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BLUETOOTH SOLUTIONS

Established in 1998, Sena Technologies, Inc. is the leading innovator in the motorcycle and outdoor sports communication market. After long-standing success producing enterprise-level Bluetooth® networking products over the last decade, Sena has expanded its offerings into the motorcycle, outdoor sports, and most recently industrial communications segments.

Sena has been able to bridge its strength in outdoor sports communications to industrial settings where the need for highly reliable, efficient and safe communications is required. Sena is working with some of the world's leading brands in the food processing, manufacturing, construction, warehousing and supply chain, and arbor and landscaping industries. Sena is headquartered in Irvine, CA with offices in EMEA, APAC and North America.

With 20 years of technical development experience behind us, Sena continues to produce innovative communication solutions for two-wheel and outdoor enthusiasts worldwide. The company now looks forward to satisfying the needs of customers and partners through the next 20 years and beyond

#RideConnected

COMPARE PRODUCTS



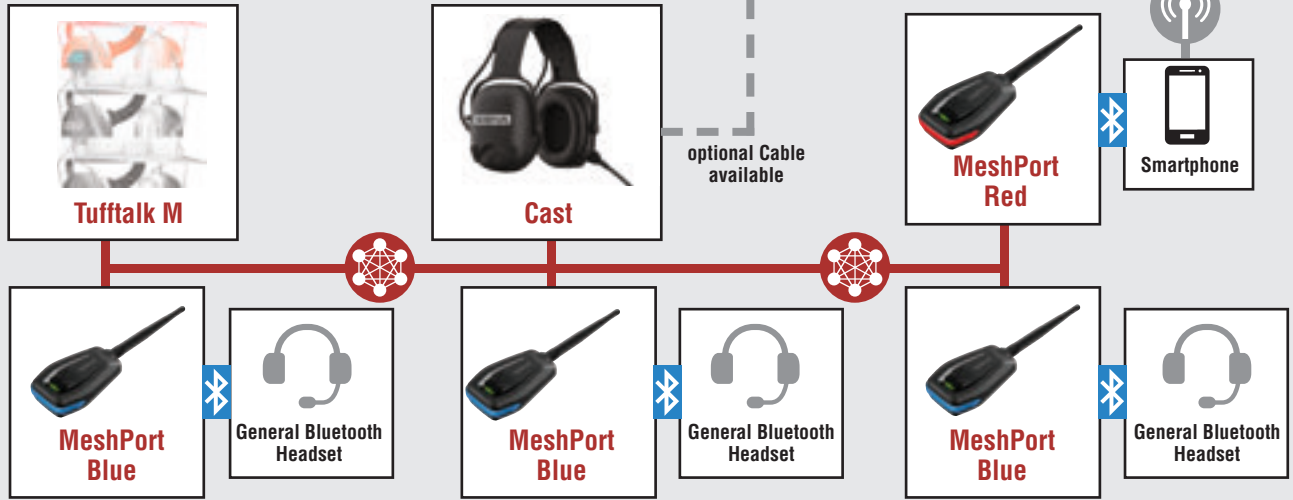
INDUSTRIAL COMMUNICATION		CAST	Tufftalk Lite	Tufftalk M	SPH10	EXPAND Mesh
Communication Method		Mesh	Bluetooth	Mesh Bluetooth	Bluetooth	Mesh
Max. Number of Intercom Users	Bluetooth	-	4	4	4	-
	Mesh	Virtually limitless	N/A	Virtually limitless	N/A	Virtually limitless
Noise Reduction Rate	Over-the-Head	28 dB	21 dB	26 dB	N/A	N/A
	Hard Hat	23 dB	20 dB	24 dB	N/A	N/A
Talk Time (Hour)	Bluetooth	-	13	13	10	-
	Mesh	9	N/A	8	N/A	8
Intercom Distance (max)	Bluetooth	-	0.5 mi (800m)	440 yds (400m)	0.6 mi (900m)	-
	Mesh	0.7 mi (1.100m)	N/A	0.7 mi (1.100m)	N/A	1 mi (1.600m)
Full Duplex		○	○	○	○	○
Mesh Networking		○	-	○	-	○
Multi Team Communication		○	-	○	-	○
Advanced Noise Control		-	○	○	○	-

