

# Bluetooth® Helmet Headset

## #HS-BLU277 Series



## Owner's Manual

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## 1. Product Description

The HS-BLU277 is a high audio output, true stereo Bluetooth wireless helmet headset that will link to most Bluetooth enabled audio devices available today. This lightweight unit also features a plug for connecting to passenger's standard J&M dual mode helmet headset for seamless and simultaneous driver/passenger communications. The HS-BLU277 is powered by a rechargeable lithium ion/polymer power cell.

## 2. Safety and General Information

### IMPORTANT INFORMATION OF SAFE AND EFFICIENT OPERATION. READ THIS INFORMATION BEFORE USING YOUR DEVICE.

Users are not permitted to make changes or modify the device in any way. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. See 47 CFR Sec. 15.21.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. See 47 CFR Sec. 15.19 (3).

### ELECTROMAGNETIC INTERFERENCE/COMPATIBILITY

Note: Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed or otherwise configured for electromagnetic compatibility.

### FACILITIES

To avoid electromagnetic interference and/or compatibility conflicts, turn off your device in any facility where posted notices instruct you to do so. Hospitals or health care facilities may be using equipment that is sensitive to external RF energy.

### AIRCRAFT

When instructed to do so, turn off your device when on board an aircraft. Any use of a device must be in accordance with applicable regulations per airline crew instructions.

### MEDICAL DEVICES

#### HEARING AIDS

Some devices may interfere with some hearing aids. In the event of such interference, you may want to consult with your hearing aid manufacturer to discuss alternatives.

#### OTHER MEDICAL DEVICES

If you use any other personal medical device, consult the manufacturer of the device to determine if it is adequately shielded from RF energy. Your physician may be able to assist you in obtaining this information.

### Industry Canada Notice to Users

Operation is subject to the following two conditions: (1) This device may not cause interference and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

### FCC Notice to Users

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

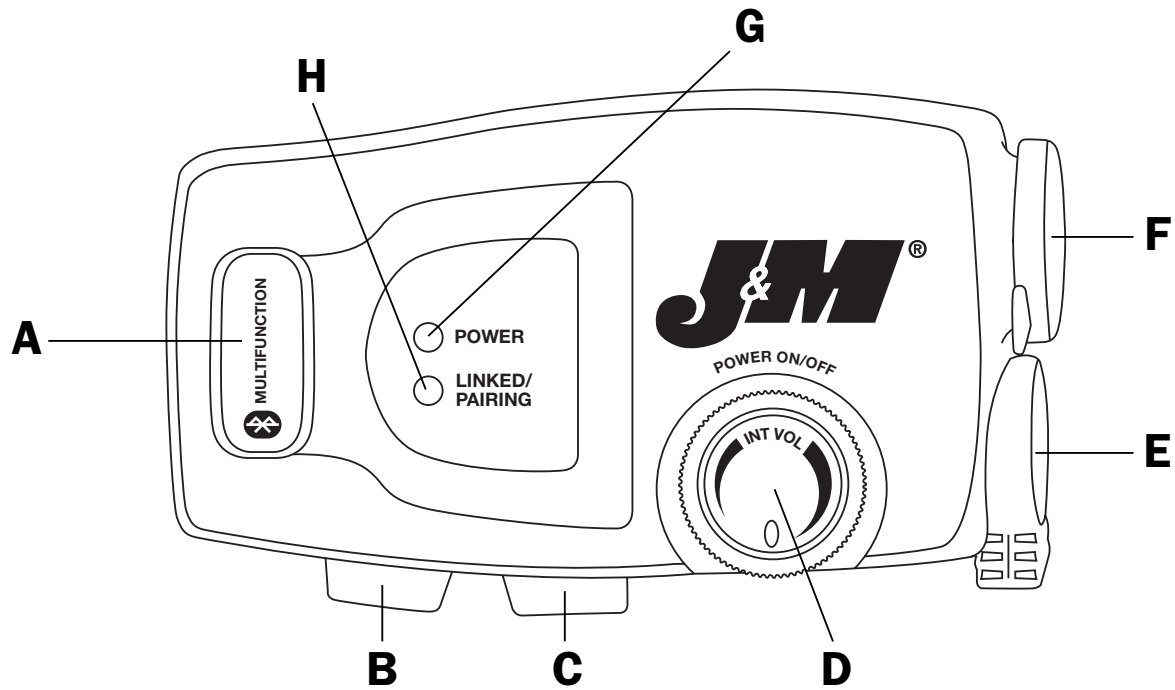
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## 3. Performance Features

