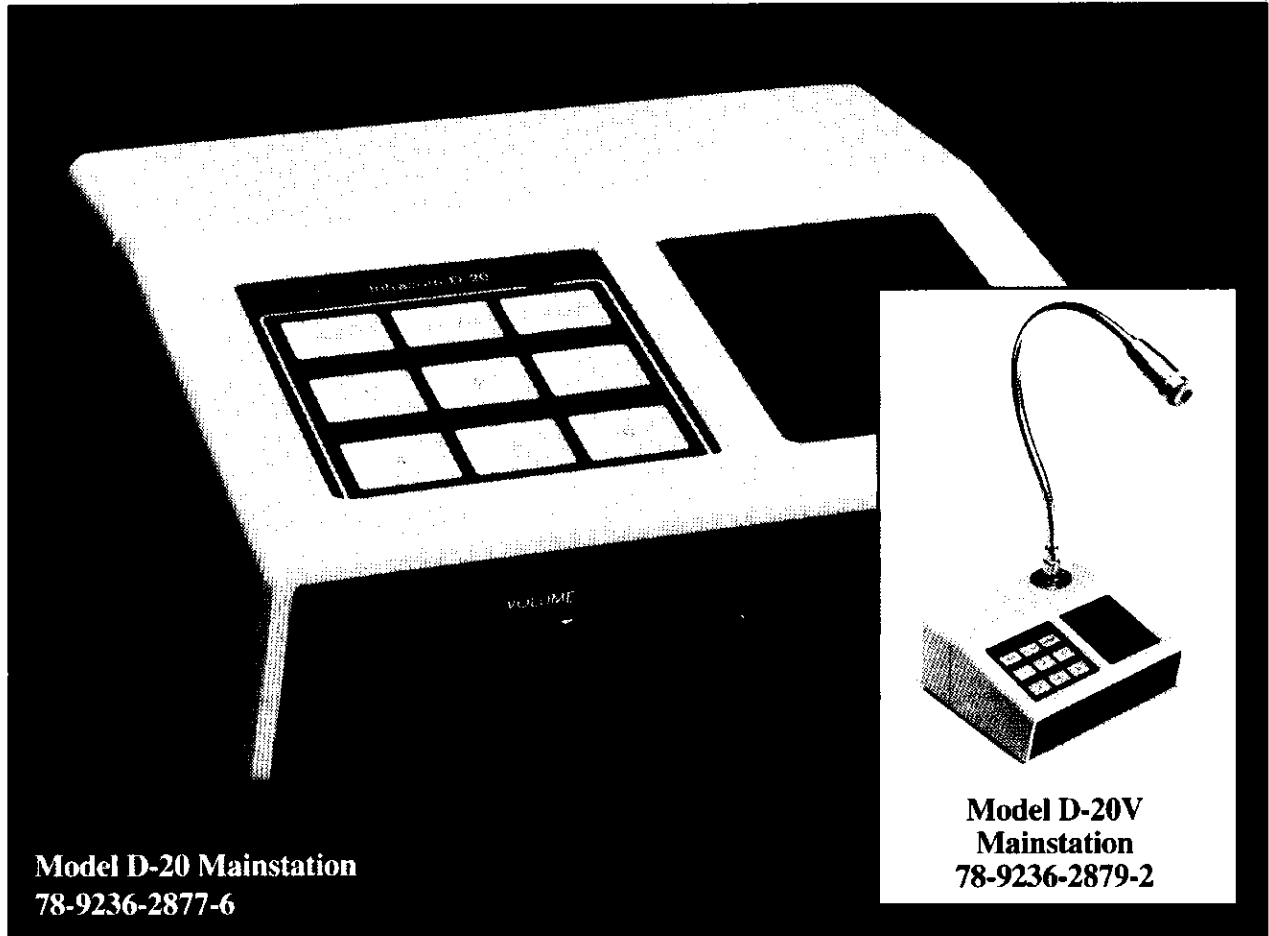


# 3M Intracom

## Operating Guide

### Model D-20, D-20V



**Model D-20 Mainstation**  
78-9236-2877-6

**Model D-20V  
Mainstation**  
78-9236-2879-2

### **Important**

Read this operating guide completely before operating the unit.

### **Introduction**

The 3M INTRACOM System delivers reliable operation in continuous-duty applications. The Model D-20 and D-20V provide maximum voice clarity under various noise conditions.

