscrews, revealing a fuse just inside the cover. Replace the fuse with a functioning fuse. Replacement fuses (2 Amps) are readily available from electronics stores.



Replacing the adapter fuse

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Part

6 Troubleshooting Questions

1. **How do I charge my device?** The WorldNav 3100 can be charged with an AC/DC adapter or the included car power jack. AC/DC adapters can be purchased at the TeleType GPS website.

2. **I can't get my device attached to the windshield.** Place the suction cup firmly on the window and flip the black switch which draws suction from the cup to attach the device. In cooler or drier conditions, you may need to warm the windshield or moisten the suction cup for maximum seal.

3. **When I touch the screen, the proper button doesn't light up.** The screen may need to be recalibrated. Please see the 'Calibration' section under 'Hardware Settings' for how to calibrate your touch screen.

4. **Does the USB cable charge the device?** The USB cable is for connectivity. It cannot charge the GPS.

5. **I can't get power on my car adapter.** If you can get power on the 110V cable but not in your car, it is likely that the fuse inside the adapter is blown. Twist to unscrew the cover (the part that sticks into the lighter) and replace the fuse with a fresh one.

6. **My device is making a buzzing noise and is difficult to power up. How can I get the GPS to turn on?** This may occur if the 3100 battery dips below 15%. Follow this procedure to correct the situation:
   1. Remove SD card (by gently pressing the card into the device, it will then spring back out).
   2. Connect the 12v power cord provided with the device while the motor is running in your car.
   3. Press Reset (found on the back of the device).
   4. Re-insert the SD card (make sure you hear a clicking sound that indicates the SD card was inserted fully).
   5. Press reset again. Let the device charge in the car.

   Before removing the device from the car you may want to check the battery remaining indicator. To check the battery life press the Menu button on the hardware that will bring you to the start up screen. Press <Settings> and tap the <Battery> tab. This will display a bar that represents your remaining battery life. If the bar appears to be continuously refilling, the battery is charging.

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