- High Audio Output
- True Two Channel Stereo
- Integrated Rider-Passenger Intercom
- Separate Bluetooth and Intercom Volume Controls
- HSP (Headset Profile)
- HFP (Handsfree Profile)
- A2DP (Advanced Audio Distribution Profile ((Streaming Stereo))
- AVRCP (Audio Video Remote Control Profile)

## 4. Package Contents

- HS-BLU277 Head Unit
- Lithium Ion/Polymer Power Cell
- AC Battery Charger
- Two Speakers
- Microphone
- Clamp Assembly
- Velcro
- Owner's Manual



## 5. Controls and Functions

**A. Multifunction Button** – Used for turning on/off Bluetooth, pairing mode for Bluetooth, answering cell phone, and other multifunction features.

**B. Bluetooth Volume Up** – Allows Bluetooth volume up adjustment.

**C. Bluetooth Volume Down** – Allows Bluetooth volume down adjustment.

**D. Power On/Off Intercom Volume** – Turns the entire unit on and off and allows control of the intercom volume.

**E. Driver Helmet Headset Speakers and Microphone** – The connectors that are on this cord connect to the drivers helmet headset speakers and mike.

**F. Passenger Headset Jack** – A passenger can plug into this plug using a standard J&M dual mode helmet headset, with the correct lower section cord. This plug is also used to charge the lithium ion/polymer power cell with charger adapter.

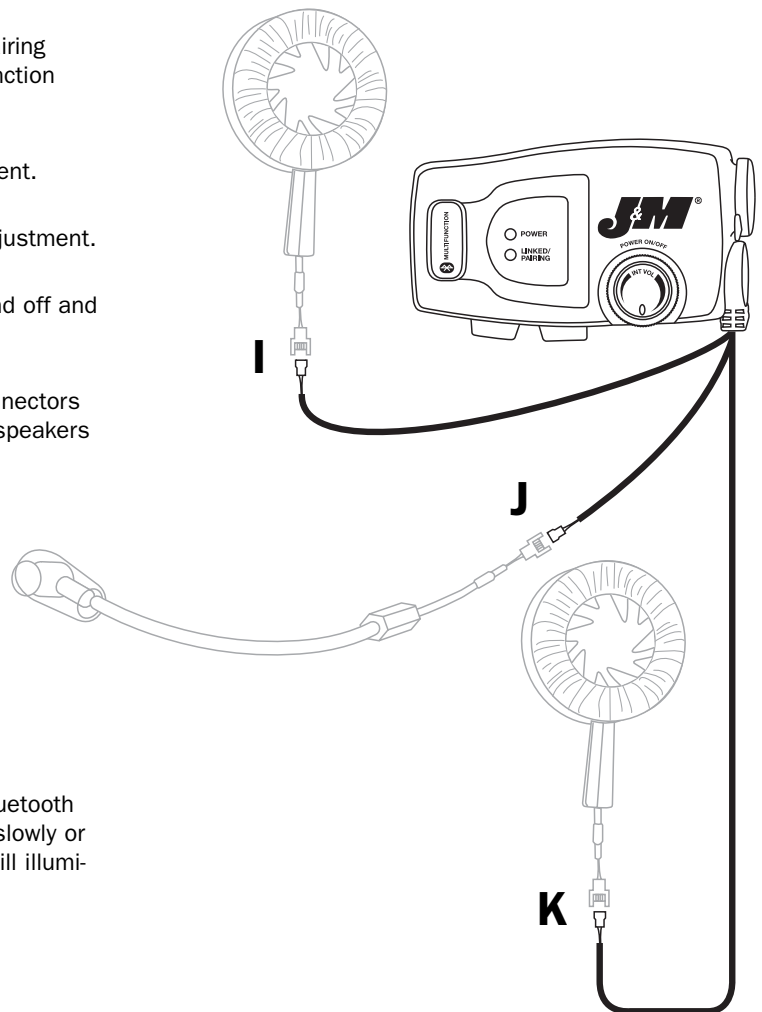
**G. Power LED** – This LED illuminates red when the power on/off switch is in the on position.

