

Transmit Power	Update Time	Battery Life*
Low	2 Mins	2 Years
Low	90 Mins	5+ Years
High	2 Mins	1 Year
High	90 Mins	3 Years

*Actual battery life may vary depending on the connected sensor, signal strength, and environmental conditions.

Step 1: From the SYNC Device Settings tab, click **Additional Settings**.

Interface Settings		
Interface Type	Omega Sub GHz 915 MHz	Additional Settings
User Hours	0	Reset User Hours
Set Password	Factory Reset	Firmware Update

Step 2: Click the High Power checkbox to enable it.

Interface Settings	
Communication	
Radio Type:	Omega Sub GHz
Sub GHz Options:	915 MHz
High Power:	<input type="checkbox"/>

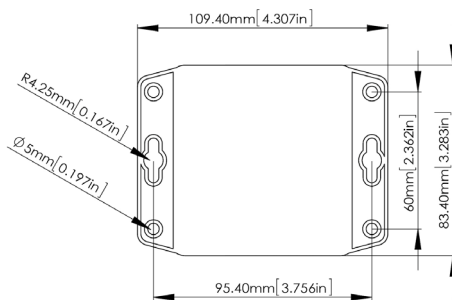
Certifications

Environmental Rating: IP65

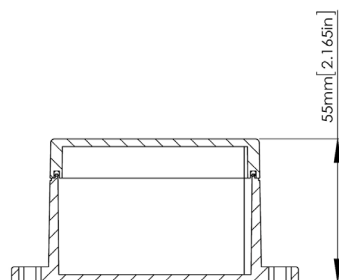
Contains FCC ID: WR3-MOD16370915

Contains IC ID: 8205A-MOD16370915

Dimensions



Bottom View



Side View

WARRANTY/DISCLAIMER

OMEGA ENGINEERING, INC. warrants this unit to be free of defects in materials and workmanship for a period of **13 months** from date of purchase. OMEGA's WARRANTY adds an additional one (1) month grace period to the normal **one (1) year product warranty** to cover handling and shipping time. This ensures that OMEGA's customers receive maximum coverage on each product.

If the unit malfunctions, it must be returned to the factory for evaluation. OMEGA's Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Upon examination by OMEGA, if the unit is found to be defective, it will be repaired or replaced at no charge. OMEGA's WARRANTY does not apply to defects resulting from any action of the purchaser, including but not limited to mishandling, improper interfacing, operation outside of design limits, improper repair, or unauthorized modification. This WARRANTY is VOID if the unit shows evidence of having been tampered with or shows evidence of having been damaged as a result of excessive corrosion; or current, heat, moisture or vibration; improper specification; misapplication; misuse or other operating conditions outside of OMEGA's control. Components in which wear is not warranted, include but are not limited to contact points, fuses, and triacs.

OMEGA is pleased to offer suggestions on the use of its various products. However, OMEGA neither assumes responsibility for any omissions or errors nor assumes liability for any damages that result from the use of its products in accordance with information provided by OMEGA, either verbal or written. OMEGA warrants only that the parts manufactured by the company will be as specified and free of defects. OMEGA MAKES NO OTHER WARRANTIES OR REPRESENTATIONS OF ANY KIND WHATSOEVER, EXPRESSED OR IMPLIED, EXCEPT THAT OF TITLE, AND ALL IMPLIED WARRANTIES INCLUDING ANY WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. LIMITATION OF LIABILITY: The remedies of purchaser set forth herein are exclusive, and the total liability of OMEGA with respect to this order, whether based on contract, warranty, negligence, indemnification, strict liability or otherwise, shall not exceed the purchase price of the component upon which liability is based. In no event shall OMEGA be liable for consequential, incidental or special damages.

