

KX2 MENU Functions (MD = Mode, OFS = Offset, NOR = Normal, PA = Power Amplifier, THR = Thresholds, df = defaults, CRS= Course)

2 TONE - Generates 2 tones for SSB test (df **OFF**). Tab XMIT after turning on.

AF LIM - Sets max audio output when AGC is off (df **NOR 17-23**)

AFX MD - Used with headphones or dual speakers (df **ON**) to create stereo delay effect

AGC MD - Turns AGC on/off. (df **ON**). When off display shows AGC- and NR disabled.

AGC SPD - Setting stored by mode. (df **FAST for CW and SLOW others**). Displays AGC F or S.

AGC*THR - Accesses 6 AGC parameters. Tap 1-6 to access. Defaults normally good enough

ALT MD - Reverse mode parameters. (df **NOR**). Reverses CW, SSB & Data Upper/Lower Side band

AMP HRS - Total amp hours used cumulatively since last battery reset (Hold CLR to reset)

ANT.X SW - Remotely selects ANT 1 or 2 on KXPA100 amplifier. PA MODE must be set to ON.

ATU.MD - Select ATU's BYPASS or AUTO mode. Mode L1-L7, C1-C7 & Ct used to test relays & L-network. Hold CLR while in this menu to clear stored LC data for present band. ATU.X MD when KXPA100/KXAT100 used.

AUTO INF - Auto Info: ANT CTRL sends band data to ACC jack (df **NOR**) for SteppIR antennas.

AUX1 & 2 - Used with KXI02 to turn AUX outputs on or off.

BAT MIN - Low-battery threshold. Set 10.0V Li-ion & 10.7 with SLA. Screen, PreAmp and Spkr drains.

COR LVL - Carrier-Operated-Relay threshold. (df **0.1W**). Protects KX2 receiver against nearby TXs.

CW IAMB - Iambic mode (A or B) (df A). B used for squeeze-keying ops [Diff element insert timings]

CW KEY 1 - Specs whether left keyer paddle (tip) is DOT or DASH. Or HAND manual. (df **LFT = DOT**)

CW KEY 2 - Like Key 1 but for use with front, connected paddle.

CWT - CW Tune changes upper half of S-meter to become tuning aid. (df **ON**) Activates Auto spot by tapping KYR-SPR/MIC. When not on, tapping generates tone to use to match freq of CW signals.

CW WGHT - CW Weight (df **1.25**) adjust element/space timing ratio for internal keyers. Tap 3 to FST receive recovery time or normal (df **NOR**). Tap 4 to select VOX off on power up (Auto OFF) (df **VOX NOR**). Tap 5 to select auto VFO offset on any "SSB/CW mode change" (VFO OFS). (df **VFO NOR**). Note: Pitch matching for auto offset will be more accurate if USB paired with CW reverse. & LSB with CW normal. Use to facilitate switching from SSB to CW during QSB.

DUAL RX - Set to Auto to enable Dual Watch. SUB icon will turn on (will flash if not in rqd range). Use with stereo headphone or speakers. (df **OFF**)

FW REV - Firmware Revisions: Rotate VFO A to see uC (microcontroller), DSP and PA (KXPA100 uC) if applicable revisions. Tap 1 to see RF board revision e.g. RFPB=A for rev. A.

KCI02 - (df **Not Inst**) Used if clock module installed.

LCDTEST - Rotate VFO A to turn on all LCD segments (df **OFF**)

LED BRGT - LED Brightness of discrete LEDs panel bulbs when Backlight is off. (df **4**)

MIC BIAS - Try both settings with mike to see which works best. (df **ON**)

MIC BTN - Set to PTT UP/DN using Elecraft MH3. If mic has no up/dn then use PTT otherwise df **OFF**

MSG RPT - Msg rpt interval in seconds (0-255) (df **6**). To rpt msg "hold" Msg button 1-3.

PA Mode - Sets operating mode for KCPA100 amp & its internal ATU if applicable. (df **OFF**)

PITCH - Sets the CW sidetone pitch in kHz. Also set pitch when centered in RX passband.

[*REF CAL - Used to calibrate KX2 synthesizer. Normally done at factory. (df **25.000.000**)]

RF GAIN - (df **NOR -0 dB**). Can turnoff AGC & adjust RF Gain manually. Each -5 dB reduction = one Bar on S-meter. Auto resets to NOR -0 dB or power up. RF Gain assignable to PFn for quick access.

To reduce gain seen by A/D converter, turn off Preamp, and if necessary, turn Attenuation on.

