DIMETRA MISSION-CRITICAL DISPATCH ACCESSORIES

MOTOROLA SOLUTIONS

MISSION-CRITICAL DISPATCH ACCESSORIES

As a dispatcher, when every second counts, it's your job to provide crucial intelligence to personnel and to keep people safe. Yet in today's world you have more information, resources, and tools competing for your attention than ever. Precious time is lost if you have to repeat yourself due to transmission difficulties. That's why we created a portfolio of mission-critical dispatching accessories. Based on extensive observation of the way dispatchers work, they have been thoughtfully designed to help you confidently and efficiently manage any situation that comes your way.

Purpose Built Accessories
Superior Audio Quality and Performance

Flexible Mounting Options
Freestanding or Permanently Mounted

Reliability Through and Through
Rugged Physical Design for 24/7/365 Use

USB GOOSENECK MICROPHONE B1951

The USB gooseneck microphone is specifically designed for use in mission critical dispatch products. This purpose-built USB-based microphone connects directly to the dispatch position's PC.

With a dedicated instant transmit button located directly at the base of the microphone, dispatchers can effortlessly communicate with the talkgroup of their choice. The microphone has a dedicated All Mute button, allowing dispatchers to mute all of the audio on resources that are not currently selected at a console position.
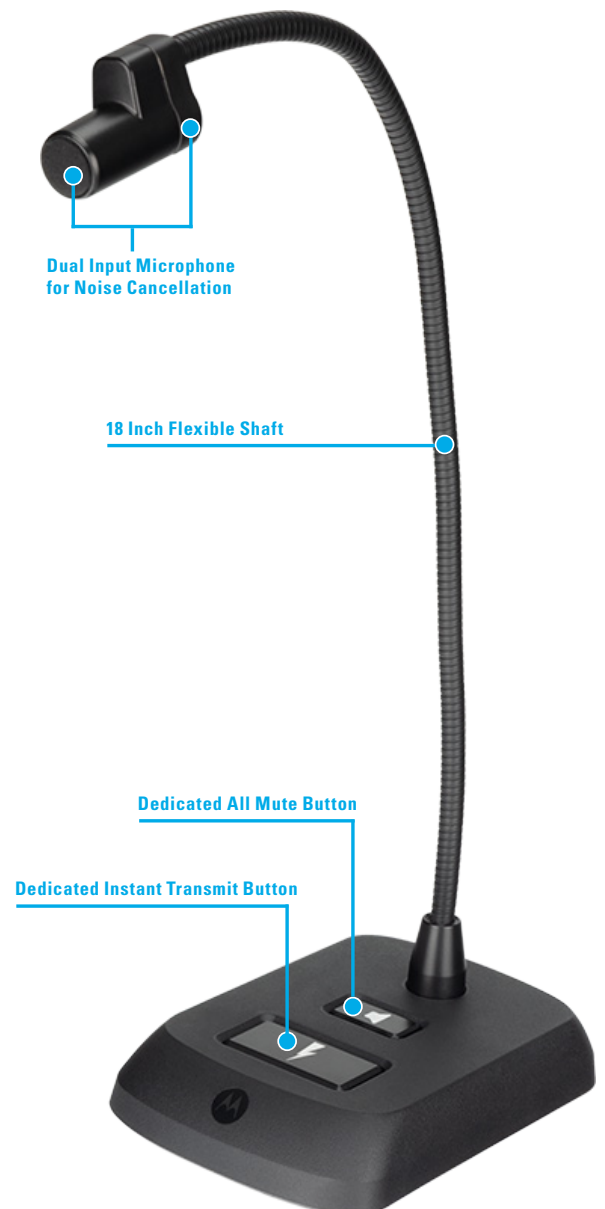
This microphone has built-in active noise cancellation capability designed to provide 20 db of front to back noise cancellation. Active noise cancellation delivers loud and clear audio by virtually eliminating both off-axis coloration and proximity effect that causes bassy and muffled audio when speaking too close to the microphone.

The microphone has flexible mounting configurations available. With both freestanding or permanent mounting options, the microphone will seamlessly blend into the environment however you see fit. The base of the microphone has threaded holes allowing you to securely fasten it to your dispatch furniture.