ADAPTERS	MeshPort Blue	MeshPort Red
Communication Method	Mesh Intercom Bluetooth (HFP)	Mesh Intercom Bluetooth (HFP Gateway)
Connecting Device	General Bluetooth headset	Mobile phone, Tablet, PC
Talk Time (hour)	13	13
Bluetooth Distance	11 yds (10m)	11 yds (10m)
Mesh Intercom Distance (max)	0.5 mi (800m)	0.5 mi (800m)

SENA PRODUCT CONNECTION GUIDE

Group Size: **LARGE**

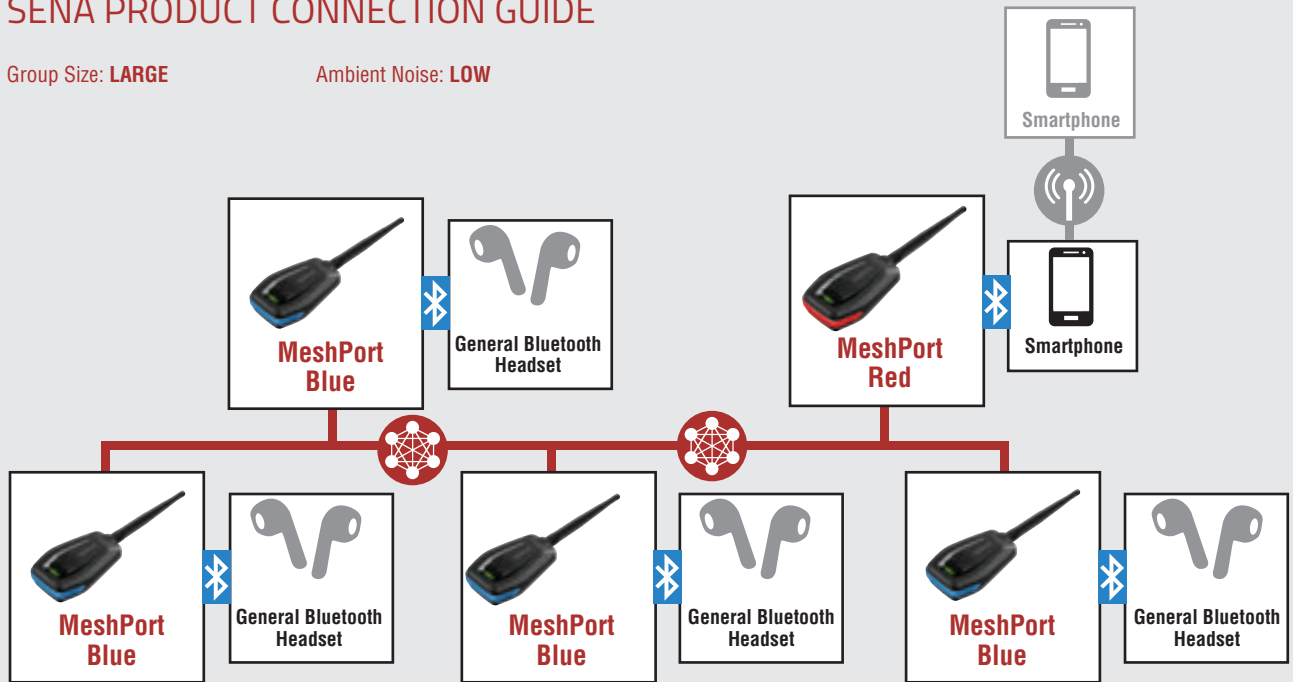
Ambient Noise: **HIGH**



SENA PRODUCT CONNECTION GUIDE

Group Size: **LARGE**

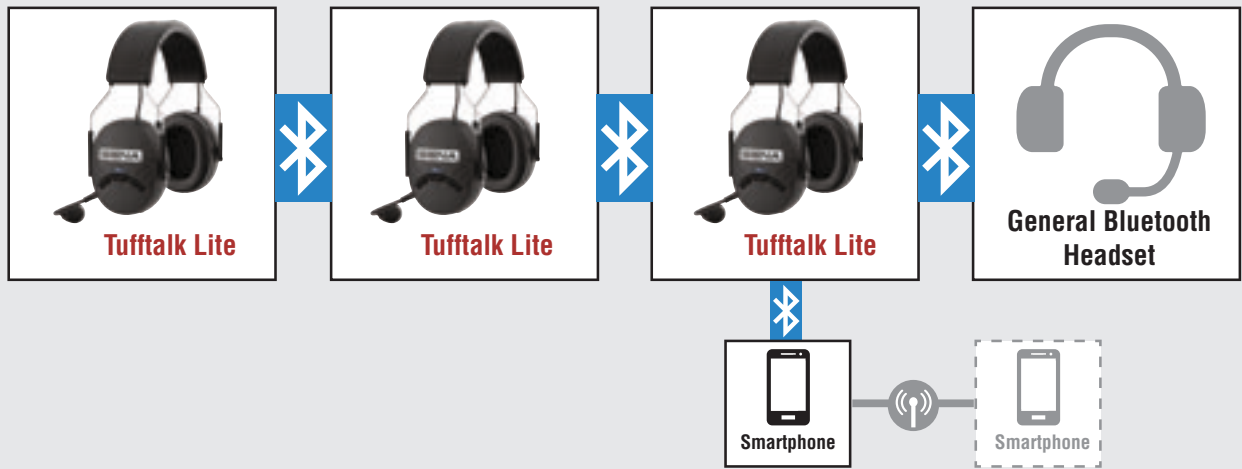
Ambient Noise: **LOW**



SENA PRODUCT CONNECTION GUIDE

Group Size: **SMALL**

Ambient Noise: **HIGH**





Communication with Hearing Protection

CAST

INDUSTRIAL BLUETOOTH® COMMUNICATION SYSTEM



CAST 01



CAST 02

CAST

Built on Mesh-Only communication technology, Cast ensures seamless and reliable user connectivity. With an additional hour of talk time compared to previous models, it offers extended usage for uninterrupted conversations. Cast stands out with its durability and improved construction, providing a durable, long-lasting device. Moreover, its innovative design incorporates outer speakers that capture ambient noise, ensuring safety in high-traffic areas.

CAST	Part Number	MSP
CAST 01	CAST-01	
CAST 02	CAST-02	



Mesh 2.0



Bluetooth 4.2



Intercom 1.1 km



Attenuation 28dB



Advanced Noise Control™



FM Radio



SENA Industrial App

ACCESSORIES



HARD HAT ADAPTERS

Part Number: CAST-A0102



HYGIENE KIT

Part Number: SC-A0351



MICROPHONE KIT

Part Number: SC-A0352









TUFFTALK LITE

INDUSTRIAL BLUETOOTH® COMMUNICATION SYSTEM



Tufftalk Lite 01

Tufftalk Lite 02

-  Bluetooth 4.1
-  Advanced Noise Control™
-  Four-way Intercom
-  Universal Intercom™
-  Attenuation 21dB
-  Four-way Intercom
-  FM Radio
-  Smartphone App

TUFFTALK LITE

The Bluetooth 4.1 enabled Tufftalk Lite is a lightweight headset which allows users to communicate with 3 other workers over 800m, listen to music, and even connect to a smartphone to receive and make calls. Seamless Bluetooth intercom communication allows users to talk without interruption with HD-quality speakers and Advanced Noise Control technology delivering audio that's clear in even the loudest of work environments.

