

CatTouch v2.16 Firmware Release Notes

10th May 2023

- **SWR**
 - Reworked SWR loop to prevent corruption data in *swr.csv* file (thanks KF5WGB)
 - Optimized SWR history loop
 - Added file line count to show CatTouch is working when reading large history files

CatTouch v2.15 Firmware Release Notes

9th May 2023

- **SWR**
 - *swr.csv* file updated to include transceiver name. File format now:
Band,F(kHz),SWR(0~255),YYYY-MM-DD,HHMM,RIG
20m,1400000,98,2023-05-08,01:38,FT991A
 - If SWR history cannot be found for current band OR no SD card inserted & current SWR not requested, now shows “No SWR history found!” rather than not showing anything
 - Fixed a bug in restoring modulation modes greater than 9 (i.e. A ~ F)
 - Added missing ‘4m’ to band array causing 2m & 70cm name issues on chart & in file (thanks KF5WGB)
 - Added check to ensure date has loaded in MTR screen before allowing SWR test. This ensures all internal data is loaded for accurate SWR display and history file save (thanks KF5WGB)
 - Added IARU Region 1, 2 & 3 band data so SWR tests correct frequency based on what region is set in CFG screen. Bands are:

	<i>160m</i>	<i>80m</i>	<i>60m</i>	<i>40m</i>	<i>30m</i>	<i>20m</i>	<i>17m</i>	<i>15m</i>	<i>12m</i>	<i>11m</i>	<i>10m</i>	<i>6m</i>	<i>4m</i>	<i>2m</i>	<i>70cm</i>
Region 1 Start:	1.810	3.500	5.351	7.000	10.100	14.000	18.068	21.000	24.890	25.615	28.000	50.000	70.000	144.000	430.000
Stop:	2.000	3.880	5.366	7.200	10.150	14.350	18.168	21.450	24.990	27.999	29.700	54.000	70.500	146.000	440.000
Region 2 Start:	1.800	3.500	5.351	7.000	10.100	14.000	18.068	21.000	24.890	25.615	28.000	50.000	70.000	144.000	420.000
Stop:	2.000	4.000	5.366	7.300	10.150	14.350	18.168	21.450	24.990	27.999	29.700	54.000	70.500	148.000	450.000
Region 3 Start:	1.810	3.500	5.250	7.000	10.100	14.000	18.068	21.000	24.890	25.615	28.000	50.000	70.000	144.000	430.000
Stop:	2.000	3.900	5.450	7.300	10.150	14.350	18.168	21.450	24.990	27.999	29.700	54.000	70.500	148.000	440.000

- This is region & not country data - some will not be correct (i.e some regions/countries don't have 60m, 11m, 4m, Etc)
 - It is the data CatTouch uses to check & work out SWR steps - there is no MARS / OPEN option
 - Not all compatible transceivers support all bands
 - If your transceiver does not support a band or frequency, it will report a high SWR when CatTouch tries to transmit
 - It is up to the operator to make sure you only transmit within your license limitations
- **OTHER**
 - More work on Calibration screen to now tighten it back up. With v2.14, reports indicated calibration passed but bottom buttons would not work, or only worked if touched at the very top edges. This is because button touch coordinates were outside what CatTouch was informed was a valid touch area. So put your glasses back on, we're back to stricter touch calibration.

CatTouch screen uses a resistive touch panel and requires an appropriate stylus.
This was purposely selected to prevent accidental changes to any connected transceiver.

- **CFG** – added IARU region for SWR testing – default is 2
- **MTR** – disabled ATT, BW, IPO & TNR for FT991/A when above 60MHz
- **JPG** – no changes
- **CLK** – no changes
- **SPK** – no changes
- **MIC** – no changes
- **WiFi** – no changes

Thank you for supporting CatTouch. If you have any comments please feel free to send me an email.

73 de Chris ZL1CVD
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