**H. Linked/Pairing LED** – This LED illuminates blue when the Bluetooth part of the headset has been turned on. This LED will flash slowly or rapidly depending on the function that is chosen. This LED will illuminate red when connected to the battery charger.

**I. Left Speaker Connector** – Connects to left speaker.

**J. Microphone Connector** – Connects to boom or chin bar style microphone.

**K. Right Speaker Connector** – Connects to right speaker.

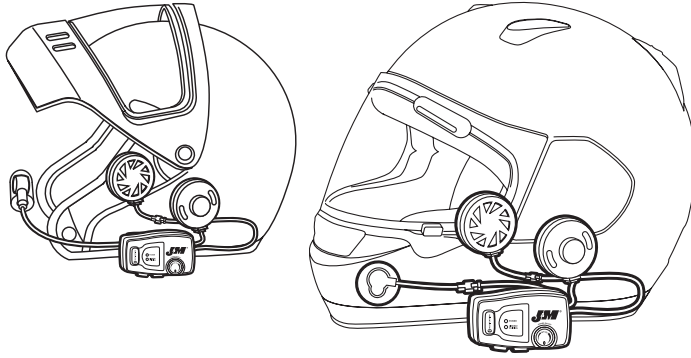


## 6A. Installation Instructions For Full Coverage & Flip Front Style Helmets



### J&M Bluetooth Helmet Headset Installation Instructions

**WARNING!** Helmet speakers may not be legal in all jurisdictions. Check your local laws BEFORE using this product. J & M Corporation cannot control the circumstances surrounding the sale of this equipment, the quality of installation, or the specific helmet into which this equipment is installed. Accordingly, J & M Corporation makes no warranties, expressed or implied, related thereto. A helmet with this equipment installed may not protect the user from injury. The user assumes all liability in conjunction with accidents, injuries or losses of any kind arising out of the use of this product. Additionally, this product should not be used in any way that would impair the user's ability to hear traffic or other noises. Accordingly, the volume should be kept low or off, depending upon the circumstances.



#### Installation into Full-Coverage & Flip-front Style Helmets

The full-coverage type of helmet presents special challenges for headset installation. If you do not feel you are up to the task, you may send your "un-modified" helmet to our factory in Tucson and we will perform the installation for a nominal fee. (Please call first to insure that J&M is able to install a headset into your particular brand/model of helmet.)

1. Most full coverage-style helmets have cheek pads or a complete nose section that can be removed. Carefully do so at this time, paying special attention so as not to break or damage any of the polystyrene parts.

2. Using a headset speaker as a guide, mark the circular pieces of styrene to be removed from the back of the ear area of the nose section or the cheek pad. **See Figure 7.** With an Exacto® knife, cut a hole slightly smaller than the speaker so that the speaker will "press fit" into the hole without damaging the styrene. An airtight seal is necessary to preserve bass response as the sound pressure from the back of the speaker housing should not be allowed to mix with the sound pressure from the front. Also, be careful not to cut or damage the fabric lining.