Tufftalk	Part Number
Lite	TUFFTALK-LITE-01
Lite	TUFFTALK-LITE-02

ACCESSORIES



HARD HAT ADAPTERS

Part Number: TUFFTALK-A0201



HYGIENE KIT

Part Number: TUFFTALK-A0204

TUFFTALK M

INDUSTRIAL BLUETOOTH® COMMUNICATION SYSTEM



Tufftalk M 01



Tufftalk M 02



TUFFTALK M

Mesh is a self-optimizing and self-healing network, always looking for the best connection and seeking a new one when a device disconnects. Tufftalk M features two different Mesh modes: Open Mesh and Group Mesh. With Open Mesh, a near-unlimited number of users can connect to each other within an effective range of 1.1 km (0.7mi). For private sessions, Group Mesh supports up to 24 participants. Tufftalk M also features 4-way Bluetooth intercom in order to connect to Sena's Bluetooth-equipped devices. Tufftalk M-01 has a Noise Reduction Rating of 26 dB, Tufftalk Lite-02 has a Noise Reduction Rating of 24 dB

Tufftalk	Part Number
M	TUFFTALK-M-01
M	TUFFTALK-M-02



Mesh Networking



Bluetooth 4.1



Intercom 1.1 km



Attenuation 26dB



Advanced Noise Control™



FM Radio



Smartphone App

ACCESSORIES



HARD HAT ADAPTERS

Part Number: TUFFTALK-A0201



HYGIENE KIT

Part Number: TUFFTALK-A0204



MICROPHONE KIT

Part Number: TUFFTALK-A0205



Lightweight Communication Headsets

SPH10

BLUETOOTH® STEREO HEADSET & INTERCOM



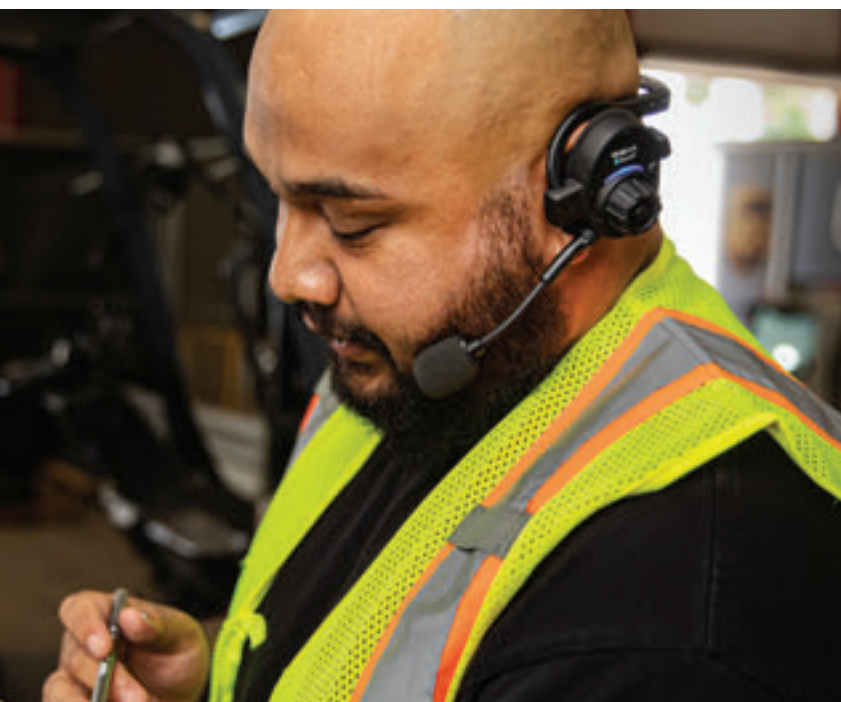
SPH10

RUGGED VERSATILITY

Extremely versatile with a long range, the SPH10 Bluetooth 3.0 stereo headset brings your favorite tunes, GPS navigation, four-way intercom conversations featuring a 900-meter range, and hands-free calling to cater to a wide range of industrial worksite settings. The SPH10 uses the Universal Intercom™ protocol, which allows Sena's headsets to work with others, regardless of brand. Mesh capable in connection with Meshport

