



How to use the Telegesis Zigbee USB Dongle with Field Deployment Manager Tools for 2.4GZ (IPP), 2.4GZ (SEP), and 2.4ZR (SEP) endpoints



Zigbee Dongle Facts:

- 16 channels in the 2,4GHz ISM Band Integrated omnidirectional antenna
- Tested at approximately 150 yards direct line of sight
- USB bus powered COM port interface
- 0dBm typical output power (-16.6dBm +3.6dBm range)
- Low power sleep mode of 1.6mW
- Operating Temperature range -40C to +85C

Helpful Links:

- Knowledge Article: "[OpenWay ZigBee Telegesis Dongle Installation](#)"
- Download the latest version of Telegesis Drivers (v6.6.1) [Here](#)
- FDM Riva Tools Server Client: <https://fdm-ow-riva-tools.itron-hosting.com/Itron>
- FDM ChoiceConnect Server Client: <https://fdm.itron-hosting.com/Itron>
- FDM Mobile Client can be found on the [FDM Tools Itron Access Page](#)

Steps to set up the Telegesis Zigbee USB Dongle with FDM:

1. Insert the Zigbee Dongle into the USB port of the tablet or PC
2. Download and run the [Telegesis Drivers](#)
3. Navigate to the Device Manager, look under Ports, and find the Zigbee Dongle. The Device Manager -> Port menu will show which COM port has been assigned
4. Open and log into the FDM Tools Mobile Client
5. Click Settings in the upper left-hand corner
6. Click on the Radio tab
7. Enter the COM port number assigned to the Zigbee Dongle in the OpenWay Dongle Port line and click OK

The screenshots illustrate the configuration process in the Field Deployment Manager (FDM) application:

- Tools Menu:** Shows a list of tools including 01. 100W, 02. 100G, 03. OW Riva 500W ERT Module, 04. OW Riva 500G ERT Module, 05. OWR-GRD, 06. 40G/40GB (Wake Up), 07. 40GB (Bubble Up), 08. 60W, and 24. 2.4GZ (IPP).
- System Settings:** A dialog box with a 'Settings' menu open, showing options for Statistics, FDM Help, and About.
- Radio Configuration:** A 'Field Deployment...' dialog box with the 'Radio' tab selected. The 'System' section shows settings for 900 BCR/IMR Port (5), OpenWay BCR Port (0), ETX Port (0), Optical Probe Port (0), and OpenWay Dongle Port (0).
- Radio Configuration (2.4GZ IPP):** A 'Field Deployment...' dialog box with the 'Radio' tab selected. The 'Tools' section shows a list of tools including 1. Read Endpoint, 2. Check Endpoint, 3. Program Endpoint, 4. Reset Network Key, 5. Set Mode, and 6. Extract Interval Data.

Server Client Information:

- Once the Mobile Client is synced, the OpenWay Dongle Port will show the COM Port under the specific PC/Tablet selected in the Mobile Devices menu
- Similarly, updating the value of the OpenWay Dongle Port on the Server Client and saving will update the OpenWay Dongle Port on the Mobile Client upon syncing

The screenshots illustrate the server client information and configuration process:

- Mobile Devices Table:** A table showing the following data:

Name	Type	Serial Number	Last FSR	Operating System
SPO-KHELSING	Dell Inc. PC	.5HMV662.CN129635B10008.	kaitlynRIVA	PC
- Field Deployment Manager Interface:** Shows the 'Mobile Devices' menu item in the 'Business Unit Management' section. A configuration dialog box is open, showing the 'OpenWay Dongle Port' set to 8 and the 'Radio Port 900 BCR' set to 5.
- Field Deployment Manager (Radio Tab):** A 'Field Deployment...' dialog box with the 'Radio' tab selected. The 'System' section shows settings for 900 BCR/IMR Port (5), OpenWay BCR Port (0), ETX Port (0), Optical Probe Port (0), and OpenWay Dongle Port (8).

Important Notes:

- A Zigbee Dongle and a Belt Clip Radio cannot have COM Ports assigned in the FDM Tools Mobile Client at the same time
- Using a Zigbee Dongle in a Panasonic FZ-M1 will require a USB extender due to the rugged case around of the tablet blocking the Dongle case