



Commander II™ and Commander II™ Plus

Remote Speaker Microphones

Commander II Series Features

- Emergency Button
- Volume Control on Microphone
- 2 Programmable Buttons
- Optional 16-Channel Selector Knob provides tactile feedback
- Receive-Only 3.5mm audio jack on water-resistant models for discrete conversations
- Enhanced with controls normally found only on the radio itself
- Large buttons designed for users who wear gloves
- Designed for XTS® 3000, and XTS® 5000 two-way radios*
- Intrinsically Safe when used with XTS® 3000 and XTS® 5000 two-way radios**



Even more convenient communication is at hand for first-responders. Users of XTS® 3000 and XTS® 5000 two-way radios* can further customize their radios with the Commander II™ series of microphones. With a choice of channel selector, 3.5mm audio jack and even a fully submersible model – these microphones can help public safety professionals stay in command.

The Commander II™ and the Commander II™ Plus Remote Speaker Microphones feature windporting technology – which dramatically lessens background noise in windy and other severe weather conditions. Audio can pass through the speaker grill even when the microphone port is wet, ensuring clear communication at all times.

These capable microphones now come in two versions, one with and one without a channel selector. Both microphones feature an emergency button, volume control, and 2 programmable buttons and are available in water-resistant (IP54) or fully submersible (Delta-T) models. The optional 16-channel selector knob has tactile feedback and the water-resistant models allow use of Motorola earpieces through a receive-only 3.5mm audio jack. Ideal for firefighters, police and other professionals who frequently keep their XTS Series two-way radio inside a case or under their clothing. Users can access important controls without reaching for the radio. Compatible with ASTRO® Digital XTS 5000, and XTS 3000 two-way radios* only.

Commander II™

RMN5089

Channel selector allows access to important radio controls from microphone head. Water-resistant design with 3.5mm audio jack for accessory use.

RMN5067

Without channel selector. Water-resistant design with 3.5mm audio jack for accessory use.

Commander II™ Plus

RMN5088

Channel selector allows access to important radio controls from microphone head. Fully submersible design.

RMN5066

Without channel selector. Fully submersible design.

* Compatible with ASTRO® Digital XTS 3000 and XTS 5000 Two-way radios. XTS 5000 radios must have a radio host code of R02.20.00 or later. For a complete submersible radio and microphone system, use with XTS 3000R and XTS 5000R Ruggedized models. System enhancement release (SER) of Q4 2002 or later.

**Intrinsically Safe with ASTRO® Digital XTS 3000 and XTS 5000 two-way radios only.

Specification Sheet

RSM Audio Accessories

The following earpieces are compatible with Commander II Remote Speaker Microphones with 3.5mm audio jack, RMN5067 and RMN5089.

AARLN4885

Receive-Only Covered Earbud

RLN4941

Receive-Only Earpiece with Translucent Tube and Rubber Eartip

WADN4190

Receive-Only Flexible Earpiece



AARLN4885



RLN4941



WADN4190

Commander II™ RMN5067, RMN5089 and Commander II™ Plus RMN5066, RMN5088

Microphone

Microphone Type:	Omnidirectional
Sensitivity:	-40dBV+/-2dBV @ 1kHz, 94dB SPL source, @ mouth reference point
Channel Change Knob: RMN5089	16 position channel knob, both RSM/Radio
RMN5088	16 position channel knob, both RSM/radio
RMN5067	Not available
RMN5066	Not available
Volume Control Levels:	Seven levels, radio minimum to maximum with feedback tone.
Orange Emergency Button:	Located on top surface, mimics radio emergency button.
Programmable Buttons:	Two located beneath PTT, mimics radio programmable buttons.

Speaker

Diameter:	45mm
Output Power:	.5W @ rated audio
Output Level:	90dB SPL Typical, 600Hz to 3000Hz, @ rated audio @ 30cm from RSM
Maximum Output Level:	≤ 120dB SPL @ MAX volume
Distortion (THD):	< 5% @ 1kHz @ rated audio
Frequency Response:	300Hz -3000Hz

Earpiece

Audio Jack:	
RMN5089	3.5mm unthreaded jack
RMN5088	Not available
RMN5067	3.5mm unthreaded jack
RMN5066	Not available
Maximum Output Level:	
RMN5089	118dB SPL typical @ MAX volume
RMN5088	Not available
RMN5067	118dB SPL typical @ MAX volume
RMN5066	Not available
Acoustic Feedback:	35 ft. typical, outdoor, radio @ MAX volume, environment dependent

Body

Dimensions:	62 x 87.5 x 43mm
W x L x D	with clothing clip
Weight:	229 Grams
Case Material:	Flame resistant polycarbonate

Power

Power Source:	Radio main battery
Current Drain:	5mA typical in standby and operation 3% MAX @ 5/5/90 duty cycle, 3% MAX @ 10/10/80 duty cycle

Cable

Flex Life:	100,000 cycles
Pull Strength:	40 lbs, minimum tensile, in-line 40 lbs, minimum tensile, perpendicular
Case Material:	Flame retardant polycarbonate

Environmental

Operating Temp:	-30° to +60° C
Storage Temp:	-55° to +85° C
Thermal Shock:	-57° to +80° C
Humidity:	90 - 95% RH @ 50° C for 8 hours.
Rain:	
RMN5089	MIL 810F Method 506.4, Procedure 1, Category 3 without audio accessory
RMN5088	MIL 810F Method 506.4,
RMN5067	MIL 810F Method 506.4, Procedure 1, Category 3 without audio accessory
RMN5066	Procedure 1, Category 3
Immersion:	
RMN5089	Not applicable
RMN5088	MIL 810E Method 512.3, Procedure 1
RMN5067	Not applicable
RMN5066	MIL 810E Method 512.3, Procedure 1
Salt/Fog:	MIL 810E Method 509.3
Dust:	MIL 810E Method 510.3, Procedure 1
Vibration:	MIL 810E Method 514.4, Procedure 1, Category 1; Procedure 2, Category 3
Mechanical Shock:	MIL 810E Method 516.4, Procedure 1, Category 4
Impact (Grill):	1.25" diameter. Steel ball drop @ 500mm
ESD:	IEC 801-2
IP Rating*:	
RMN5089	IP54 without audio jack accessory
RMN5088	Delta-T
RMN5067	IP54 without audio jack accessory
RMN5066	Delta-T

*IP54 - 4 rating stands for protection against water sprayed from all directions. Delta-T meets MIL-STD 810 C, D, E, and F specifications and product submersion at 1meter for 2 hours using a Remote Speaker Microphone at a temperature 27° C hotter than the water.



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