3. Locate an area in the nose section just to the left of center to mount the microphone. **See Figure 8.** Make sure that this placement will not interfere with any venting mechanisms or other parts of the helmet upon re-installation of the nose section.

Using an Exacto® knife, cut a hole of sufficient size to allow the microphone to be mounted through the nose section and be pressed against the inside shell. **See Figure 9.** Insert the microphone cartridge through the hole from the back side, install the rubber boot and push the mike back into the hole from the front side. **See Figure 10.**

**If the helmet is the flip-front style:** Position the boom microphone clamp on the left side of the helmet so that the microphone lines up with the wearer's mouth. Tighten the clamp with the rubber spacer in place. **See Figure 13 — Flip-Front.**

4. Place the speakers into the cheekpads. **See Figure 11.**

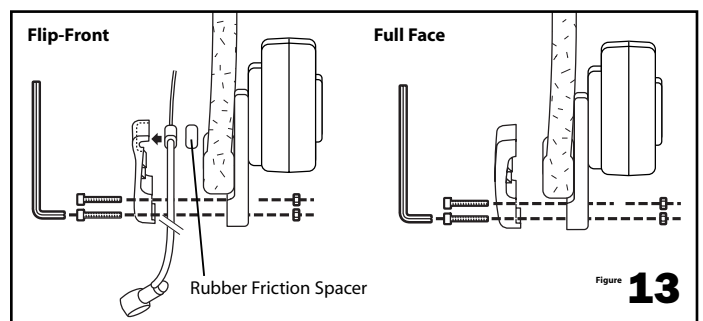
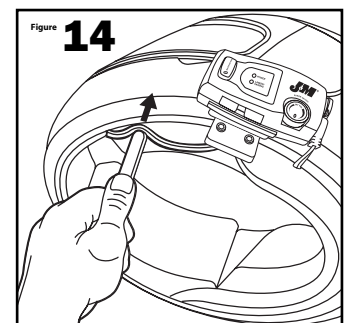
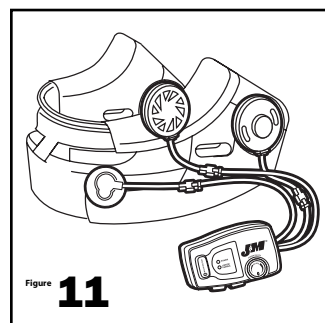
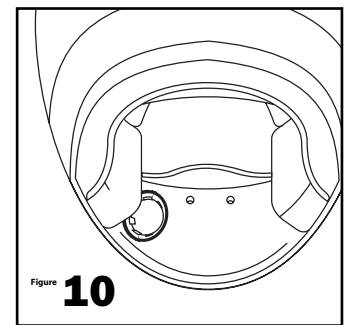
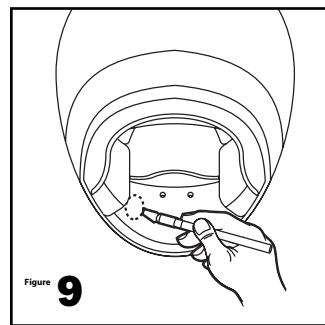
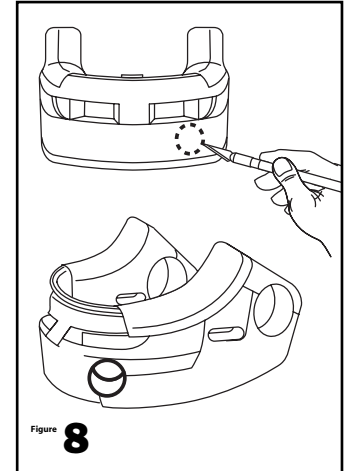
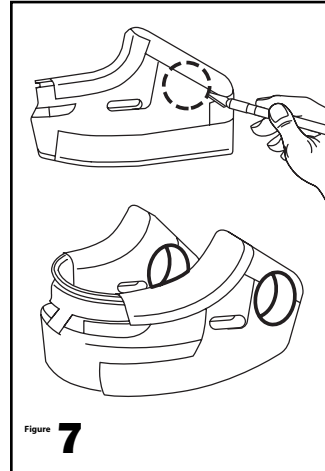
5. Clean the inside of the helmet shell where the speakers and microphone will be positioned with a cloth dampened with alcohol. Peel the backing from each supplied Velcro pad and press it into the proper position for the speakers and microphone to contact when the helmet is re-assembled.