Utilizing the industry standard USB-C connector, the gooseneck microphone can be used with commercially available cables. For added assurance and optimal performance, special cables are available that can better meet the needs of mission-critical environments. The USB gooseneck microphone comes with a Type C to Type A cable, which is longer than most commercially available cables (4.5 meters) so they can be routed through dispatch furniture. They also include a thumb screw on the end that connects to the speaker to secure the cable to the speaker minimizing the risk of accidentally losing connection and missing incoming audio.

GOOSENECK MICROPHONE SPECIFICATIONS

Frequency Response	150 - 12,500 Hz at 48 kHz sampling rate 80 - 3,750 Hz at 8 kHz sampling rate
Total Harmonic Distortion	<5%
Noise Cancellation	Minimum of 20 dB active noise cancellation
Dimensions (H x W x D)	21.0 x 4.7 x 6.5 inches (Gooseneck pointing straight up) 533 x 119 x 165 mm
Mounting Options	Freestanding Or Permanent - via two #10-32 threaded holes conveniently located at the base of the microphone stand that can be used to attach to flat surfaces.
Weight	2.6 lbs 1.2 kg
Power Consumption	<< 1 Watt
Thermal Output	< 1 BTU/Hr
Operating Temperature	32°F to 104°F 0°C to 40°C
Storage Temperature	-13°F to 158°F -25°C to 70°C
Relative Humidity Operating	0% - 90% relative humidity at 40°C non-condensing
Cable Connector Type	USB-C
Cable Length	4.5 meters 14.8 feet

Dual Input Microphone for Noise Cancellation

18 Inch Flexible Shaft

Dedicated All Mute Button

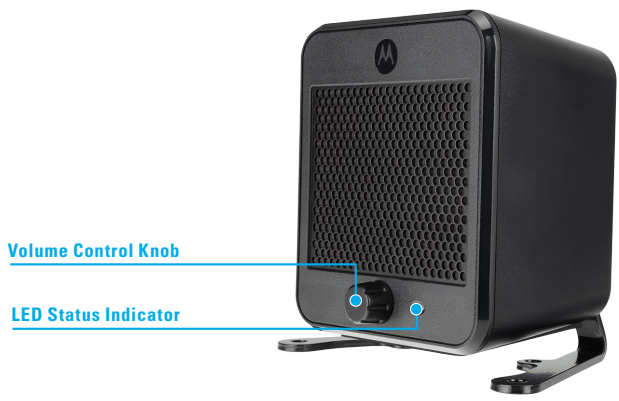Dedicated Instant Transmit Button

USB DESKTOP SPEAKER B1952

The USB speaker has been specifically designed for use in mission-critical environments. This USB-based desktop speaker connects directly to the dispatch position's PC. Unlike commercially available desktop speaker systems, each speaker offers its own individual volume control. Having an adjustable volume control on each speaker allows dispatchers to more effectively manage incoming audio streams. The speakers can be powered via USB, or for added amplification, with an external power supply. For the highest audio quality it is recommended the speaker be used with an external power supply.

THE USB DESKTOP SPEAKER SYSTEM PROVIDES DIFFERENT POWER LEVELS AS FOLLOWS:

85 db SPL at 50 cm	~2W	With no external power supply and a USB connection capable of providing 500mA of current
92 db SPL at 50 cm	~5W	With no external power supply and a USB connection capable of providing 1.5A of current
95 db SPL at 50 cm	~10W	With no external power supply and a USB connection capable of providing 3.0A of current
102 db SPL at 50 cm	~20W	With any type of USB connection and an external power supply

The speakers have a Type C USB connector with a threaded hole above it. While the speaker can be used with commercially available USB cables, special cables are available that can better meet the needs of mission critical customers. The USB desktop speaker comes with a Type C to Type A cable, which is longer than most commercially available cables (4.5 meters) so they can be routed through dispatch furniture. They also include a thumb screw on the end that connects to the speaker to secure the cable to the speaker minimizing the risk of accidentally losing connection and missing incoming audio.