Part Number

SPH10-10



- Bluetooth 3.0
- Versatile Jog Dial
- 900 m Intercom
- Voice Prompts
- Bluetooth Stereo Music
- Audio Boost
- Advanced Noise Control™
- Can Be Used While Charging
- Music Sharing
- Firmware Upgradeable

ACCESSORIES



USB POWER CABLE

Part Number: SC-A0100



HYGIENE KIT

Part Number: SPH-A0201

EXPAND MESH

MULTI-SPORT MESH INTERCOM™ COMMUNICATION HEADSET



EXPAND MESH

TECH FIT FOR MULTIPLE ACTIVITIES

The Sena Expand Mesh is a compact communication headset equipped with Mesh Intercom™ technology allowing for easy group communication. With just a touch of a button link multiple Expand Mesh headsets and/or any Sena Mesh Intercom™ device for open communication, perfect for a wide variety of recreational activities.

Part Number

EXPANDM-01



Mesh Intercom™



Multi-Channel Communication



Built-In Speakers and Mic



Audio Multitasking™



Bluetooth 5.2



Smartphone App



Firmware Upgradeable



Advanced Noise Control™



Intercom up to 1.6 km

ACCESSORIES



HYGIENE KIT

Part Number: EXPAND-A0203



Adapters

MESHPORT

MESH ADAPTER



MESHPORT BLUE

TAKE ADVANTAGE OF MESH INTERCOM NETWORK REGARDLESS OF HEADSET BRAND

Upgrade non-Sena Industrial brand Bluetooth headsets such as AirPods or Google Pixel buds with Mesh Intercom capabilities with Sena's MeshPort Blue Adapters. Start communicating immediately with Sena Industrial Mesh headsets too such as Tufftalk M or other brands of Mesh intercom headsets supporting Bluetooth 4.1. MeshPort Blue allows users to connect any other brand of general Bluetooth headsets to the Mesh network.



MESHPORT RED

INTEGRATE SMARTPHONES OR TABLET PCS INTO ONSITE COMMUNICATION

Smartphones and tablets can become part of the onsite team communication by allowing cellular or Wi-Fi devices to access the mesh network with the VoIP protocol.



Mesh 2.0 Device Adapter



Bluetooth 4.1



800 m Intercom

Meshport	Part Number
Blue	MP-02
Red	MP-03

GLOSSARY

A BRIEF DICTIONARY



Advanced Noise Control

When Advanced Noise Control is enabled, the background noise is reduced during an intercom conversation. When it is disabled, the background noise is mixed with your voice during intercom conversation.

Ambient Mode

You can hear the ambient sound outside of your helmet by activating the Ambient Mode. To activate the Ambient Mode, press twice the Ambient Mode Button, which is placed on the bottom of the clamp unit.

Audio Multitasking

Audio Multitasking allows you to have an intercom conversation while simultaneously listening to music, FM radio, or GPS directions. The overlaid audio is played in the background with reduced volume whenever there is an intercom conversation and will return to normal volume once the conversation is finished.

Audio Overlay

Audio Overlay allows you to hear the audio from two features simultaneously. When Audio Overlay is enabled, phone calls, GPS instructions and intercom conversations can be overlaid with audio from the FM radio, music or GPS app instructions from a smartphone in the background with reduced volume. Increasing or decreasing the volume of the audio in the foreground will also increase or decrease the volume of the overlaid audio in the background.

Bluetooth Audio Recording

Can be paired with the Sena Prism Action Camera or GP10 Bluetooth Audio Pack for GoPro® for seamless recording of audio and video.

