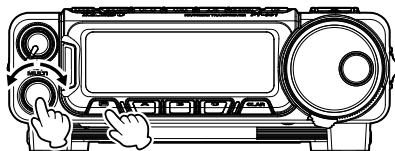


Setup (Menu) Mode

The FT-891 Setup (Menu) mode, already described in parts of many previous chapters, is easy to activate and setup. The Menus may be used to configure many of transceiver parameters, some of which have not been detailed previously. Use the following procedure to activate the Setup (Menu) mode:

1. Press and hold in the **[F]** key for one second to activate the Menu mode.
2. Rotate the **MULTI** knob to select the Menu Item to be adjusted.
3. Press the **MULTI** knob momentarily to enable adjustment of the selected Menu item, and then rotate the **MULTI** knob to perform the actual adjustment.
4. After completing the selection and adjustment, press the **[F]** key to exit the Setup menu and resume normal operation.



	Menu / Item	Available Values	Default
AGC			
	01-01	AGC FAST DELAY	20 - 4000 msec
	01-02	AGC MID DELAY	20 - 4000 msec
	01-03	AGC SLOW DELAY	20 - 4000 msec
DISPLAY			
	02-01	MY CALL	---
	02-02	MY CALL INDI	0 - 5
	02-03	LCD CONTRAST	1 - 15
	02-04	DIMMER BACKLIT	1 - 4
	02-05	DIMMER LCD	1 - 15
	02-06	DIMMER TX/BUSY	1 - 4
	02-07	PEAK HOLD	OFF/0.5/1.0/2.0 sec
	02-08	ZIN LED	ENABLE/DISABLE
DVS			
	03-01	DVS RX OUT LEVEL	0 - 100
	03-02	DVS TX OUT LEVEL	0 - 100
KEYER			
	04-01	KEYER TYPE	OFF/BUG/ELEKEY-A/ ELEKEY-B/ELEKEY-Y/ACS
	04-02	KEYER DOT/DASH	NOR/REV
	04-03	CW WEIGHT	2.5 - 4.5
	04-04	BEACON INTERVAL	OFF/1 - 690 sec
	04-05	NUMBER STYLE	1290/AUNO/AUNT/A2NO/ A2NT/12NO/12NT
	04-06	CONTEST NUMBER	0 - 9999
	04-07	CW MEMORY 1	TEXT/MESSAGE
	04-08	CW MEMORY 2	TEXT/MESSAGE
	04-09	CW MEMORY 3	TEXT/MESSAGE
	04-10	CW MEMORY 4	TEXT/MESSAGE
	04-11	CW MEMORY 5	TEXT/MESSAGE

Setup (Menu) Mode

Menu / Item		Available Values	Default
GENERAL			
05-01	NB WIDTH	1/3/10msec	1(3msec)
05-02	NB REJECTION	10/30/50dB	1(30dB)
05-03	NB LEVEL	0 - 10	5
05-04	BEEP LEVEL	0 - 100	50
05-05	RF/SQL VR	RF/SQL	RF
05-06	CAT RATE	4800/9600/19200/38400 bps	4800
05-07	CAT TOT	10/100/1000/3000 msec	10
05-08	CAT RTS	ENABLE/DISABLE	ENABLE
05-09	MEM GROUP	ENABLE/DISABLE	DISABLE
05-10	QUICK SPLIT FRE	-20 - 0 - 20 kHz	+5
05-11	TX TOT	OFF/1 - 30 min	OFF
05-12	MIC SCAN	ENABLE/DISABLE	ENABLE
05-13	MIC SCAN RESUME	CAR/5Sec	TIME
05-14	REF FREQ ADJ	-25 - 0 - 25	0
05-15	CLAR MODE SELECT	RX/TX/TRX	RX
05-16	APO	OFF/1h/2h/4h/6h/8h/10h/12h	OFF
05-17	FAN CONTROL	NORMAL/CONTEST	NORMAL
MODE AM			
06-01	AM LCUT FREQ	OFF /100 - 1000	OFF
06-02	AM LCUT SLOPE	-6 / -18	6
06-03	AM HCURT FREQ	700 - 4000 / OFF	OFF
06-04	AM HCURT SLOPE	-6 / -18	6
06-05	AM MIC SELECT	MIC/REAR	MIC
06-06	AM OUT LEVEL	0 - 100	50
06-07	AM PTT SELECT	DAKY/RTS/DTR	DAKY
06-08	AM DATA GAIN	0 - 100	50
MODE CW			
07-01	CW LCUT FREQ	OFF /100 - 1000	250
07-02	CW LCUT SLOPE	-6 / -18	18
07-03	CW HCURT FREQ	700 - 4000 / OFF	1200
07-04	CW HCURT SLOPE	-6 / -18	18
07-05	CW OUT LEVEL	0 - 100	50
07-06	CW AUTO MODE	OFF/50M/On	OFF
07-07	CW BFO	USB/LSB/AUTO	USB
07-08	CW BK-IN TYPE	SEMI/FULL	SEMI
07-09	CW BK-IN DELAY	30 - 3000msec	200msec
07-10	CW WAVE SHAPE	1/2/4/6 msec	4
07-11	CW FREQ DISPLAY	DIRECT F/P OFFSET	PITCH OFFSET
07-12	PC KEYING	OFF/DAKY/RTS/DTR	OFF
07-13	QSK DELAY TIME	15/20/25/30 msec	15
MODE DAT			
08-01	DATA MODE	PSK/OTHERS	PSK
08-02	PSK TONE	1000/1500/2000Hz	1000
08-03	OTHER DISP	-3000 - 0 - 3000 Hz	0
08-04	OTHER SHIFT	-3000 - 0 - 3000 Hz	0
08-05	DATA LCUT FREQ	OFF /100 - 1000	300
08-06	DATA LCUT SLOPE	-6 / -18	18

