

# YAESU VX-2R Factory Settings

Values for transceiver S/N: 5G45\*\*\*\* 4909959088373 DST:EXP TYP:B3  
EAN/JAN 4909959088373 UPC 0788026088379

		430	144	50
rEF	PLL reference frequency	40	40	40
HIS	Squelch Hysteresis Adjustment	0	0	0
tHL	Squelch Preset Threshold	156	164	158
t19	Squelch Preset Tight	92	86	86
S1	S-Meter S-1 Adjustment	44	48	54
S9	S meter full scale adjustment (S9)	82	84	84
S1	wide FM S-meter S-1 adjustment	44	48	58
S9	wide FM S-Meter full scale adjustment (S9)	68	72	78
HHP	TX High Power @6.0 V Adjustment	166	193	144
LHP	TX High Power @4.4 V Adjustment	146	166	111
LP	TX Low Power Adjustment	85	57	52
dEU	TX Deviation Adjustment	59	83	126
670	CTCSS TX level adjustment	33	41	25
123	CTCSS TX level adjustment	15	7	37
254	CTCSS TX level adjustment	14	12	5
dCS	DCS TX level adjustment	22	69	44

Green values are dummies

## FACTORY DEFAULTS

Bands edges	Home freq	RX mode & step	
1. 0.504 – 1.791	0.540	AM	9
2. 1.800 – 29.995	1.800	AM	5
3. 30.000 – 87.995	30.000	FM	5
4. 88.000 – 107.000	88.000	WFM	100
5. 108.000 – 136.995	108.000	AM	25
6. 137.000 – 173.9875	144.000	FM	12.5
7. 174.000 – 221.950	174.000	WFM	50
8. 222.000 – 419.9875	230.000	222.000 – 299.975	FM 12.5
		300.000 – 319.975	AM 25
		420.000 – 419.975	FM 25
9. 420.000 – 469.9875	430.000	420.000 – 429.9875	FM 12.5
		430.000 – 439.975	FM 25
		440.000 – 469.9875	FM 12.5
A. 470.000 – 802.9875	470.000	470.000 – 799.950	WFM 50
		800.000 – 802.9875	FM 12.5
b. 803.000 – 998.9875	860.000	FM	12.5

### TX range

140.000 – 174.000 (MARS/CAP mod present)

420.000 – 470.000 (MARS/CAP mod present)

TX on marine preset channels is possible (HI power only)

### Automatic repeater shift:

145.600 – 145.800 /-0.6MHz/ (Euro)

438.200 – 439.425 /-1.6MHz/ (Euro 1)

### SET Menu Defaults

1 APO	OFF	25 LOCK	KEY
2 AR BEP	IN RNG	26 M/T-CL	T-CALL
3 AR INT	25SEC	27 MW MD	NEXT
4 ARS	ON	28 NAME	FREQ
5 ATT	OFF	29 NM SET	-
6 BCLO	OFF	30 OPNMSG	DC
7 BEEP	ON	31 RESUME	5SEC
8 BELL	OFF	32 RF SQL	OFF
9 BSYLED	ON	33 RPT	SIMP
10 CH CHT	+– 5M	34 RX MD	AUTO
11 CK SFT	OFF	35 RX SAVE	200MS
12 CW ID	OFF	36 S SCH	SINGLE
13 DC VLT	4.1V*1	37 SCNLMP	ON
14 DCS CD	023	38 SHIFT	0.60M*2
15 DCS RV	DISABL	39 SKIP	OFF
16 DIMMER	LVL 12	40 SPLIT	OFF
17 DTMF	MANUAL	41 SQL	LVL 1
18 DTMF S	CH1	42 SQLTYP	OFF
19 EDG BP	OFF	43 STEP	AUTO
20 EMG S	BP+STR	44 TN FRQ	100.0HZ
21 HLF	DEV OFF	45 TOT	3MIN
22 HM/RV	REV	46 TXSAVE	OFF
23 INT MD	WIRES	47 VFO MD	BAND
24 LAMP	KEY	48 WX ALT	OFF

\*1 with full charged battery

\*2 at 430MHz band this value is /-1.60M/

### Software/hardware configuration

Byte 7 is: F2 (jumpers soldered 2, 4; jumper 5 removed)

Byte 8 is: 02

Byte 9 is: 02

Byte 11 is: F2

Byte 12 is: 02

Byte 13 is: 02

Byte 14 is: 01

### Current consumption

@3.7V

RX Squelch off max volume – 220 mA

RX Squelch off min volume – 90 mA

RX Squelch on – 75 mA

RX Squelch save cycle – 16 mA

TX HI POWER 144MHz band – >1A

TX LOW POWER 144MHz band – 290 mA

TX HI POWER 430MHz band – >1A

TX LOW POWER 430MHz band – 340 mA

Power off – 50 µA

LAMP – +35 mA

@6.0V

RX Squelch off max volume – 240 mA

RX Squelch off min volume – 90 mA

RX Squelch on – 75 mA

RX Squelch save cycle – 17 mA

TX HI POWER 144MHz band – >1A

TX LOW POWER 144 MHz band – 420 mA

TX HI POWER 430MHz band – >1A

TX LOW POWER 430MHz band – 430 mA

Charging (max) – 400 mA

Battery/Ext. DC threshold – 5.0 V

Battery low threshold – 3.5 V

Battery low blink threshold – 3.2 V

Power off threshold – 2.9 V

Transceiver was sold on 15.09.2005

seller: “000 Alan-Svyaz Volga” Russia, Samara

Current owner is Ilya,RN4HCI