Volume Control Knob

LED Status Indicator

Flexible Mounting Options

USB DESKTOP SPEAKER SPECIFICATIONS

Frequency Response	120 - 10,300 Hz at 48kHz sampling rate 120 - 3,700 Hz at 8 kHz sampling rate
Total Harmonic Distortion	<5%
Dimensions (H x W x D)	Without Mounting Bracket 6.1 x 5.3 x 5.0 inches 155 x 135 x 127 mm With Mounting Bracket 6.5 x 6.9 x 5.5 inches 165 x 175 x 140 mm
Weight	Speaker Only 2.0 lbs 0.9 kg With Mounting Bracket 2.6 lbs 1.2 kg
Power Consumption	With External Power Supply 41 Watts (maximum) 25 Watts (typical) With USB Supplying 3A 15 Watts (maximum) 9.1 Watts (typical) With USB Supplying 1.5A 7.5 Watts (maximum) 4.5 Watts (typical) With USB Supplying 500 mA 2.5 Watts (maximum) 1.5 Watts (typical)
Thermal Output	With External Power Supply 140 BTU/Hr (maximum) 86 BTU/Hr (typical) With USB Supplying 3A 52 BTU/Hr (maximum) 31 BTU/Hr (typical) With USB Supplying 1.5A 26 BTU/Hr (maximum) 16 BTU/Hr (typical) With USB Supplying 500 mA 9 BTU/Hr (maximum) 6 BTU/Hr (typical)
DC Operating Voltage	24 VDC (nominal)
Operating Temperature	32°F to 104°F 0°C to 40°C
Storage Temperature	-13°F to 158°F -25°C to 70°C
Relative Humidity Operating	0% - 90% relative humidity at 40°C non-condensing

FOOTSWITCH DDN1396

The new ergonomic footswitch provides two separate foot pedals for controlling functions on your radio dispatch position.
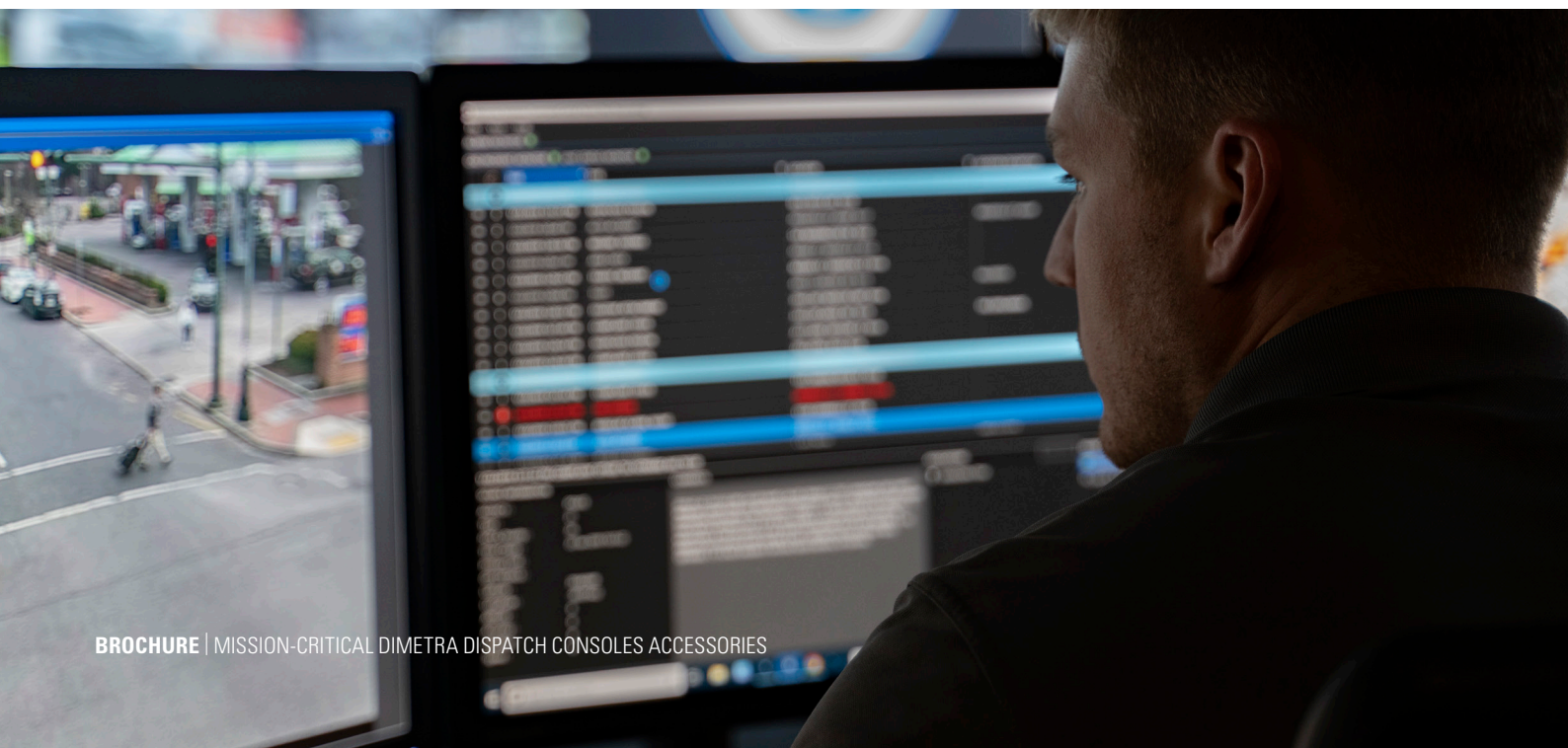
The right pedal controls the general transmit function, while the left pedal controls the all-mute function.

