TT3300BB

QUICK INSTALL GUIDE

Attention:
This GPS Device is shipped temporarily preactivated for the installer to send up to 50 test commands before having to send in the activation form.

STEP 1: Modem Install Location

To ensure a strong wireless connection, the GPS device must be installed in the upper portion of the dash, with little to no metal blocking the unit from the sky. Ensure the modem is installed flat with the correct side pointed skyward. The modem will have markings indicating which side is to be pointed up and down. DO NOT Install Modem near the vehicle's Radio or BCM "Body Control Module", keep a safe minimum distance of 18 to 24 inches.

STEP 2: Primary Modem Wire Connections

Black: Ground
Red: 12 Volts
Brown: Ignition (MUST be a true ignition source)
GROUND MUST BE CONNECT DIRECTLY TO CHASSIS WITH PAINT REMOVED

STEP 3: BB Data Port Output Control Connection: Yellow Wire

The Yellow BB Data Port Output wire on the GPS device connects to grey / black instant trigger line of a BB Data port ready Titan remote starter. The Titan Starter must be programmed for BB Data Port Input Sensing!!! Starter Menu M3-2-2 or M3-2-3 *See attached programming menu for further details*

STEP 4: BB Data Port Input True 2-Way Feedback Connection: Blue Wire

The Blue BB Data Port Input wire on the GPS device connects to the orange starter disable wire of a BB Data port ready Titan remote starter. The Titan starter must be programmed for BB Data Port Output to send true 2-way feed back into the GPS device's BB Data Input Port. Starter Menu: **M2-5-3 Requires a 12Volt 1K Pull-Up!!!** (See Install Wire Diagram)

STEP 5: Confirm LED Status

Blue: No Flash	No Network	✗
Blue: 1 Flash / Second	No Data Connection	✗
Blue: 1 Flash / 4 Seconds	Connected / Online	✓
Green: 3 Quick Flashes	Invalid GPS	✗
Green: 1 Flash / Second	Valid GPS	✓

STEP 6: Confirm Vehicle Connectivity

Confirm BB Data Port Connectivity via App

A	Log onto Test Account by downloading the Titan GPS App, use the GPS device's Serial SID number for the login & password.
B	Try sending Door Unlock, Lock and Start commands. A valid BB Data port output connection should control the vehicle as intended.
C	Try sending a "Start" command to the Titan remote starter while having your foot pressed on the break pedal in the vehicle. If the True 2-Way BB Data port connection is valid, you should get a "Failed Start Brake" 5 to 15 sec after the app displays "Engine Started".
D	If you're connecting to a Titan Remote Starter w/ Alarm and want to test the alarm sounding alerts. You'll have to log onto Titan's Dashboard Tracking Website to setup an alert rule to be notified via Email or SMS on an Alarm Sounding or Intrusion Alert. See website address below.

Confirm BB Data Port Connectivity via Website Dashboard

A	Log onto Test Account by going to the Titan Dashboard website at TitanInnovations.ca, use the Device's Serial SID number for the login & password.
B	Try sending Door Unlock, Lock and Start commands by simply clicking on the asset in the asset column on the left. The "Asset Info" box will populate at the bottom left side of the page, there you will find a little remote control icon on top of the "Asset Info" box. There you will find all vehicle control commands, a valid BB Data port Connection should control the vehicle as intended.
C	Try sending a "Trunk" command, if the True 2-Way BB Data port connection is valid, you should get a second confirmation 5 to 15 sec after the asset information box displays "Trunk opened".
D	If you're connecting to a Titan Remote Starter w/ Alarm and want to test the alarm sounding alerts. Log onto Titan's Dashboard Tracking Website, trigger the alarm and look to see if an Alarm Sounding or Intrusion alert message is displayed in the asset information display box.

For Live Tech Support:
Call Certified Tracking Solutions at 1-780-391-3800.
8AM to 6PM Monday to Friday MST
www.TitanInnovations.ca

TT3300BB — INSTALL TYPE: Direct BB Data Port Connection

Orange Wire Programmable:
M2-5-1 Starter Disable
M2-5-2 Ground Out while Running
M2-5-3 BB Data Port Output (Requires a 1K 12V Pull-up)
M2-5-4 Horn Out

Grey / Black Wire Programmable:
M3-2-1 Glow Plug Only
M3-2-2 BB Data Port Input
M3-2-3 BB Data Port Input w/ 15 Sec Diesel Delay
M3-2-4 Instant Trigger & Glow Plug Input

