

# 5000D SERIES

**Digital Intercom  
5100D, 5200D  
5300D, 5400D**



5400D Digital Intercom

The Firecom 5000D Series Digital Intercoms connect up to four radios for simulcast interoperability with mutual aid and other agencies to improve operational efficiencies and responder safety.

The Digital Intercom is customizable to accommodate new or existing radio and intercom configurations, interfaces up to four additional devices including cell phones, and is 100 percent retrofit compatible with existing Firecom installations.



5400DRH Remote Head

## FEATURES



**GLOVE-RUGGED TOUCH CONTROLS**  
Glove-friendly, soft touch buttons replace knobs and dials, making adjustments easy.



**MULTIPLE AUXILIARY INPUTS/OUTPUTS**  
Front panel control of up to four auxiliary devices with active input indication.



**EASY UPGRADE - BACKWARD COMPATIBLE**  
Same physical footprint and connectors as 30xxR intercoms; works with wired and wireless systems.



**RADIO ACTIVITY INDICATOR**  
Each radio control indicates active receive or transmit traffic with bright, easy-to-read LEDs.



**RADIO SIMULCAST CAPABILITY**  
Each radio can be independently selected for listen-only transmit. Compatible with more than 400 makes and models of radios.



**WIRED HEADSET CONTROL**  
Front panel headset volume and squelch control.



**PRIORITY RADIO**  
Overrides all other inputs for transmit.



**WATERPROOF REMOTE HEAD**  
IP-67 rated for outdoor use. Duplicates all controls and indicators for remote use (up to 1,000 feet via cable).



**INDEPENDENT VOLUME AND SQUELCH**  
Set and hold for each radio and AUX input.

# 5000D SERIES

## Digital Intercom 5100D, 5200D, 5300D, 5400D

### FEATURES

#### ADVANCED FUNCTIONALITY

Up to 10 inputs for headsets or wireless base stations - up to 50 users  
 Priority headset input  
 Installs in-dash and/or with optional weatherproof remote head  
 Fully digital platform with customized factory programming available

#### MULTIPLE RADIOS

Monitor up to 4 radios simultaneously; transmit on one or more radios  
 Indication of transmit and receive on every radio and AUX connection  
 Interfaces with over 400 different radios via "plug-and-play" connections

#### COMPATIBILITY

Compatible with existing Firecom base stations, wired headsets, and mobile radio interface cables  
 Same form factor and connections as 30xxR intercoms

#### FLEXIBLE AUXILIARY CONNECTIONS

Up to 4 AUX in/outputs for computers, GPS, cell phones, MP3, etc.  
 Radios and cellular phones interface using modular components

#### TOUCH CONTROLS FOR EASY OPERATION WHILE DRIVING

Volume is instantly adjustable via touch pad  
 Easy-to-read illuminated display shows continuous system status

#### ADVANCED DIGITAL SIGNAL PROCESSING NOISE-REDUCTION CIRCUITRY

Clear voice communication - no 'clipped' words or background noise

#### ENGINEERED DURABILITY

Steel housing protects against heat, moisture, and impact damage  
 Long-life 5 million cycle button faceplate  
 Easy-to-clean faceplate  
 Wide range operating voltage: 11VDC to 30VDC  
 Optional remote head is IP67 rated water and dust-resistant for mounting outdoors and on vehicle exteriors. Up to 4 supported.

### INTERCOM SPECIFICATIONS

#### PHYSICAL

Weight: 42.6 oz. (without mounting bracket)  
 Dimensions: 6.6"D x 6.1"W x 2.0"H (with mounting bracket)

#### PERFORMANCE

Digital encoding for secure, interference-free communications  
 Supports mix of up to 10 wired headsets and/or wireless base stations

#### POWER

9-17VDC; 1A at 12V nominal

#### MIL SPEC

Humidity per MIL-STD 810F and 810G  
 Temperature Shock per MIL-STD 810F and 810G

#### ENVIRONMENTAL

Operating temperature -40°F (-40°C) to +176°F (+80°C)  
 Storage temperature -40°F (-40°C) to +176°F (+80°C)

#### SAE

Vibration per J1455, Sec. 4.9	Conducted Immunity per J1113-11
Electrostatic Discharge per J1113-13	Radiated Emissions per J1113-41
Radiated Immunity per J1113-21	Salt Spray per J1455, Sec. 4.3

#### ISO

Conducted Transients per 7637-2

### REMOTE HEAD SPECIFICATIONS

#### PHYSICAL

Weight: 7 oz.  
 Dimensions: 0.5"D x 7.2"W X 3.1"H

#### POWER

Supplied by intercom; 80mA per head (add to intercom fuse rating)

#### MIL SPEC

Humidity per MIL-STD 810F and 810G  
 Temperature Shock per MIL-STD 810F and 810G  
 Chemical Exposure per MIL-STD 810F and 810G

#### ENVIRONMENTAL

Operating temperature -40°F (-40°C) to +176°F (+80°C)  
 Storage temperature -40°F (-40°C) to +176°F (+80°C)  
 Ingress Protection: IP67 - dust-tight; water-tight at ≤1 meter immersion

#### SAE

Vibration per J1455, Sec. 4.9	Conducted Immunity per J1113-11
Electrostatic Discharge per J1113-13	Radiated Emissions per J1113-41
Radiated Immunity per J1113-21	Salt Spray per J1455, Sec. 4.3

#### ISO

Conducted Transients per 7637-2

### FIRECOM 5000D-SERIES DIGITAL INTERCOMS

Model	Headset and/or Wireless Base Station Connections	Radio Connections	Aux I/O Connections
5100D	6	1	1
5200D	8	2	2
5300D	10	3	3
5400D	10	4	4