Setup (Menu) Mode

	Menu / Item	Available Values	Default	
	08-07	DATA HCUT FREQ	700 - 4000 / OFF	3000
	08-08	DATA HCUT SLOPE	-6 / -18	18
	08-09	DATA IN SELECT	MIC/REAR	REAR
	08-10	DATA PTT SELECT	DAKY/RTS/DTR	DAKY
	08-11	DATA OUT LEVEL	0 - 100	50
MODE FM				
	09-01	FM MIC SEL	MIC/REAR	MIC
	09-02	FM OUT LEVEL	0 - 100	50
	09-03	PKT PTT SELECT	DAKY/RTS/DTR	DAKY
	09-04	FM PKT TX GAIN	0 - 100	50
	09-05	RPT SHIFT 28MHz	0 - 1.0MHz	100
	09-06	RPT SHIFT 50MHz	0 - 4.0MHz	1000
	09-07	DCS POLARITY	Tn-Rn/Tn-Riv/Tiv-Rn/Tiv-Riv	Tn-Rn
MODE RTY				
	10-01	RTTY LCUT FREQ	OFF /100 - 1000	300
	10-02	RTTY LCUT SLOPE	-6 / -18	18
	10-03	RTTY HCUT FREQ	700 - 4000 / OFF	3000
	10-04	RTTY HCUT SLOPE	-6 / -18	18
	10-05	RTTY SHIFT PORT	SHIFT/DTR/RTS	SHIFT
	10-06	RTTY POLARITY-R	NOR/REV	NOR
	10-07	RTTY POLARITY-T	NOR/REV	NOR
	10-08	RTTY OUT LEVEL	0 - 100	50
	10-09	RTTY SHIFT FREQ	170/200/425/850 Hz	170
	10-10	RTTY MARK FREQ	1275/2125 Hz	2125
MODE SSB				
	11-01	SSB LCUT FREQ	OFF /100 - 1000	100
	11-02	SSB LCUT SLOPE	-6 / -18	6
	11-03	SSB HCUT FREQ	700 - 4000 / OFF	3000
	11-04	SSB HCUT SLOPE	-6 / -18	6
	11-05	SSB MIC SELECT	MIC/REAR	MIC
	11-06	SSB OUT LEVEL	0 - 100	50
	11-07	SSB PTT SELECT	DAKY/RTS/DTR	DAKY
	11-08	SSB-TX-BPF	1-30/1-29/2-28/3-27/4-26	300-2700
RX DSP				
	12-01	APF-WIDTH	APF-N/APF-M/APF-W	MEDIUM
	12-02	CONTOUR LEVEL	-40 - 0 - 20	-15
	12-03	CONTOUR WIDTH	1 - 11	10
	12-04	IF-NOTCH-WIDTH	NARROW/WIDE	WIDE
SCOPE				
	13-01	SCP START CYCLE	OFF/3/5/10sec	OFF
	13-02	ASC DIAL SPEED	1/2/3/4/5/DISABLE	4
	13-03	SCP SPAN FREQ.	37.5k/75k/150k/375k/750kHz	150kHz
TX AUDIO				
	14-01	EQ1 FREQ	OFF/100 - 700	OFF
	14-02	EQ1 LEVEL	-20 - 0 - 10	+5
	14-03	EQ1 BWTH	1 - 10	10
	14-04	EQ2 FREQ	OFF/700 - 1500	OFF
	14-05	EQ2 LEVEL	-20 - 0 - 10	+5

Setup (Menu) Mode

Menu / Item		Available Values	Default
14-06	EQ2 BWTH	1 - 10	10
14-07	EQ3 FREQ	OFF/1500 - 2000/3200	OFF
14-08	EQ3 LEVEL	-20 - 0 - 10	+5
14-09	EQ3 BWTH	1 - 10	10
14-10	P-EQ1 FREQ	OFF/100 - 700	200
14-11	P-EQ1 LEVEL	-20 - 0 - 10	0
14-12	P-EQ1 BWTH	1 - 10	2
14-13	P-EQ2 FREQ	OFF/700 - 1500	800
14-14	P-EQ2 LEVEL	-20 - 0 - 10	0
14-15	P-EQ2 BWTH	1 - 10	1
14-16	P-EQ3 FREQ	OFF/1500 - 2000/3200	2100
14-17	P-EQ3 LEVEL	-20 - 0 - 10	0
14-18	P-EQ3 BWTH	1 - 10	1
TX GNRL			
15-01	HF TX MAX POWER	5 - 100W	100
15-02	50M TX MAX POWER	5 - 100W	100
15-03	TUNER SELECT	OFF/EXT1/EXT2/ATAS/L.AMP	OFF
15-04	VOX SELECT	MIC/DVOX	MIC
15-05	VOX GAIN	0 - 100	50
15-06	VOX DELAY	30 - 300 - 3000 msec	500msec
15-07	ANTI VOX GAIN	0 - 100	50
15-08	DATA VOX GAIN	0 - 100	50
15-09	DATA VOX DELAY	30 - 300 - 3000 msec	100msec
15-10	ANTI DVOX GAIN	0 - 100	0
15-11	EMERGENCY FREQ	ENABLE/DISALE	DISABLE