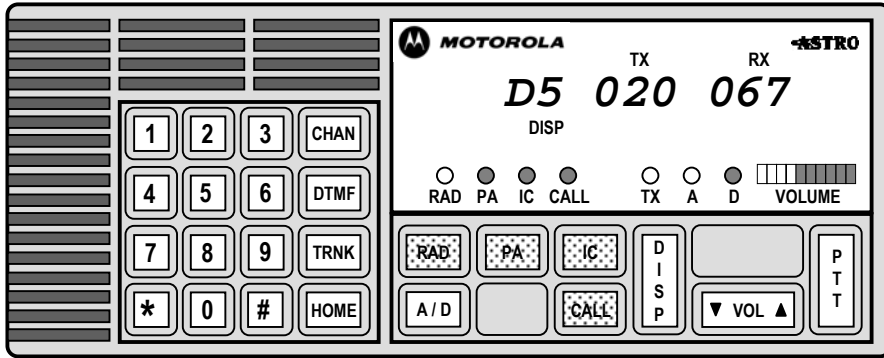





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



CONTROLS AND INDICATIONS


- 
VOLUME ROCKER SWITCH - Sets receiver volume.


- 
CHANNEL BUTTON - Initiates Channel Select mode for selecting a transmit and receive frequency pair using the numbers on the 12 digit keypad.


- 
DTMF BUTTON - Initiates Dispatch DTMF Select mode for selecting and transmitting a DTMF dispatch call tone using the 12 digit keypad.


- 
TRNK BUTTON - Initiates Talkgroup Select mode for selecting a programmed trunking talkgroup. Enabled only with ASTRO 3600 baud trunking option.


- 
HOME BUTTON - Initiates Home Select mode for selecting a programmed combination of transmit/receive frequencies and dispatch DTMF tone (if applicable) or a trunking talkgroup.


- 
A / D BUTTON - Toggles between analog and digital modes. Only available on non-trunking channels.


- 
PA / IC BUTTONS - These buttons and associated LEDs are only available with MBW330 option. Information on usage is found in the specific PA/Intercom equipment documentation.


- 
12 DIGIT KEYPAD - Normally selects DTMF tones directly. Configured to enter Channel, DTMF, Trunking Talkgroup and Home numbers in the four select modes.


- 
DISPATCH BUTTON - Transmits selected DTMF tone or tone sequence if enabled.

- 
PTT BUTTON - Press to transmit voice via the front panel microphone.

- 
TX / RX DISPLAY - Displays selected transmit and receive channels. On a trunking mode, the display will show "TRUNK xxx" where xxx is the trunking talkgroup. When a home mode is selected, the programmed home mode name will be displayed.

- 
DISPATCH TONE - Indicates the selected DTMF tone "Dx" where x is the dispatch DTMF character. If tone sequence is enabled the "D" is omitted and only the selected DTMF character sequence is displayed, "xxx".

- 
VOLUME DISPLAY - 10-segment bar graph indicates relative volume level within range of programmed minimum volume level to full volume.

- 
LED Indicators - "TX" will illuminate red whenever radio is transmitting. "A" or "D" will illuminate yellow to indicate analog or digital channel mode. On a trunking mode, neither will illuminate.



SELECT MODE ALERT TONES

Tone	Cause	What to do
Low-Pitched "Bonk" Tone	Invalid keypad entry	Select another keypad entry or press the same select button to exit.
High-Pitched "Chirp" Tone	Valid keypad entry	No action necessary.

To Adjust the Volume Level: Press and hold the **VOL** rocker switch to the right (to increase) or to the left until the desired volume level is achieved. If there is no voice audio present, a volume-set tone provides audible feedback.

To Transmit Voice Messages: Wait for a quiet period. Press and hold **PTT**. When the red TX indicator LED illuminates, speak in the direction of the front panel grill in a clear voice with your mouth 8 to 12" away. Release PTT when you are finished talking. Note: The radio has a CPS-programmable Time-Out Timer designed to limit transmission durations (typically to 60 seconds). If a continuous low pitched alert tone sounds, release the PTT button.

To Select and Transmit a DTMF Tone for Dispatch Calls: Press the DTMF button. Enter the desired number from the 12-digit keypad. For a valid entry, the selected tone is transmitted and the display updates to indicate the keypad selection. If the selected tone is accepted by the radio, a single "bonk" sounds. Enter a new number or press the DTMF button again to exit the select mode. The tone is confirmed at the speaker output. The red TX indicator illuminates during transmit. This feature may be disabled via RSS/CPS.

To Transmit a DTMF Call Tone (Alternate Method): Press the appropriate button on the 12-digit keypad to transmit the desired DTMF tone. The corresponding DTMF tone is broadcast for as long as the button is pressed, within programmed limits. The tone is also confirmed at the speaker output. The red TX indicator illuminates during transmit. This feature may be disabled via RSS/CPS.

To Retransmit a Selected Dispatch Call DTMF: Momentarily press the **DISP** button. The Dispatch Call DTMF tone indicated in the DISP display will be broadcast for as long as the button is pressed, within programming limits. The tone is confirmed at the speaker output. The red TX indicator illuminates during transmit.

To Select a TX/RX Channel Pair: Press the **CHAN** button to activate the Channel Select mode. TX and RX display "_ _ _ _" with flashing underscore (cursor) in data entry location. Enter the six channel digits with leading zeros using the 12-digit keypad. For a valid entry, a single "chirp" sounds and the display indicates the new channel selection and the Channel Select mode is exited. If an error is made (i.e. channels are not programmed) a single "bonk" sounds. If four digit entry is enabled in RSS, entering 4 digits and pausing 2 seconds will allow the radio to parse the numbers into a channel pair with leading zeros (1234 would be parsed to 012 034).

To Toggle Between Analog and Digital Operation: Press the **A / D** button to toggle between analog and digital channels. The A or D indicator will illuminate to indicate what mode the channel is in. If the channel is not programmed for the selected operating mode (analog or digital) or if it is a trunking talkgroup, a single "bonk" sounds and the the A or D indicator will not change.

To Select a Trunking Talkgroup: Press the **TRNK** button to activate the Trunking Talkgroup Select mode. The display changes to "TRUNK _ _" with a flashing underscore (cursor) in the data entry location. Enter a valid 3 digit talkgroup number and a single "chirp" sounds, the display indicates the new trunked talkgroup selection, neither of the A or D indicators will be illuminated and the Trunking Talkgroup Select mode is exited. If an error is made (i.e. talkgroup not programmed or not trunking not enabled) a single "bonk" sounds.

To Select A Programmed Home Channel: Press the **HOME** button to activate the Home Select mode. The display changes to "HOME _". Enter a valid home mode number and a single "chirp" sounds, the display indicates the home mode channel name and the Home Select mode is exited. If an error is made (home mode number invalid or no home modes programmed) a single "bonk" sounds. Up to 99 home modes may be programmed via RSS.