

Software Procedure

How To Pair a Wireless Sensor to a Tank Monitor



Support

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From 8 AM-6 PM EST

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After-hour Emergency Support

From 6 PM-8 AM EST

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*Only North America. Only call this number in an emergency.

This document will provide software installation instructions for wireless sensors compatible with the TM5040 (GEN2) and TM5240 (GEN3).

Before You Begin

Ensure your TM5040 has firmware 2.132 or later or your TM5240 3.54 or later. For any sensors unable to pair with the TM contact Otodata Support (page 2).

You will need:



A connection to the Internet
(WiFi or cellular network).

Safety and Warnings



THE INSTALLATION OF THE DEVICE IS RESERVED ONLY FOR PROPERLY TRAINED PERSONNEL AND MUST BE APPROVED BY THE SAFETY BODY HAVING JURISDICTION.

These instructions are made to assist technicians familiar with liquid storage tank equipment. Most consumers are not qualified to perform the installation described herein. If you have any questions concerning installation or operation of this product, contact Otodata or one of our authorized distributors for assistance.



EQUIPMENT IS INTENDED FOR FIXED AND GROUNDED INSTALLATION ONLY.

Supported Sensors



WIRELESS SENSORS ARE DEPENDENT.

A tank monitor is required for a wireless sensor to connect to the Nee-Vo Portal.

WS10XX



RC1010



WS2000
SureSense



VM2019/2025



Software Instructions

Pairing a Wireless Sensor with a Tank Monitor

A tank monitor can pair with up to eight nearby sensors.

1. Log in to the Otodata Portal (<https://neevo.otodata.ca/>).
2. Navigate to the *Devices* page by clicking *Tanks* in the main menu, then *Devices*¹.
3. Use the table's search and filter tools to locate the monitor you wish to connect to.
4. Click the arrow on the far left of the selected row to expand the *Sensors* section.

¹ User must have the role Admin (Administrator) to access the Devices page.

The screenshot shows the 'Devices' page in the Otodata Portal. At the top, there is a navigation bar with 'Tanks', 'Config', 'Admin', 'Integrations', and 'Help'. Below the navigation bar, the 'Devices' section has a search bar with '27000573' entered, and buttons for 'Search', 'Clear', and 'Reset sorts'. There are also 'Columns' and 'Actions' dropdown menus. The main table lists device details: S/N, Model, Is Gateway, Value Type, Enclosure Temperature, Battery, Last Communication, Gateway S/N, Radio, and Reference Id. The first row is selected, and a blue circle highlights the expandable arrow on the left. Below this row, the 'Wire Sensors' section is visible, showing a table with columns: ID, Index, Primary, Status, Tank Name, Alert Profile, Value Type, Value, Last Communication, Physical Addr., and Mode. The 'Wireless Sensors' section is expanded, showing a table with columns: ID, Channel, Primary, Status, Tank Name, Alert Profile, Value Type, Value, Last Communication, Enclosure Temperature, Battery, and Radio. The expanded table contains three rows of sensor data. A blue box highlights the expanded 'Wireless Sensors' section. At the bottom, there is a pagination bar showing 'Page 1 of 1 (1 items)' and a '1' button.

S/N	Model	Is Gateway	Value Type	Enclosure Temperature	Battery	Last Communication	Gateway S/N	Radio	Reference Id
27000573	TMS240		0	72 °F	3.52 Vdc	44 minutes ago		48%	

ID	Channel	Primary	Status	Tank Name	Alert Profile	Value Type	Value	Last Communication	Enc...	Battery	Radio...
f1:60:74:56:48:7d 56000124	A	✓	Critical Low		Default	0	16777215	44 minutes ago	72 °F	3.58 Vt	48%
60:c0:bf:e2:3a:73 R0S4320 v3	B	✓	OK		Default	0	3890	44 minutes ago	72 °F	91 %	48%
fd:07:53:8c:56:1b 56000157	C	✓	OK		Default	0	5000	44 minutes ago	72 °F	3.52 Vt	48%