6. Reinstall the nose section and/or cheek pads. Push the speakers and microphone firmly against the Velcro® pads.

7. Mount the clamp in the proper position on the left bottom edge of the helmet and tighten the clamp with the rubber friction spacer in place. **See Figure 13.**

8. Using the included wooden tool, be careful to push the wires into the gap between the helmet liner and shell. **See Figure 14.**

**Notes:** When using your intercom system, regardless of headset brand or type, it is important to turn the intercom volume level high enough for comfortable conversation, but not any higher. Unnecessarily high intercom volume levels will only increase the unwanted wind and background noise you may experience.

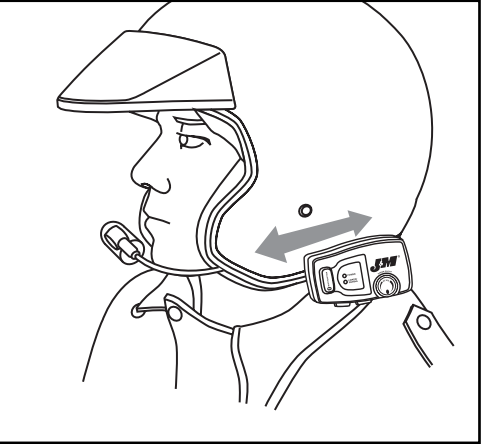
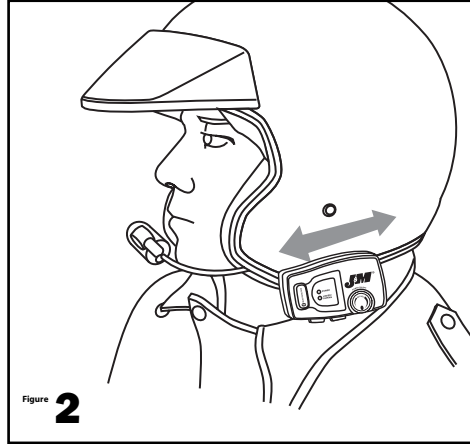
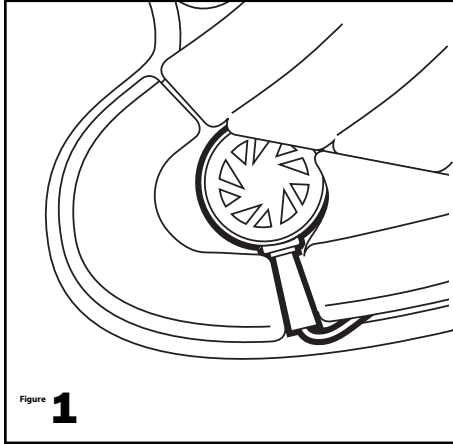


## 6B. Installation Instructions For 3/4 Style Helmets



# J&M Bluetooth Helmet Headset Installation Instructions

**WARNING!** Helmet speakers may not be legal in all jurisdictions. Check your local laws BEFORE using this product. J & M Corporation cannot control the circumstances surrounding the sale of this equipment, the quality of installation, or the specific helmet into which this equipment is installed. Accordingly, J & M Corporation makes no warranties, expressed or implied, related thereto. A helmet with this equipment installed may not protect the user from injury. The user assumes all liability in conjunction with accidents, injuries or losses of any kind arising out of the use of this product. Additionally, this product should not be used in any way that would impair the user's ability to hear traffic or other noises. Accordingly, the volume should be kept low or off, depending upon the circumstances.