CONDITIONS: Equipment sold by OMEGA is not intended to be used, nor shall it be used: (1) as a "Basic Component" under 10 CFR 21 (NRC), used in or with any nuclear installation or activity; or (2) in medical applications or used on humans. Should any Product(s) be used in or with any nuclear installation or activity, medical application, used on humans, or misused in any way, OMEGA assumes no responsibility as set forth in our basic WARRANTY/DISCLAIMER language, and, additionally, purchaser will indemnify OMEGA and hold OMEGA harmless from any liability or damage whatsoever arising out of the use of the Product(s) in such a manner.

RETURN REQUESTS/INQUIRIES

Direct all warranty and repair requests/inquiries to the OMEGA Customer Service Department. **BEFORE RETURNING ANY PRODUCT(S) TO OMEGA, PURCHASER MUST OBTAIN AN AUTHORIZED RETURN (AR) NUMBER FROM OMEGA'S CUSTOMER SERVICE DEPARTMENT (IN ORDER TO AVOID PROCESSING DELAYS).** The assigned AR number should then be marked on the outside of the return package and on any correspondence.

FOR WARRANTY RETURNS, please have the following information available **BEFORE** contacting OMEGA:

1. Purchase Order number under which the product was PURCHASED,
2. Model and serial number of the product under warranty, and
3. Repair instructions and/or specific problems relative to the product.

OMEGA's policy is to make running changes, not model changes, whenever an improvement is possible. This affords our customers the latest in technology and engineering.

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FOR NON-WARRANTY REPAIRS, consult OMEGA for current repair charges. Have the following information available **BEFORE** contacting OMEGA:

1. Purchase Order number to cover the COST of the repair or calibration,
2. Model and serial number of the product, and
3. Repair instructions and/or specific problems relative to the product.



IF-006 (-NA)

Omega Link Wireless Sub GHz Smart Interface



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The information contained in this document is believed to be correct, but OMEGA accepts no liability for any errors it contains, and reserves the right to alter specifications without notice.

Introduction

Use this Quick Start Guide to set up your Omega Link IF-006 Wireless Smart Interface.

Materials

Included with your Omega Link IF-006

- Omega Link IF-006 Unit
- Quick Start Guide
- 2x C-Cell Batteries

Additional Materials Needed

- A registered Omega Link Gateway
- Micro USB 2.0 cable
- PC or laptop with an open USB port running SYNC configuration software
- Omega Link Smart Probe and optional extension cable
- Philips screwdriver

Before you Begin

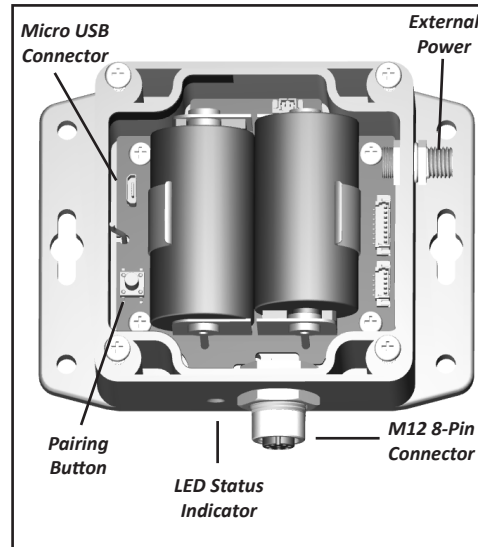
Before you begin setting up your IF-006, ensure you have created an Omega Link Cloud or Omega Enterprise Gateway account and registered the Omega Link Gateway that will be paired with the IF-006 device.

During the gateway setup process, the gateway will automatically download the latest firmware and re-boot. Once the gateway is registered and the pairing button LED is green you may continue with the IF-006 installation.



Important: If you are adding an IF-006 to an existing Omega Link Gateway it is required to update your Gateway to firmware version 1.0.9 or higher to ensure your Gateway and IF-006 communicate and operate correctly.

