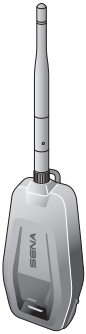
SENA INDUSTRIAL




# MESHPORT RED

## BLUETOOTH TO MESH INTERCOM ADAPTER FOR PHONE OR TABLET PC

QUICK START GUIDE

1.6.0

ENGLISH

# PRODUCT FEATURES

The easy-to-use MeshPort Red will turn any Smartphones or Tablet PCs into a more advanced and flexible communication device with the simple push of a button.

Bluetooth® 4.1

Mesh Intercom™
up to 0.8 km (0.5 mi)*

* in open terrain

# GETTING STARTED

1. Update this product for free with the latest firmware to fully enjoy the new advanced features built into this product. Visit **senaindustrial.com** to see how to update your product.

2. Users can follow Sena on Facebook, YouTube, Twitter and Instagram to receive the most up to date information on products, helpful tips and all other announcements regarding Sena products.

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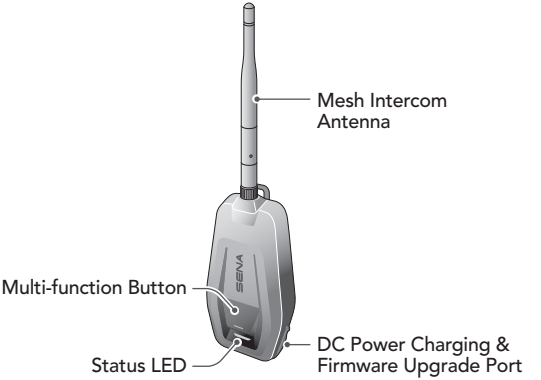
# 1. ABOUT THE MESHPORT RED

## 1.1 Product Details




## 1.2 Package Contents

| | | | |
|---|---|---|---|
| Main Unit | | Mesh Intercom Antenna | |
| Belt Clip Mount | | Rubber Strap Mount | |
| Flat Surface Mount | | USB Power & Data Cable | |

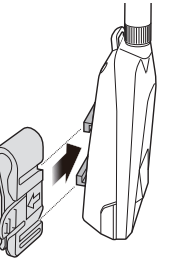
## 1.3 Installing the MeshPort Red

Install the **MeshPort Red** where the antenna is not blocked by the human body as much as possible.

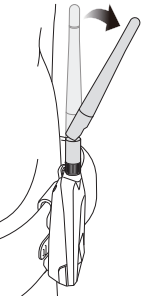
When the human body is blocking the antenna, the **Mesh Intercom** signal strength will be weakened.

### 1.3.1 Using the Belt Clip Mount

1. Attach the belt clip mount to the back of the unit along the guide rail, as shown in the illustration, until you hear a click.



2. Mount the assembled unit in a convenient location, such as on your belt, with the antenna upwards.
3. Angle the antenna away from you to prevent it from interfering with your movement.



### 1.3.2 Using the Rubber Strap Mount

1. Place the rubber strap mount on the object, wind the rubber band around the object, and hang it on the hook.
2. Attach the rubber strap mount on the back of the main unit along the guide rail until you hear a click.

### 1.3.3 Attaching the Flat Surface Mount

1. Locate an appropriate surface for attaching the flat surface mount, clean the mounting surface with a moistened towel, and allow it to dry thoroughly.
2. Peel off the cover of the adhesive tape of the flat surface mount and attach it to the surface.
3. Attach the flat surface mount on the back of the main unit along the guide rail until you hear a click.

**Note:** Make sure that the main unit sticks on the surface firmly. Maximum adhesion occurs after 24 hours.

# 2. GETTING STARTED

## 2.1 Downloadable Sena Software

### 2.1.1 Sena MeshPort App

You can use the **Sena MeshPort App** without pairing your **Smartphone** to the **MeshPort Red**.

- Download
  - Android: Google Play Store > **Sena MeshPort**
  - iOS: App Store > **Sena MeshPort**

### 2.1.2 Running the Sena MeshPort App

1. Turn on the product.
2. Press and hold the **Multi-function Button** for **5 seconds**.
3. Launch the **Sena MeshPort App** on your **Smartphone**.
4. Scan the product in the app.
   - When you launch the app, the product is automatically scanned.
   - Tap the Scan icon (Q) to manually scan the product.
5. After scanning is complete, select the scanned product in the app.

**Note:** If the product has not been scanned in the app, please update the product to the latest firmware.

### 2.1.3 Sena Device Manager

The **Sena Device Manager** allows you to upgrade the firmware from your PC or Apple computer. Download the **Sena Device Manager** from **senaindustrial.com**.

## 2.2 Powering On and Off

To power on the **MeshPort Red**, press and hold the **Multi-function Button** for **1 second**. The LED flashes blue.

To power off the **MeshPort Red**, press and hold the **Multi-function Button** for **1 second**. The LED flashes red once.

## 2.3 Charging

The **MeshPort Red** can be charged using many common methods via the supplied USB power & data cable. The LED turns red while the **MeshPort Red** is charging and turns blue when it is fully charged. Depending upon the charging method, the **MeshPort Red** will be fully charged in about 2 hours.

