710dial Quick Guide

710dial: control knob for the **YAESU FT-710** (**PC connection required**).
Also the ideal companion for **710 Console by M7XTD**.

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Transmit safety

- After **3 minutes** the knob stops transmitting by itself.
- If the connection to the bridge or to 710 Console is lost, transmit is off at once.
- **Grey** PTT border: transmitting is not possible right now.
- The reason for a switch-off appears briefly in **orange** above the buttons, e.g. “PTT off: 3 min”.

Frequency colour

- **Orange** (710dial theme), **white** / **black** (dark / light theme): the whole emission lies inside an amateur band of the chosen IARU region.
- **Grey** with a **light red** digit: outside. The occupied bandwidth of the mode is checked, e.g. 7.200.00 in USB is grey.
- **Dark grey** and “---”: no data from the radio yet.

Display and touch areas

1. **S-meter.** While transmitting, the arc shows output power in watts.
2. **S value**: S 0 … S 9, then red +10 … +60 dB. While transmitting: SWR.
3. **Mode** – one touch area together with 2: tap to cycle LSB → USB → CW → AM → FM. **Hold 1 s** = selector with all modes, digital ones too.
4. **MHz digits** including the dot: tap for a 1 MHz step. **Hold 1 s** = band selector.
5. **kHz digits:** tap for step 1k → 10k → 100k Hz. **Hold 1 s** = turn the picture 90° clockwise.
6. **Hz digits:** tap for step 10 → 100 → 500 Hz (500: snaps, small “5”). **Hold 1 s** = frequency font Standard → Mono → Segment. The **highlighted digit** is the one the knob changes. The step is saved.
7. **VFO / AF:** tap = knob sets the volume (“AF 40” in %), back to VFO after 10 s. **Hold 1 s** = IF width.
8. **NB** noise blanker on/off (coloured = on), **hold 1 s** = level 0 … 10.
9. **DNR** noise reduction on/off, **hold 1 s** = level 1 … 15.
10. **Preamp / attenuator**: tap to cycle IPO → AMP1 → AMP2 → ATT6 → ATT12 → ATT18. **Hold 1 s** = RF power 5 … 100 W, 0 = “NO TX”.
11. **PTT:** hold = transmit. Tap twice quickly = transmit latched (“LATCHED”), tap again = off. The set power is shown to its right.
12. **Knob** (both directions): frequency in the selected step, volume in AF mode, the value of an open slider.
13. **MK = macros:** tap = selector (up to 8), tap a macro = run it. Button above: own macros ↔ macros of 710 Console. Own macros: right-click the 710dial symbol next to the clock → “Edit macros …”.
14. **Swipe down** from the arc at the top: brightness.
15. **Swipe from left to right**: settings.
16. **LK** = lock (hold 1 s, LK red; the same to unlock): only PTT, VFO/AF, NB, DNR, IPO and AF volume still work.



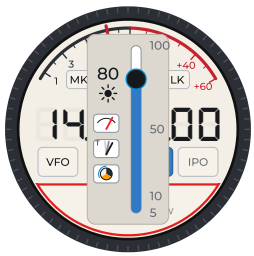
Band selector

Hold the MHz digits **1 s**, then tap the band. **Blue border** = current band. The radio jumps to the frequency last used on that band.



While transmitting

PTT field and **TX** orange (dark / light theme: red), arc in watts. SWR:
up to 1.5 up to 2.0 up to 3.0 above, blinking.
Locked: mode, band, macros, font, rotation.



Brightness

5 … 100 % with the slider or the knob. Three switches on the left: **needle colour** red ↔ white, **needle** calm (T) ↔ direct, **theme** dark → light → 710dial (picture: light).



Settings

IARU region (band edges), **language**, **Info** (versions, connection; tap the logo or the address to open the website on the PC), **Reset**: hold “Yes” until 9 … 0 has run down.

Getting started

- **A PC is required:** the knob plugs into the PC via USB-C, **not into the FT-710** (wrong way round: the bridge says so).
- Start **710 Console** (M7XTD), keep **CAT Share** enabled. Without 710 Console the bridge goes direct to the radio.
- The **PC bridge** (**710dial Bridge**, symbol “710” next to the clock) starts with Windows and finds the knob itself. Set up: **710dial-Setup** (“Installation” guide).
- Symbol: **grey** = no knob, **yellow** = no way to the FT-710, **green** = connected, **red** = transmitting.