Omega Link IF-006 Hardware Setup

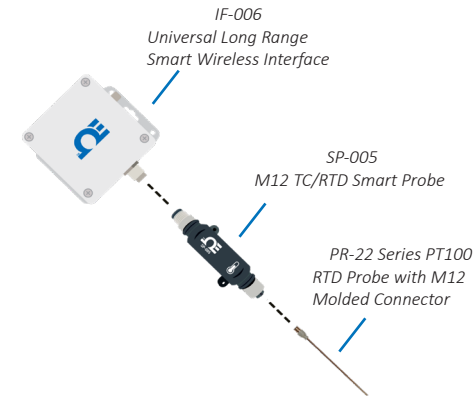


Refer to the following table for a description of the different LED statuses of the IF-006 unit.

LED Color	Status
Amber (Solid)	IF-006 powered on; not connected to Gateway
Green (Blinking)	IF-006 in Pairing Mode
Amber (Blinking)	IF-006 searching for Gateway
Green (Flash)	IF-006 communicating to Gateway
Red and Green (Blinking)	Password Error

The Omega Link IF-006 Interface is designed to be used in conjunction with Omega Link Smart Probes. The two elements snap together with a twist of an M12 connector to create a universal solution for any sensor application.

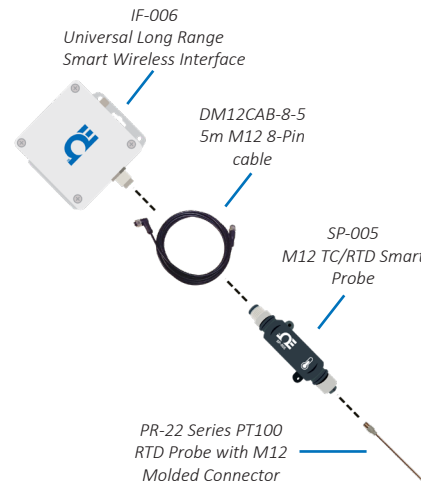
Step 1: Attach your preferred Omega Link Smart Probe to the M12 8-pin female connector of the IF-006. (Some smart probes may require an M12 interconnect cable or additional accessories).



Step 2: If you are attaching an external probe or sensor to your Omega Link Smart Probe, such as a thermocouple or extension cable, attach it now.

Note

Sensor installations can be further customized using M12 modular extension cables to quickly tailor solutions for any application.



Step 3: Use a Philips screwdriver to remove the 4 screws on the top cover of the IF-006 unit.

Step 4: Insert 2x C-Cell batteries into the battery compartment or plug in an external power source.

The **LED Status Indicator** on the IF-006 unit will blink an amber light indicating that the device has been successfully powered on. Follow the directions in the next section to pair the IF-006 to a registered Omega Link Gateway.

Pairing to an Omega Link Gateway

Pairing your IF-006 with an Omega Link Gateway is made easy with a one-button pairing system between the two devices.

Step 1: Push the pairing button once on your IF-006 unit. The LED status indicator will blink green indicating the device is in Pairing Mode.

Step 2: Quickly push the pairing button on the Omega Link Gateway. The LED on the gateway will blink green indicating the gateway is in Pairing Mode.

When the IF-006 and Omega Link Gateway have been successfully paired, the LEDs will stop blinking on both devices.

View Readings on Omega Link Cloud or OEG

After the IF-006 and attached Smart Probe have been paired to the Omega Link Gateway, users will be able to view the readings of the Smart Probe on the Omega Link Cloud or Omega Enterprise Gateway.

Additional Configuration with SYNC

The IF-006 can be configured using Omega's SYNC configuration software. To begin, follow the step below:

Step 1: Launch the free SYNC configuration software on your PC or laptop and connect your IF-006 using a micro USB 2.0 cable.

Step 2: Once your IF-006 is connected to SYNC, click the **Device Settings** tab.

Device Settings

High Power Mode (North American version only)

The default Low Power Mode range of the IF-006 transmits up to 1.2 km with a clear line of sight. -NA variants of the IF-006 offer a High Power Mode features that boosts the wireless transmit signal range of the device to 3.2 km with a clear line of sight. To enable High Power Mode, follow these steps:



Important: Utilizing High Power Mode will lower the battery life of the IF-006. Refer to the following table for battery life estimations based on transmit power and update time.