RS232 - Sets the RS232/USB comm rate in bps. During firmware downloads via KX2 Utility it temporarily auto switches to 38200 bps. (df **4800 b**)

RTC ADJ - Adjust Real-Time-Clock accuracy if KXI02 installed. (df **n-A**)

RX EQ - -16 to +16 B range. Tap 0-7 to adjust bands .05, 0.1, 0.2, 0.4, 0.8, 1.6, 2.4, & 3.2 kHz. Hold CLR to reset all band to =0 dB. CW & SSB modes separate.

[*RXSBNUL - Used to null the receiver's opposite sideband image. Normally set at factory]

SER NUM - Your Kx2's serial number.

[*SW TEST - to turn on switch test, rotate VFO A to SCN ADC. Normally set at factory]

SW TONE - (df **ON**) turns on feedback tones for buttons. CODE nn turns on CW character feedback.

****TECH MD** - Set to On to reveal Tech Mode menu entries normally set at factory and/or marked with *[] (df **OFF**).

TIME - Real time clock view/set if KXI02 clock module is installed.

TUN PWR - If set to NOR, TUNE power level follows POWER knob; otherwise, follows POWER knob settings. (df **NOR**).

[*TX BIAS - Transmit bias constants. Normally set at factory. See page 38]

TX CMP - Transmit speech compression (SSB mode). (df **20**). Set to 0 when doing 2-tone IMD tests. Auto set to 0 in audio data modes

[*TXCRNUL - Normally set at factory to null the transmit carrier on each band. See pg 39]

[*TX DLY - Varies delay in millisecond between key-down and RF output. (df **NOR 005**). Can go up to 20 msec.]

TX EQ - Transmit audio equalizers for SSB mode only. Functions like RX EQ above. Can be adjusted during transmit.

[*TX GAIN - Shows whether transmit ALC (auto level control) is enabled and the transmit gain constant for present band (nn). The gain constant is updated whenever the TUNE function is used at "exactly" 6.0 W and SWR is 2:1 or lower.]

TX GATE - Cuts off transmitted audio below a certain level to block inadvertent transmission of local extraneous noise (df **OFF 0**)

[*TXSBNUL - Set at factory to null transmit opposite sideband. See pg 39]

VFO CRS - Per-mode tuning rate selection for VFO A & B when coarse tuning is selected using RATE. Also applies to offset tuning of VFO A (via the OFS/B knob) when both RIT and XIT are turned off.

VOX DLY - If VOX MD is ON for current mode (varies per mode) sets VOX delay in seconds (recovery time from TX to RX. (df **0.00 CW; 0.50 SSB or data**)

VOX GN - Adjusts sensitivity of VOX input. Set to trigger at normal speech level. 30 is good starting point. Speaker shouldn't trigger VOX

VOX INH - Adjusts immunity of VOX to false triggering by speaker.

VOX MD - If VOX is OFF, use XMIT to transmit or PTT. In CW mode, VOX MD ON allows hit the key transmit. VOC can't be used with internal microphone. VOX always ON in PSK-D and FSK-D modes. PTT not available. VOX starts transmit when computer connected to mic jack outputs an audio signal.

[*WATTMTR - Wattmeter calibration parameter. Use with external wattmeter to calibrate. Internal Wattmeter accuracy +/- 1 dB per band. On transverter bands, menu entry name changes to WMTR XV]

XIT - Xmit Incremental Tuning. Set to ON to offset transmit freq without affecting receive freq. XIT icon will light. Use OFS/B to set the offset (+/- 9.999 kHz). Can be assigned to PFn. (df **OFF**) Useful for PSK-D mode and as alternative to SPLIT to leave VFO B free for other use

[*XVnON - Tap 1-7 to select the applicable transverter band display (1-7). Set parameter to YES to enable or NO to disable. (df **NO**)]

[*XVnRF - Lower edge for transverter band<n>(1-7); 0-2499MHz. (Tap 1-7 to select applicable transverter band. (df **144**)]

[*XVnIF - KX2 band used as the IF for transverter band <n>(1-7). (Tap 1-7 to select transverter band) IF selections include 7,14,21, and 28 MHz (df **28**)]

[***XVnPWR** - Sets upper limit on power level in watts for XVTR band <n>(1-7). Tap 1-7 to select band. Note: The KX2 doesn't have a low-level transverter port, so transverters must have their own T/R switching and be able to handle the specified power level. (df **H 0.1**)]

[***XVnOFS** - Offset (-9.99 to +9.99 kHz) for transverter band n (1-7). T(Tap 1-7 to select band) Compensates for oscillator/multiplier chain errors in external transverters. (df **0.00**)]