MODEM WIRES
12V: Red Modem
IGN: Brown
GRD: Black
BB Data Out: Yellow
BB Data In: Blue

TITAN STARTER WIRES
Grey/Black: BB Data Port Input
Orange: BB Data Port Output

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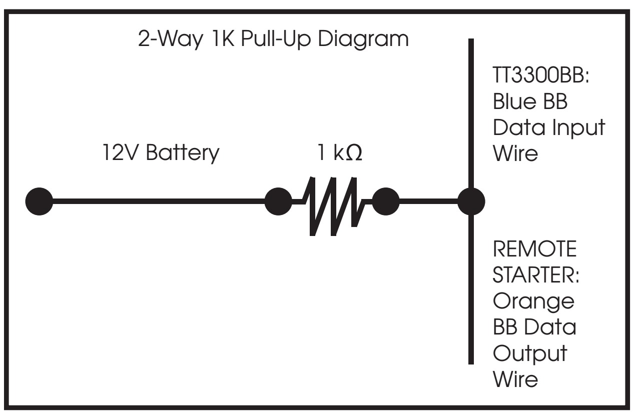
Notes:

- Connect the TT3300BB Blue Input Wire to the Orange Output on the Titan Remote Starter that is programmed for BB Data Port Mode
- Connect the TT3300BB Yellow Out Wire to the Grey / Black Input on the Titan Remote Starter that is programmed for one of the BB Data Port Modes
- Please ensure to add the supplied 12Volt 1K resistor Pull-up to the Orange BB Data Port Output wire when connected to the Blue BB Data input on the TT3300BB

IMPORTANT INSTALLATION NOTE!!!!
The True 2-Way BB Data Input Port MUST have a 12 volt 1K resistor pull up. Please see diagram below.



Download the Free App in the iTunes App Store; Search "B&B Electronics" or "Titan GPS"

PROGRAMMING:

1. Turn ignition ON-OFF-ON-OFF-ON.
2. Press the valet switch once and release. The parking lights will turn on and the siren/horn will chirp once.
3. With the park lights staying on, select a desired Program Menu using the transmitter. Pressing button 1 on the transmitter will select MENU 1; pressing button 2 will select MENU 2; pressing button 3 will select MENU 3; pressing button 4 will select MENU 4. The park lights will flash and the siren/horn will chirp once to confirm the selected menu.
4. Select Programmable Settings in Sub-Menus (Still in programming mode):
   A) Press and release the Valet (Program) Button the correct number of times to select the desired Sub-Menu. The park lights will flash once each time the programming button is pressed. The LEDs in the antenna will flash and the siren/horn will chirp to indicate which Sub-Menu has been selected. For example: 1 LED flash and 1chirp= Sub-Menu M1-1, 2 LED flashes and 2 chirps=Sub-Menu M1-2, etc.

   B) Once the correct Sub-Menu has been selected, press and hold the Program Button until the park lights flash and the siren/horn chirps to confirm the desired setting. For example: 1 park light flash and 1 chirp= Setting 1; 2 park light flashes and 2 chirps= Setting 2; 3 park light flashes and 3 chirps= Setting 3. The LEDs will continue to flash indicating which Sub-Menu you are in (Note: LEDs turn off when the programming button is held down).

Configuring the I/O Pins for Single Wire Data Usage

ORANGE WIRE: Starter Disable / GWR Functions / Single Wire BB Data Output / Horn Output
Programming as follows:
M2-5-1 Flash GWR wire acts like Starter Disable /Anti- grind and is active when locked or remote starter. Passive /Active controlled by M2-7.
M2-5-2 Flashes GWR is active only when remote starter is active.
M2-5-3 Flashes SINGLE WIRE DATA OUTPUT
M2-5-4 Flashes Negative Horn output 300mA (default) (Timing and duration controlled by M1-6. See Starter Manual for Details)

GREY/BLACK WIRE: Glow Plug / BB Data Port Input / BB Data Port Input w/ 15 Diesel Delay / Instant Trigger & Glow Plug Input
Programming as follows:
M3-2-1 Flash Glow plug line will not instant trigger for start.
M3-2-2 Flashes SINGLE WIRE DATA INPUT
M3-2-3 Flashes SINGLE WIRE DATA INPUT WITH 15 SECOND DIESEL ENGINE TIME DELAY
M3-2-4 Flashes Glow plug line will function as instant trigger to start and Glow Plug input.