### Installation into a 3/4-style Helmet

1. Begin by examining the ear pocket area in your helmet. Make sure that there is sufficient room to mount the speaker in the ear pocket. If you will be mounting the J&M DynaPort® speakers also make sure that you can position the porting tube down along the seam in the cheek pad. **See Figure 1.** (It is important to have the helmet fit and feel the same after the speakers are mounted as it did before the headset was installed.) The porting tube should be positioned to allow the sound pressure from this tube to be directed out of the ear pocket. This will help enhance bass response.

Some three-quarter style helmets, Shoei and HJC, for example, have ear pockets that are a bit too small for the speaker to be properly placed. In this case fold out the interior lining and with an Exacto® knife carefully remove a very thin "half moon" of polystyrene to allow the speaker to be positioned slightly higher and deeper into the ear pocket. **See Figures 3 and 4.** This should keep the speaker from contacting your ears. Be careful to remove only the minimum amount necessary, no more than 1/4 of an inch.

Once you have made room for and/or positioned the speakers, remove them.

2. Clean the bottom of each ear pocket with a cloth dampened with alcohol. Peel the backing from the supplied Velcro® pads and press them into the bottom of each ear pocket.

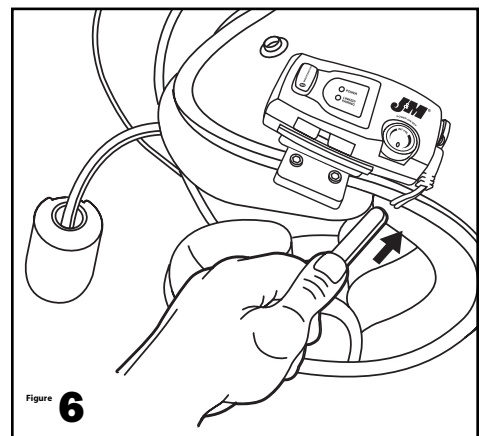
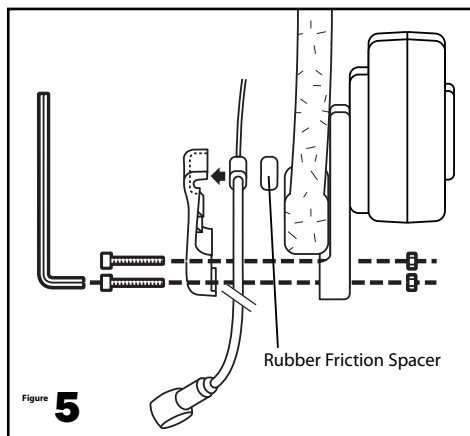
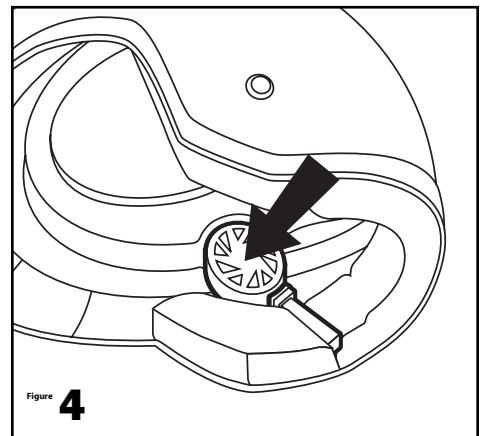
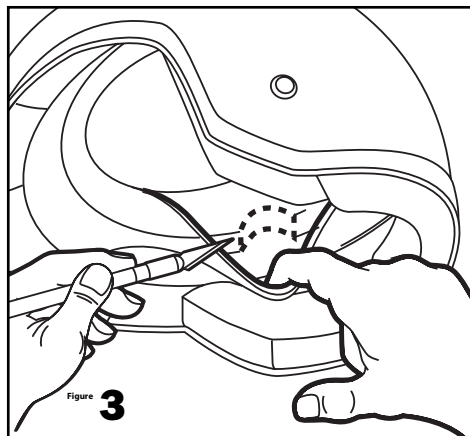
3. Position the boom microphone/amplifier clamp assembly on the left side of the helmet so that the microphone lines up with the wearer's mouth. Mark this position. **See Figure 2.**

Tighten the clamp to the helmet with the rubber friction spacer in place.