### **Installation**

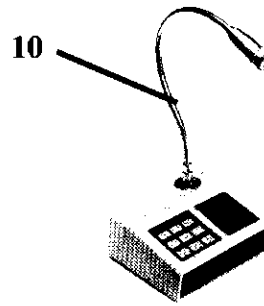
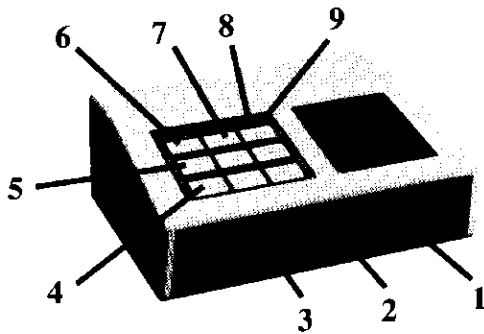
The System should be installed by an authorized 3M Sound Products dealer representative for proper connection.

### **Dealer Service**

A network of authorized 3M Sound Products dealers provides service backed by 3M's technical staff. For the name of your local dealer or technical assistance from 3M contact:

**Sound Products**  
3M Center, St. Paul, MN 55144-1000  
Phone: 800/328-0033

# Model D-20 and D-20V Mainstation



## Operating Controls

- 1. Power Switch:** Provides power to mainstation.
- 2. Power Indicator Light:** Indicates power is on and the system is ready to operate.
- 3. Volume Control:** Adjusts INCOMING audio level. NOTE: Volume level adjustments for alert tone and outside speakers are set by the installer.
- 4. Channel Selector Switches:** (1-6) control talk/listen communication for numbered channels. Operator touches switch to talk and releases switch to listen.
- 5. Indicator Lights:** Red indicates TALK mode, Green indicates LISTEN mode, Yellow indicates channel on "HOLD", Flashing Yellow indicates incoming call WAITING.
- 6. Hold Switch:** Places selected channel in "HOLD" mode.
- 7. All Call Switch:** Controls conversation with all channels simultaneously.
- 8. Standby Switch:** Silences incoming audio to eliminate undersired background noise pickup when unit is not in use. Touching any CHANNEL SELECTOR SWITCH releases STANDBY mode.
- 9. Standby Indicator Light:** Indicates unit is in STANDBY mode.
- 10. Voice-Operated Switching (VOX) Microphone**

## Operating Instructions

- Slide Power Switch to right. Green POWER INDICATOR lights. NOTE: If random pattern of indicator lights appears, simply touch each CHANNEL SELECTOR SWITCH, then the STANDBY SWITCH.
- D-20 TALK / LISTEN:** To talk, press any CHANNEL SELECTOR SWITCH. While talking, the red INDICATOR lamp lights, indicating TALK mode. Release switch to LISTEN. Green INDICATOR lamp lights to indicate LISTEN mode.  
**D-20V TALK / LISTEN (VOX Mode, Automatic):** Momentarily press the desired channel selector switch. The unit automatically switches to the TALK mode on the selected channel. Speak directly into the microphone from approximately a 2-inch (5cm) distance. While talking, the red INDICATOR lamp lights. The unit automatically switches to the LISTEN mode when the operator stops speaking. Green INDICATOR lamp lights to indicate LISTEN mode.
- Adjust the VOLUME CONTROL for listening level of incoming audio.
- Touch ALL CALL SWITCH to talk to all channels simultaneously. Red INDICATOR lamps for all channels will light, indicating ALL CALL mode.
- Release ALL CALL SWITCH to LISTEN to all channels simultaneously. Green INDICATOR lamps for all channels light, indicating ALL LISTEN mode.
- Touch any CHANNEL SELECTOR SWITCH to cancel ALL LISTEN mode.
- Touch HOLD SWITCH to place selected channel in HOLD mode while you answer another channel. Yellow INDICATOR lamp lights, indicating channel holding. Re-establish contact by touching CHANNEL SELECTOR SWITCH for channel on HOLD.
- Touch STANDBY SWITCH to silence all channels in LISTEN mode. STANDBY INDICATOR lamp lights, indicating unit in STANDBY mode.

**Optional Call Alert Feature:** Pressing a call switch at any location alerts the D-20 operator of the incoming call. The Yellow indicator light above the CHANNEL SELECTOR SWITCH flashes and an audible tone (single pulse or repeating) sounds. Touch the appropriate CHANNEL SELECTOR SWITCH to cancel.

**NOTE:** A footswitch or microphone switch may control the talk/listen function after channel selection has been made with the CHANNEL SELECTOR SWITCH. Model D-20 only.

**3M**

### Sound Products

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St. Paul, MN 55144-1000

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