

# ASRC TYT Handheld Radio Basics



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- Put antenna or dummy load on **before** putting battery in.
- Weak signal? Long-press a **Monitor** key to turn off squelch; long-press to turn back on.
- **Unblank screen**: turn channel select knob one click then back.
- **Top and bottom radio channels**: can change both: press  $\blacktriangle$  or  $\blacktriangledown$  key to switch half-arrow (and A or D) from top channel to bottom. Can *hear* both top/bottom, but only *transmits* on **channel with half-arrow**.
- Press push-to-talk and **wait for the beep** before speaking.
- To change channels within current zone, rotate **channel select knob** on top of radio.
- **Zone** is collection of channels. Channel may appear in more than one zone, sometimes with different options, such as digital instead of analog (**D** instead of **A** on left) or with tone squelch turned off (**CSQ** = carrier squelch) instead of **TONE** (tone squelch). Zones  $\geq 4$  show number, such as **5-FRS GMRS MURS**. The **zone at bottom** is for **channel to which half-arrow points**.
- **Top and bottom channel** may be in different zones: zone will change as move half-arrow from top to bottom channel. Default zone at top is **SAR Prime Tone**.
- **Use menu to change zones**: Unlock =  $\text{[ ]}$  + \* $\text{[ ]}$ . Press Menu, then use  $\blacktriangle$  /  $\blacktriangledown$  to select Zone, then Zone List. Use  $\blacktriangle$  /  $\blacktriangledown$  to select zone, then Confirm ( $\text{[ ]}$ ) then On Confirm (green)( $\text{[ ]}$ ). If front panel locked then press \* $\text{[ ]}$  key to unlock then  $\text{[ ]}$  again. Use  $\blacktriangle$  and  $\blacktriangledown$  keys to select **Zone**. Press  $\text{[ ]}$ . Use  $\blacktriangle$  and  $\blacktriangledown$  keys to select **ZoneList**. Press  $\text{[ ]}$ . Use  $\blacktriangle$  and  $\blacktriangledown$  keys to select desired zone. Press  $\text{[ ]}$ . Use  $\blacktriangle$  and  $\blacktriangledown$  keys to select **On**. Press  $\text{[ ]}$ .
- When change channel *or zone*, radio announces *channel #*, *not zone #* or name.
- Follow **Radio Best Practices and Common Prowords, ASRC Radio Channel Zones** and **Phonetic Alphabet** one-pagers (<https://www.asrc.net/>).
- **If storing without antenna**, take battery out or put dummy load on connector.

For more, see comms chapter at <http://www.conovers.org/ftp/AppSAR-Drafts>

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## TYT MD-UV390 Radio

**Antenna**  
Attach (SMA screw connector) **before** inserting battery. Detach **after** taking out battery.

**Speaker**  
Listen here.

**Upper Monitor Button**  
Long-press (1 second) to turn off carrier squelch. Long-press again to turn carrier squelch on again.

**Push-to-Talk Button** (PTT)  
Press, wait for beep before speaking.

**Lower Monitor Button**  
Long-press (1 second) to turn off carrier squelch. Long-press again to turn carrier squelch on again.

**Half-arrow**  
Indicates **active channel**: will transmit. **A** is for analog and **D** for digital.

**Green Menu Button**   
Press twice then press \* key to unlock keypad. Keyboard locks 15 seconds after last keypress.

**Channel Select Knob**  
Turn to change **active channel**. The half-arrow on left shows the top channel is the active channel.

**On-Off/Volume Knob**  
Turn clockwise to turn on and increase volume. Turn counterclockwise to decrease volume and turn off.

**Microphone**  
Speak across rather than directly into it for best audio quality.

**Speaker/Mic Socket**  
Covered with water-resistant removable plate if not in use.

**Top Channel**  
Small number 1 on right indicates is first channel in active zone.

**Bottom Channel**  
If move half-arrow down, active *zone* display at bottom changes to **new active channel zone**: FRS GMRS MURS.

**Active Zone**  
Zone (channel collection) for **active channel** with **half-arrow**. Non-active channel receives but will not transmit.

**Red Menu Button**   
**Single Press (in menu)**: back.  
**Single Press (not in menu)**: silences *inactive* channel:   
Long-press enters numeric frequency entry mode; long-press again to return to channel.