Software Instructions

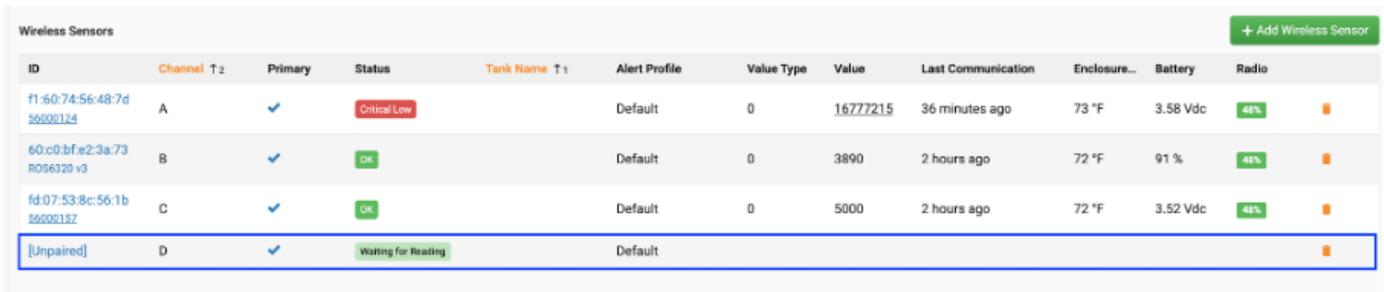
5. Then click the green [+ Add Wireless Sensor](#) button which will create a new entry in the Wireless Sensor section called “[Unpaired]”.



ID	Channel ↑ 2	Primary	Status	Tank Name ↑ 1	Alert Profile	Value Type	Value	Last Communication	Enclosure...	Battery	Radio
f1:60:74:56:48:7d 56000124	A	✓	Critical Low		Default	0	16777215	29 minutes ago	73 °F	3.58 Vdc	48%
60:c0:bf:e2:3a:73 R056320 v3	B	✓	OK		Default	0	3890	an hour ago	72 °F	91 %	48%
fd:07:53:8c:56:1b 56000157	C	✓	OK		Default	0	5000	an hour ago	72 °F	3.52 Vdc	48%
[Unpaired]	D	✓	Not installed		Default						

6. Click [\[Unpaired\]](#) to open the *Edit* screen.

7. Toggle **ON** the [Installed](#) switch to activate the new entry. Then scroll down and click [Save](#).



ID	Channel ↑ 2	Primary	Status	Tank Name ↑ 1	Alert Profile	Value Type	Value	Last Communication	Enclosure...	Battery	Radio
f1:60:74:56:48:7d 56000124	A	✓	Critical Low		Default	0	16777215	36 minutes ago	73 °F	3.58 Vdc	48%
60:c0:bf:e2:3a:73 R056320 v3	B	✓	OK		Default	0	3890	2 hours ago	72 °F	91 %	48%
fd:07:53:8c:56:1b 56000157	C	✓	OK		Default	0	5000	2 hours ago	72 °F	3.52 Vdc	48%
[Unpaired]	D	✓	Waiting for Reading		Default						

8. If you return to the *Devices* page you will see that the new wireless sensor entry will now have the “Waiting for Reading” status indicating that the monitor is searching for the nearest BLE device to pair with.

Typically, the monitor will try to pair with the BLE device with the strongest signal strength (often the nearest device). If the signal is persistent (more than one hour of steady connection) the monitor will officially claim the device.

Once the BLE device and the Otodata monitor are officially paired the sensor’s status will change from “Waiting for Reading” to “OK”.

The pairing process may take an hour or less.

Setup complete.

**Members can watch
step-by-step installation
videos and shop online**



Sign up free today

otodatatankmonitors.com/membership

Members can purchase monitors and accessories like gauges, leads, mounting equipment and more via our online store.

IMPORTANT

Please take a moment to carefully read the installation instructions included with your monitors, and ensure you understand and respect local regulations.

ABOVE-GROUND TANKS

**Do not install monitors
under lids.**

UNDERGROUND TANKS

**Plastic lid suggested.
Metal lids will obstruct
signal.**

Reading installation instructions will ensure maximum monitoring performance on all your tanks and installations.