MOTOROLA

CommPort™ Integrated Microphone/Receiver System

Ideal for Firefighters and Public Safety Professionals

NOW USING DSP TECHNOLOGY!

Provides sharp two-way communication.

Attaches easily to your portable radio and fits securely around your ear.

Comfortable, even when worn for extended periods.

Functions under high noise conditions.

Does not block normal hearing so important background sounds can still be heard.

Private listening - only you hear the messages you receive.

Resilient to rain, heat and dust.

Designed to perform under the most severe conditions.

Durable storage case protects your CommPort System when not in use.

CommPort™
Integrated Microphone/Receiver System

DSP – Digital Signal Processing Technology

Speak in a Whisper... Hear in a Crowd.

Using the latest in Digital Signal Processing (DSP) technology, the CommPort System makes it possible to hear and speak under the most adverse conditions. Whether it's transmitting to firefighters in a burning building, to SWAT or police in a covert situation, or to workers operating in a noisy manufacturing, transportation or construction environment, the CommPort System enables wearers to hear and be heard clearly.

How does it work?

CommPort contains a miniature microphone and receiver that connect to a Motorola two-way radio and fasten securely to the ear. Unlike bone conduction or boom mic technology, the CommPort System picks up sound waves as they cross the face and enhances voice clarity under high noise conditions with proprietary DSP technology. The miniature receiver system delivers clear and private audio to the open ear without blocking hearing of environmental sounds.

Remarkably well.

The CommPort System is lightweight and easy to use, yet it is constructed to withstand the harshest environments. Rain and exposure to high temperatures have virtually no effect on its operation. The CommPort System is extremely comfortable, making it ideal for long periods of wear. And so compact that even someone wearing an airmask can communicate effectively.

Solve your communication challenges by customizing your Motorola two-way radio for greater performance with the CommPort Integrated Microphone/Receiver System.

standard *palm* *ring* *snap-on-side* *body*

Five Ways to Solve Communication Challenges

More Choices Than Ever. Choose From Five Transmission Controls.

A variety of Push-to-Talk options including Standard, Palm, Ring, Snap-on-Side and Body Push-to-Talk allow the user to customize the CommPort System for almost any application. All CommPort Systems come with an adapter and are Intrinsically Safe (FM).

The following products are compatible with the XTS 5000™, XTS 3000™, XTS 2500™, XTS 1500™, MT 1500™ and PR1500 two-way radios. Includes Audio Adapter BDN6676D.

NTN1625A	**Integrated Microphone/Receiver with PTT on Radio Adapter**
NTN1624A	**Integrated Microphone/Receiver with Palm PTT**
NTN1663A	**Integrated Microphone/Receiver with Ring PTT**
NTN1736A	**Integrated Microphone/Receiver with Snap-on-Side PTT**
NNTN4186A	**Integrated Microphone/Receiver System with Body PTT**

The following products are compatible with the HT750™, HT1250™, HT1250·LS™, HT1550·XLS™, MTX850™, MTX850·LS™, MTX8250™, MTX8250·LS™, MTX950™ and MTX9250™ two-way radios. Includes Audio Adapter AAHLN9717A.

NTN1722A	**Integrated Microphone/Receiver with PTT on Radio Adapter**
NTN1723A	**Integrated Microphone/Receiver with Palm PTT**
NTN1724A	**Integrated Microphone/Receiver with Ring PTT**
NTN1737A	**Integrated Microphone/Receiver with Snap-on-Side PTT**
NNTN4187A	**Integrated Microphone/Receiver System with Body PTT**

Replacement/Upgrade Cables

Upgrade your CommPort System with any of these Push-to-Talk options.

The following upgrade cables are compatible with the XTS 5000, XTS 3000, XTS 2500, XTS 1500, MT 1500, PR1500, HT750, HT1250, HT1250·LS, HT1550·XLS, MTX850, MTX8250, MTX850·LS, MTX8250·LS, MTX950 and MTX9250 two-way radios.

NKN6510A	**Upgrade Cable with Palm PTT**
NKN6512A	**Upgrade Cable with Ring PTT**
NKN6525A	**Upgrade Cable with Snap-on-Side PTT**
NNTN4188A	**Upgrade Cable with Body PTT**

Palm Push-to-Talk - NTN1624A, NTN1723A

Ring Push-to-Talk - NTN1663A, NTN1724A

Snap-on-Side Push-to-Talk - NTN1736A, NTN1737A

Body Push-to-Talk - NNTN4186A, NNTN4187A

CommPort™ Integrated Microphone/Receiver System

Specifications

	MATERIAL SAFETY
Earpiece	High Impact, High Temperature, Non Skin Irritating Polycarbonate
Eartube	Silicone, No Known Adverse Effects to Skin
	ERGONOMIC SPECIFICATIONS
Anatomically Designed Eartube	Dual Durometer Silicone Optimized for Comfort and Retention (Replaceable)
Secure Attachments to Ear	+/- 90 Degree Head Rotation
	Compatible with Eyeglasses
Earpiece Fit	Compatible with 95% Adult Population, Left/Right Ear Configurable
Non-Occluded Hearing	Less Than 3dB Loss
Privacy	Sound Delivered to Ear Canal
	MECHANICAL SPECIFICATIONS
Military Standard 810E	Rain (Water Resistant): Method 506.3 Procedure 1
	Random Vibration: Method 514.4 Procedure 1,
	Category 10 table 514.4 - VII, Figure 514.4 - 15
	Mechanical Shock: Method 516.4 Procedure 1
	Salt Fog: Method 509.3 Procedure 1
Operating Temperature	-300 C to +600 C
PTT Operations	500,000 Minimum
Clothing Attachment Clips	Rotate 360 Degrees
Coil Cord	3.5 Inch Extension at Collar for Comfort and Flexibility
	ACOUSTICAL SPECIFICATIONS - Microphone
Type	Directional / Noise Eliminating
Background Noise	Intelligible Transmit up to 100dB SPL
Max Total Harmonic Distortion	Less Than 3% @ 70 dB SPL 1 kHz Input
Frequency Range	Dynamic Equalization 300Hz to 3000Hz
Automatic Gain Control	Fast Attack / Slow Release - Nonsaturating from Whisper to Shout
Voice Processing	Dynamic Multiband Compression for Optimized Intelligibility
	ACOUSTICAL SPECIFICATIONS - Receiver
Acoustical Output	118dB Equivalent SPL Maximum
Frequency Response	Equalized for Flat Perception from 500 to 3000Hz +/- 4dB

MAGNUM ELECTRONICS, INC

MOTOROLA SOLUTIONS
Radio Solutions Channel Partner

MOTOROLA SOLUTIONS
PLATINUM CHANNEL PARTNER
Manufacturers Representative
Professional & Commercial Radio Elite Specialist
P25 Systems

MOTOROLA ORIGINAL

MOTOROLA

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