**Note:** Any 3rd party USB charger can be used with Sena products if the charger is approved by either the FCC, CE, IC or other locally approved agencies that Sena accepts.

## 2.4 Checking the Battery Level

When the **MeshPort Red** is powering on, the red LED flashes rapidly indicating the battery level.

4 flashes = High, 70~100%

3 flashes = Medium, 30~70%

2 flashes = Low, 0~30%

**Note:**

- The battery performance may be reduced over time with usage.
- Battery life may vary depending on conditions, environmental factors, functions of the product in use, and devices used with it.

# 3. MESH INTERCOM

## 3.1 What is Mesh Intercom

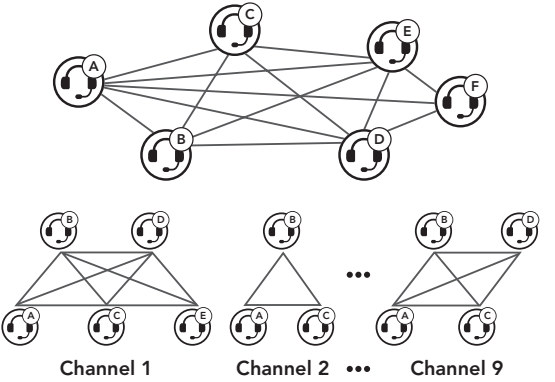
Sena proposes using **Mesh Intercom™**, which provides instant and effortless communication without a pre-grouping process.

**Mesh Intercom** allows users to connect and communicate with nearby users without the need to pair each **Mesh Product** together.

The **MeshPort Red** working distance can be up to 0.8 km (0.5 mi) in open terrain.

**Open Mesh** is an open group intercom function. Users can freely communicate with each other in the same Open Mesh channel.

It can connect with a virtually unlimited number of users in each channel.



# 4. USING THE MESHPORT RED

## 4.1 About the MeshPort Red

The **MeshPort Red** is a repeater that allows the party calling your **Smartphone** or in the conversation using a **Tablet PC** to join the **Mesh Intercom** conversation while your device is paired to the **MeshPort Red**.

**Note:**

- Since the **MeshPort Red** performs the repeater function only, you need a Sena **MeshPort Blue** or **Tufftalk M** to join a **Mesh Intercom** conversation. Please contact Sena or a distributor for purchase information.
- **MeshPort Red** users cannot have **Mesh Intercom** conversations with each other.

## 4.2 Bluetooth Pairing

Any **Smartphones or Tablet PC** can be connected to the **MeshPort Red** if they support the Bluetooth Hands-Free Profile (HFP). Before using **Mesh Intercom**, you will need to pair a compatible **Smartphone or Tablet PC** for the first time. The Bluetooth pairing operation is only required once for each **Smartphone or Tablet PC**. The **MeshPort Red** remains paired with the **Smartphone or Tablet PC** and automatically connects to the paired **Smartphone (Tablet PC)** again when they are within range of each other.

**Note:**

- The **MeshPort Red** supports pairing with only one **Smartphone or Tablet PC**.
- The **Mesh Intercom** audio quality depends on the connected **Smartphone or Tablet PC**.
- Some **Smartphones or Tablet PCs** may not work properly when connected to **MeshPort Red**.

There are three ways to pair the **Smartphone or Tablet PC**.

### 4.2.1 Initially Bluetooth Pairing the MeshPort Red

The **MeshPort Red** will automatically enter the **Bluetooth Pairing mode** when you **initially turn on** the **MeshPort Red** or in the following situations:

- Rebooting after executing **Factory Reset**

1. Press and hold the **Multi-function Button** for **1 second** (Power On). The LED will flash red and blue alternately.
2. Search for a Bluetooth device on your **Smartphone or Tablet PC**. Select the **MeshPort Red** in the list of devices detected on the **Smartphone or Tablet PC**. They will automatically connect to each other.
3. When the LED flashes green of the **MeshPort Red**, the pairing is completed. When the pairing is completed, **Mesh Intercom** will turn on automatically.

### 4.2.2 Bluetooth Pairing When the MeshPort Red is Turned Off

1. To enter **Bluetooth Pairing**, press and hold the **Multi-function Button** for **5 seconds** until the LED flashes red and blue alternately when the **MeshPort Red** is turned off.
2. Search for Bluetooth devices on your **Smartphone or Tablet PC** and select the **MeshPort Red** from the list of devices detected on the **Smartphone or Tablet PC**. They will automatically connect to each other.
3. When the LED flashes green of the **MeshPort Red**, the pairing is completed. When the pairing is completed, **Mesh Intercom** will turn on automatically.

#### 4.2.3 Bluetooth Pairing When the MeshPort Red is Turned On

1. To enter Bluetooth Pairing, press and hold the **Multi-function Button** for **5 seconds** until the LED flashes red and blue alternately when the **MeshPort Red** is turned on.
2. Search for Bluetooth devices on your **Smartphone or Tablet PC** and select the **MeshPort Red** from the list of devices detected on the **Smartphone or Tablet PC**. They will automatically connect to each other.
3. When the LED flashes green of the **MeshPort Red**, the pairing is completed. When the pairing is completed, **Mesh Intercom** will turn on automatically.