4. Position the speakers in their proper place in the ear pockets and press them firmly onto the Velcro® pads.

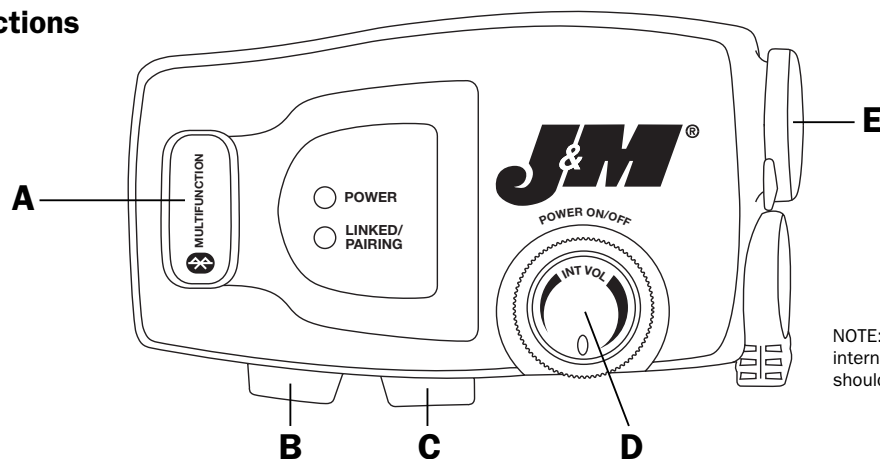
5. Pull the large or small wind sock (which-ever you prefer) over the microphone.

6. Using the enclosed wooden tool, carefully push the speaker wires into the gap between the helmet liner and shell. **See Figure 6.**



**Notes:** When using your intercom system, regardless of headset brand or type, it is important to turn the intercom volume level high enough for comfortable conversation, but not any higher. Unnecessarily high intercom volume levels will only increase the unwanted wind and background noise you may experience.

## 7. Operation Instructions



NOTE: Before using the HS-BLU277, its internal lithium/polymer power cell should be charged for at least 6 hours.

### Pairing the HS-BLU277 to Bluetooth Enabled Devices

(Cell Phone, Bluetooth Enabled MP3 Players, GPS Audio Command Centers, or other Bluetooth Enabled Devices.

1. Turn on the HS-BLU277 with the on/off Intercom Volume Control (D). NOTE: If you wish to use your HS-BLU277 unit as a driver/passenger intercom amplifier only, it is not necessary to also turn on the Bluetooth Linking portion of this unit.
2. To activate Bluetooth Linking Features **Press and Hold** the Multifunction Button (A) for about 13 seconds, then release the Multifunction Button. The Blue Linked /Pairing LED should now be flashing rapidly. The HS-BLU277 is now in Pairing Mode.
3. A. If using a Bluetooth enabled cell phone, select the Hands Free menu on the cell phone and have it search for Devices. When JM\_CORP\_HHS\_01 is displayed on your phone and you are asked for a passkey, Please enter: 0000. Your cell phone is now paired with the HS-BLU277.