Dual A2DP Support

Support for two music or MP3 devices.

Firmware Upgrades

All Sena devices support the firmware upgrade function.

Please visit our website at www.sena.com to check the latest software downloads.

FM Radio

Built-in FM radio.

Group Intercom

Group Intercom allows you to instantly create a multi-way conference intercom of up to eight participants. You can create and start Group Intercom through your Smartphone App.

Intercom + Phone Call Conference

Users can have a three-way phone call conference by adding an intercom friend into the phone call conversation.

Motion Sensor

This feature allows one to double tap on the surface of the 20S to enter voice command mode. The sensitivity of this feature can easily be adjusted.

Music Sharing

A feature which allows one to start sharing music with an intercom friend using Bluetooth stereo music during a two-way intercom conversation.

Navigation App Support

When Audio Multitasking is enabled, your Smartphone's GPS application reduces in volume whenever there is an ongoing intercom conversation. To listen to your Smartphone's GPS navigation clearly without this volume reduction, enable Navigation App Support.

NFC Mobile Phone Pairing

You can quickly pair your Mobile Phone using NFC (Near Field Communication) technology with your NFC-enabled Mobile Phone. Easily pair your Smartphone to your 20S without having to press any buttons on the 20S.



Second Mobile Phone (Multipoint)

Typical Bluetooth headsets can connect with only one Bluetooth device, but a second Mobile Phone Pairing allows the headset to connect with another Bluetooth device such as a second Mobile Phone, an MP3 player, or the Sena SR10 (the Bluetooth adapter).

Sena Smartphone App

Device is compatible with the Sena Smartphone App.

Sidetone

Sidetone is the sound of your own voice as picked up by your headset's microphone and reproduced in your own ear, by your own speaker. It helps you to naturally speak at the correct level according to varying helmet noise conditions. If this feature is enabled, you can hear what you are speaking during an intercom conversation or a phone call.

Smart Volume Control

Smart Volume Control automatically changes the level of the speaker volume based on the level of the environmental noise.

Speed Dial

You can quickly make a phone call by using the voice speed dial menu.

Universal Intercom

You can have an intercom conversation with non-Sena Bluetooth headsets using the Universal Intercom function. Non-Sena Bluetooth headsets can be connected to the Sena Bluetooth headset if they support the Bluetooth Hands-Free Profile (HFP).

Voice Commands

Simply speak a command into the microphone to activate certain features of the device. For example, "End Intercom" will end all intercom conversations.

Voice Prompts

You can disable voice prompts, but the following voice prompts are always on: Configuration (for setting the menu), Check Battery, Factory Reset, Speed Dial, and the voice prompts for FM radio functions.

VOX Intercom

Speak into the microphone loudly enough to connect with the last intercom friend to start talking over the intercom.

VOX Phone

When voice-activated phone answering is enabled, you can answer incoming calls by simply saying a word loudly enough, unless you are connected to the intercom.

Mesh Intercom

Mesh intercom is an adaptive and autonomous intercom technology developed by Sena which features self-organizing, self-healing, self-optimizing, and multi-hopping group communication. Mesh intercom allows riders to connect and communicate with nearby users without the need to pair each headset together.

Open Mesh

It can connect with a virtually unlimited number of nearby Mesh user within a 1.6 km range: 6 people can talk at the same time while a virtually limitless number of participants listen when they are within range. Users can freely connect with each other when in Open Mesh. Open Mesh is recommended since it is the easiest way to have a group intercom communication.

Closed Mesh

When the headset or Helmet is in Close Mesh, it can connect with up to 15 other Mesh User. The range between each headset or helmet in Private Mode can be up to 2.0 km. The Mesh can extend up to 8.0 km head-to-tail during a closed intercom conversation. In a Closed Mesh group participants can leave, join or rejoin a group intercom conversation without affecting the connection between each of the headsets or helmets.

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