## 4.3 Starting Mesh Intercom

#### 4.3.1 Mesh Intercom On and Off

1. To start **Mesh Intercom**, tap the **Multi-function Button**. The LED flashes green.
2. To terminate **Mesh Intercom**, tap the **Multi-function Button**.

**Note:**

- When you turn on **Mesh Intercom**, the party calling your **Smartphone or Tablet PC** paired with the **MeshPort Red** is ready to join the **Mesh Intercom** conversation.
- Turning on **Mesh Intercom** disables the speaker and microphone of the paired **Smartphone or Tablet PC**.

### 4.3.2 Phone Call and Answering

When you answer a phone call from a calling party while **Mesh Intercom** is on, you can engage the calling party in the **Mesh Intercom** conversation.

- To answer an incoming call, tap the **Multi-function Button**.
- To end a call, press and hold the **Multi-function Button** for **1 second**.
- To reject an incoming call, press and hold the **Multi-function Button** for **1 second**.

**Note:**

- To end the **Mesh Intercom** conversation, press and hold the **Multi-function Button** for **1 second** to hang up.
- If you call the other party's **Smartphone or Tablet PC** while **Mesh Intercom** is on, the called party will automatically join the **Mesh Intercom** conversation.

### 4.3.3 Mesh Intercom Reconnection

If Bluetooth connection between the **MeshPort Red** and a **Smartphone or Tablet PC** is disconnected, tap the **Multi-function Button** to reconnect the two devices.

## 4.4 Using the Mesh in Open Mesh

When **Mesh Intercom** is enabled, the **MeshPort Red** will be in **Open Mesh** (default: channel 1) initially.

### 4.4.1 Channel Setting (Default: channel 1)

If the **Open Mesh** communication experiences interference because other groups are also using **channel 1 (default)**, change the channel. You can select from channels 1 to 9.

- You can only change the channel through the **Sena MeshPort App**.

## 4.5 Muting the Microphone (Default: Unmute)

1. To **mute** the microphone, double tap the **Multi-function Button**. The purple LED will flash.
2. To **unmute** the microphone, double tap the **Multi-function Button**. The purple LED will flash twice.

**Note:**

1. The mute and unmute function only works if **Mesh Intercom** is on.
2. After turning off your **MeshPort Red** or turning off the **Mesh Intercom**, the **Mute** setting will return to default (**Unmute**).
3. The mute and unmute function does not work in **Mesh Intercom Repeater Mode**.

## 4.6 Mesh Intercom Repeater Mode

The **MeshPort Red** can be used as a **Mesh Intercom Repeater** without **Bluetooth pairing** with a **Smartphone or Tablet PC**.

1. Triple tap the **Multi-function Button** during the **Bluetooth pairing**. (Bluetooth pairing, referring to section 4.2 on page 14.)
2. The green LED will flash 3 times and the **MeshPort Red** will operate in **Mesh Intercom Repeater Mode**.
   - In **Mesh Intercom Repeater Mode**, **Mesh Intercom** will start automatically when the power is on.

**Note:**

- In **Mesh Intercom Repeater Mode**, only the following features can be executed:
  - **Power on/off**
  - **Factory Reset**
  - Change the channel through the **Sena MeshPort App**.
- If you want to pair with the **Smartphone or Tablet PC**, execute **Factory Reset** and proceed with **Bluetooth pairing**.

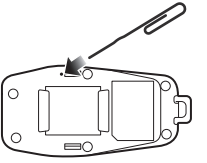
# 5. TROUBLESHOOTING

## 5.1 Firmware Upgrade

The **MeshPort Red** supports firmware upgrades. You can update the firmware using the **Sena Device Manager**.

## 5.2 Fault Reset

When the **MeshPort Red** is not working properly or is in faulty status for any reason, you may reset by pushing the **Pin-hole Reset Button** at the back of the main unit.



## 5.3 Factory Reset

If you want to restore the **MeshPort Red** to factory default settings, execute **Factory Reset**. Press and hold the **Multi-function Button** for **11 seconds** until the LED flashes white, the **MeshPort Red** automatically restores the default settings and turns off.

# QUICK REFERENCE

| Type | Operation | Button Command |
|---|---|---|
| Basic Function | Power on/off | Press and hold the Multi-function Button for 1 second |
| Bluetooth Pairing | | • Press and hold the Multi-function Button for 5 seconds when the MeshPort Red is turned off<br>• Press and hold the Multi-function Button for 5 seconds when the MeshPort Red is turned on |
| Mesh Intercom™ | Mesh Intercom on/off | Tap the Multi-function Button |
| | Mute/ Unmute Mic | Double tap the Multi-function Button |
| | Repeater Mode | Triple tap the Multi-function Button during the Bluetooth pairing |
| Mobile Phone | Answer a Phone Call | Tap the Multi-function Button |
| | End a Phone Call | Press and hold the Multi-function Button for 1 second |
| | Reject a call | Press and hold the Multi-function Button for 1 second |
| Factory Reset | | Press and hold the Multi-function Button for 11 seconds |

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