**NOTE: If the Bluetooth portion of the headset is already on. It is necessary to turn the Bluetooth function off by pressing and holding the multifunction switch until the blue LED turns off and then pressing and holding the multifunction for about 13 seconds to put it into pairing mode.**

- B. If using a Bluetooth Dongle. Power on the Dongle and put the Dongle in a pairing mode. Turn on the HS-BLU277 and **Press and Hold** the Multifunction Button (A) for about 13 seconds to put the HS-BLU277 in a pairing mode. Both the Dongle and the HS-BLU277 LED's will be flashing rapidly until the two unit's pair and the LED's flash at a slower rate.
- C. If using a Bluetooth enabled GPS, select the tools menu and then select Bluetooth, Turn on the HS-BLU277 and **Press and Hold** the Multifunction Button (A) for about 13 seconds to put the HS-BLU277 in pairing mode, then select connect Headset on the GPS unit. Once the HS-BLU277 is paired the display will show JM\_CORP\_HHS\_01.

### Supported Bluetooth Profiles:

A2DP - Advanced Audio Distribution Profile.  
HFP - Hands-Free Profile.  
HSP - Headset Profile.  
AVRCP - Audio Video Remote Control Profile.

**NOTE: For Bluetooth Devices to work together with the HS-BLU277 it is important that each device shares the same Bluetooth software profiles as the J&M HS-BLU277.**

### Operation of the HS-BLU277 with a Cell Phone.

In order for the operations listed to be accomplished the HS-BLU277 must be paired to the cell phone.

1. When receiving an incoming call the "incoming call indicator sound" will be heard in the speakers. If the phone is set to Auto Answer the call will automatically be connected to the HS-BLU277, if the phone is not set to Auto Answer the multifunction button (A) can be depressed briefly to connect the call.

2. Use the volume Up (B) or Down (C) buttons to adjust the phone volume during the cell phone conversation. Additional cell volume adjustments can also be made on the cell phone itself during conversation.
3. To hang up the phone call from the HS-BLU277, depress the multifunction button (A) briefly or wait until the party that you were speaking with to hang up.

### Operation of the HS-BLU277 with a Bluetooth Enabled MP3 or Dongle.

In order for the operation listed to be accomplished the HS-BLU277 must be paired to the MP3 player or Dongle.

1. To set the music volume, adjust the volume of the HS-BLU277 to max volume using the volume up (B) button. Now adjust the MP3 or music source volume that is feeding the Dongle to a volume level in the Headset that is just before distortion. Now adjust the volume of the HS-BLU277 to a comfortable listening level.

### Operation of the HS-BLU277 with a Bluetooth Enabled MP3 and cell phone.

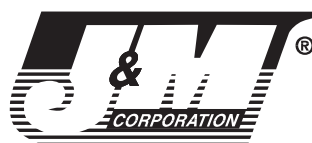
1. While listening to music through the MP3 player or Dongle and the cell phone receives an incoming call, the music will be interrupted and the "incoming call indicator sound" will be heard in the speakers. If the phone is set to Auto Answer the call will automatically be connected to the HS-BLU277, if the phone is not set to Auto Answer the multifunction (A) button can be depressed briefly to answer the call.
  2. Use the volume Up or Down buttons on the cell phone itself to adjust the phone volume during cell phone conversation.
- NOTE: If the HS-BLU277 volume is adjusted during cell phone conversation. The volume adjustments will have an effect on the music volume when the call ends and the music resumes.**
3. To hang up the phone call from the HS-BLU277, depress the multifunction (A) button briefly or wait until the party that you were talking with to hang up.
  4. The music will resume when the call has ended.

### Operation of the Intercom

1. Using the appropriate lower section hookup cord HC-ZBT or PBT connect a standard J&M Dualmode Headset to jack (E) on the HS-BLU277.
2. Rotate the intercom volume control knob (D) to a volume level position for comfortable conversation, but not any higher. Unnecessarily high intercom volume levels will only increase the unwanted wind and back ground noise you may experience.

**NOTE: It is not necessary for the Bluetooth part of the HS-BLU277 to be turned on for the intercom portion of this system to function.**

Thank you for the confidence you have shown by purchasing one of J&M's innovative products. If you have any questions during the installation, or require further assistance, you may call us at 1-800-358-0881 from 8:00 a.m. to 5:00 p.m. Mountain Standard Time, Monday through Friday.



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