sBitx v5.3 commands

From an external keyboard, Alt-Gr and Q or from the sBitx built-in keyboard, the CMD key as \
Status as of 2026-01-11 Can be used with sBitx v5.3 64-bit version

\freq [frequency in Hz or kHz**]** You can use "freq" or "f" e.g. '**\f 7050**' matches '**\freq 7050000**'

\bfo [Offset in Hz] An offset of +/- 3000 is usually enough to move birdies out of the passband

\mode [USB\ LSB\ AM\ CW\ CWR\ FT8 \FT4\ DIGI\ 2TONE**]** You can use '**m**' instead of '**mode**'

\t Puts the radio into transmit. You can also use Ctrl-T

\r Puts the radio into receive. In FT8 mode, you can use Ctrl-R to interrupt transmission.

\topen [server**]:[**port**]** Opens a telnet session with an RBN or a DX cluster telnet server.
It works with ip address as well as domain names Ex: **\topen dxc.g3lrs.org.uk:7300**

\tclose Closes the existing telnet session

\w [telnet command string**]** Writes the remaining text (skipping the space after '\w') to opened telnet server

Menu on entering **Menu 1** / **Menu 2** / **OFF** menu

- **SET** **CALLSIGN** (my callsign), **MYGRID** (my locator, 6 digit), **xOTA** PEAK/PARK/IS (NONE, IOTA, SOTA, POTA), **PIN** (password for login)
- **WEB** Calling the WEB interface with a browser
- **TXMON** setting TX monitor level
- **TXEQ** ON settings equalizer level with MOUSE Scroll **use small step** (-16…0… +16)
- **RXEQ** ON settings equalizer level with MOUSE Scroll **use small step** (-16…0… +16)
- **NOTCH** ON Freq.: 60- 3000Hz, Bw.: 60- 1000Hz (CW, USB, LSB removal of interference signal)
- **COMP** Compression level 0- 10 (use it in Phone modes, **Don't use it in Digital modes**)
- **DSP** Digital Signal Processor ON-OFF (it highlights the signal and suppresses the noise)
- **ANR** Audio Noise Reducer ON-OFF (suppresses the noise)
- **APF** ON Audio Peak Filter (e.g., `apf 6 100`) Gain: 0...20 dB With: 10...500 Hz
- **BFO** Default 0… removal of disturbing signals and birds by moving the BFO (+/- 3000Hz)
- **VFOLK** Lock VFO knob
- **TNDUR** (2-30s) **TNPWR** (1-100) Tuning power adjustment with driver level for a given duration

Menu 2

- **WFMIN** Setting the minimum waterfall level (0- 200) default 80
- **WFMAX** Setting the maximum waterfall level (0- 200) default 120
- **WFSPD** The flow rate of the waterfall (20- 150) default 100
- **SCOPEGAIN** Scope window sensitivity (1- 25) default 10
- **SCOPEAVG** Scope display average value (1- 15) default 10
- **SCOPESIZE** Scope window height (50- 150) as desired
- **INTENSITY** Visibility on screen (1-10)
- **AUTOSCOPE** Adjusts the vertical offset of the scope and the base value for the waterfall automatically

Additional switches and settings

MODE USB/ LSB/ AM/ CW/ CWR/ FT8/ FT4/ DIGI/ 2TONE optional mode
BAND 10M, 12M, 15M, 17M, 20M, 30M, 40M, 60M, 80M optional amateur bands
REC ON/OFF Audio recording to a file, see in Audio folder
TUNE ON/OFF Turn tuning on/off as set in Menu1 (TNDUR and TNPWR)
RIT ON/OFF The reception frequency is offset from the main (-25000 to +25000 Hz)
STEP 10H/ 100H/ 500H/ 1K/ 10K Frequency stepping (K=kHz, H=Hz)
AUDIO 0- 100 Receiver Audio level
SPLIT ON/OFF ON= if main VFO-A, then RX_VFO-A TX_VFO-B
VFO window on the left side of the window, call up the numerical buttons,

frequency can be set with the mouse on the right side.
SPAN 2.5K/ 6K/ 8K/ 10K/ 25K receiver bandwidth selection (K=kHz)
AGC OFF/ FAST/ MED/ SLOW Automatic Gain Control select
BW 50- 5000 (Hz) Audio bandwidth choice. Variable bandwidth per mode
DRIVE 1- 100 Transmitter drive level setting
IF 1- 100 Receiver sensitivity
MIC 0- 50 Microphone drive level
WPM 1- 50 (wpm) Morse rate word/minute
CWDELAY [50-1000] msec. Radio transmission in CW previously timing for rx. e.g.: "**\cwdelay 300**"
CWINPUT [Straight/ bug / Ultimat / Iambic / IambicB **]** different morse key selector
ZEROBEAT on/off Morse decoding help information window
RX_PITCH 100- 3000 Hz, The green marker jumps to the frequency of the received station.
TX_PITCH 300- 3000 Hz, FTx red marker during voice transmission
FTX_CQ ODD, EVEN, XOTA (Field number appears), ALT_EVEN CQ (every 4th slot)
FTX_AUTO OFF (use macro), CQRESP (Auto answers CQ calls), ANS (answers own CQ call)
REPEAT 1- 10 Number of uninterrupted transmissions
SIDETONE 0- 100 Setting your own voice when transmitting (step 0-5-10 …)
SPEC NORM/FULL The width of the spectrum is NORMAL or FULL screen
KBD sBitx keyboard on/off - new version by KB2ML
ESC One click Halt TX, Two click clear LOG window data (plan)
Ctrl- Q Exit from the application

Logger Controls

CALL [text] Callsign
SENT [text] Sent RST, RS, level in dB
RECV [text] Received RST, RS, level in dB
EXCH [text] Gridsquare at FT8
NR [text] My_gridsquare at FT8
TEXT You can write (type CMD as \) - **Use the TAB key to step through the LOG windows**.
SAVE Saving LOG window data manual
WIPE Delete all data from logbook window
LOG Performing actions in the Logbook
QRZ You can look up the call sign data in the qrz.com database

Optional Hidden Functions

\bigfont <nr> Use only CW mode, font size from 10 to 40 (use as best for you) default: 10
\BS [+|-|0- 9] Allows adjusting the band power scale. More info in commands.txt
\BSTACKPOSTOPT graphical bandstack position indicator beneath the **selected band** (**-=--** cw,**digi**,ssb)
\CAL command for calibrating the scale per band (external Power/SWR meter required)
\CWREVERSE reverses the sense of dot and dashes on a paddle
\DECODE on/off default is CW decode=ON. Turning decode OFF runs the decoder in a quiet mode
\EPTTOPT on/off Turn on ePTT, external PTT option in the menu (hardware modification required)
\MACRO LIST <name of macro to load> shows the list of macros in the web folder
\MAXVSWR High SWR trigger and auto power reduction configurable, default 3:1
\RS on/off turns reverse scrolling of the mouse wheel
\SNAP command to take screen shot of sBitx software
\SMETEROPT on/off S-meter on/off from the command line, its sensitivity depends on IF (use above 50)
\TA ON (OFF) still enables acceleration (slow - moderate - fast)
\TXPANAFALL on/off WFCALL image is visible on the screen, AUTOSCOPE cannot be turned on
\WFCALLOPT on/off option to show/hide the WFCALL button
The web has scroll tuning but it does have drag tuning if you drag the waterfall / spectrum.