The footswitch is connected via an extra long 277cm USB cable.

The ergonomic, rounded design uses front-hinged pedals for easy activation and includes the capability for adjustable pedal-positioning and adjustable activation force. A heavy steel base and the low profile help to keep the footswitch from sliding.

FOOTSWITCH SPECIFICATIONS

Dimensions (H x W x D)	1.25 x 6.5 x 7 inches 3.17 x 16.5 x 17.8 cm
Weight	1.6 lbs 0.73 kg
Cable Length	109'' 277 cm
Operating Temperature	50°F to 105°F 10°C to 41°C
Storage Temperature	32°F to 120°F 0°C to 49°C
Relative Humidity Operating	10% - 80% non-condensing

PLANTRONICS HEADSET
GMDN1151D

The Plantronics EncorePro 510 is certified for use with dispatch consoles from Motorola Solutions, part number GMDN1151D. This headset provides all day comfort with soft ear cushions, superior noise-cancelling for clearer calls, and increased reliability so conversations can continue without worry. The flexible microphone provides both visual and tactical positioning guides for precise positioning resulting in clearer conversations. The headset meets OSHA standards for work regulations. You can use headsets not certified by Motorola Solutions but we cannot guarantee their performance.

The headset is used together with Plantronics DA-80 USB adapter.

More information about these products is available at:
https://www.plantronics.com/us/en/product/encorepro-510-520
https://www.plantronics.com/us/en/product/da-series

EncorePro 510

DA80 USB

CONSOLE BEACON GMDN2350B

The optional beacon can be used with MCC 7500C Console to indicate incoming emergency alarms visually or unacknowledged alarms both visually and audibly. The Beacon is powered via the USB interface and IP65 rated. The use of OmniVIEW technology allows for best visibility from all positions and angles.

The beacon consists of red, yellow and green LED light elements, a buzzer and a USB interface. The USB cable is NOT included and should be sourced locally to fit the specific operator position requirements. The maximum cable length is 5 m.

LOCAL LOGGING ADAPTER GMDN2213B

An optional external Digigram UAX220 V2 USB soundcard can be used to provide connection to 3rd party Local Logger Server (LLR) and Instant Recall Recorder (IRR).

4-PORT USB HUB GMDN10352A

In rare cases when the 7 ports available with the Console workstations are insufficient, the StarTech.com GMDN10352A 4-Port USB 3.0 Hub can be used to add further USB ports for connecting all possible accessories. HUB should not be used to connect devices with high power consumption: Footswitch, Beacon, Local Logging Adapter, and Speakers, even if externally powered.

For more information about our mission-critical dispatch accessories please visit
www.motorolasolutions.com/dispatch

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