

Set-up Menu List

Menu / Item		Explanation of function	Available settings (Default values shown in BOLD)
DISPLAY			
1	DISPLAY SELECT	Screen display settings when [DISP] is pressed briefly	ALTITUDE: ON / OFF TIMER/CLOCK: ON / OFF GPS INFO: ON / OFF
2	TARGET LOCATION	Switch between the compass screen and the latitude and longitude display screen when using the GPS and GM functions	COMPASS / NUMERIC
3	BACKGROUND COLOR	Set the display background color	ORANGE / GREEN / BLUE / PURPLE / GRAY
4	BAND SCOPE	Scope Display width setting	NARROW / WIDE
5	LCD BRIGHTNESS	Touch panel brightness	MIN / 2 / 3 / 4 / 5 / 6 / MAX
6	LCD CONTRAST	Touch panel contrast	-3 / -2 / -1 / 0 / +1 / +2 / +3
7	TIME/VDD	Time / Voltage Display setting	TIME / VDD
TX/RX			
	MODE	Setting the signal format in the analog mode	AUTO (FM) / FM / NARROW FM / AM
DIGITAL			
1	AMS TX MODE	Set the AMS transmission mode	TX M / TX FM FIXED / TX DN FIXED / TX VW FIXED / AUTO
2	SQL TYPE	Digital mode Squelch type setting	OFF / CODE / BREAK
3	SQL CODE	Squelch code setting in the digital mode	CODE: 001 to 126
4	DIGITAL POPUP TIME	Information screen pop-up time	OFF / 2 sec / 4 sec / 6 sec / 8 sec / 10 sec / 20 sec / 30 sec / 60 sec / CONTINUE
5	LOCATION SERVICE	Own (MY) position display setting in the digital mode	ON / OFF Refer to the separate Operating Manual GM Edition for details on the functions.
6	STANDBY BEEP	Standby Beep setting	ON / OFF
7	DSP VERSION	DSP version display	Ver. 2.** (cannot be edited; differs depending on the time of release)
AUDIO			
1	SUB BAND MUTE	Sub-band mute setting	OFF / ON
2	MIC GAIN	Microphone sensitivity setting	MIN / LOW / NORMAL / HIGH / MAX
MEMORY			
1	ALPHA TAG SIZE	Display size setting of memory channel tag	SMALL / LARGE
2	MEM SCAN TYPE	Scanning method setting during memory scan	ALL MEM / SELECT MEM
SIGNALING			
1	TONE SQL FREQ	Tone frequency (CTCSS)	67.0Hz - 254.1 Hz 88.5 Hz
2	DCS CODE	DCS code setting	023 - 754
3	AUTO DIALER	DTMF code automatic transmission setting	OFF / ON
4	DTMF MEMORY	DTMF code registration	1 - 9 ways 16 characters each

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SIGNALING			
5	PAGER CODE	Pager individual code setting	RX CODE : 01 - 50 05 RX CODE 2: 01 - 50 47 TX CODE 1: 01 - 50 05 TX CODE 2: 01 - 50 47
6	PRG REV TONE	User programmed reverse tone frequency	300 Hz - 3000 Hz 1500 Hz
7	BELL RINGER	Recall sound length setting	OFF / 1 time / 3 times / 5 times / 8 times / CONTINUOUS
8	SQL EXPANSION	Separate squelch type setting for transmit and receive	OFF / ON
9	WX ALERT (USA Version Only)	Weather alert operation setting	OFF / ON
SCAN			
1	DUAL WATCH STOP	Setting the signal reception method	AUTO / HOLD
2	SCAN DIRECTION	Scanning direction setting	UP / DOWN
3	SCAN RESUME	Set the resume operation after scan stop	BUSY / HOLD / 1 sec / 3 sec / 5 sec
GM			
1	RANGE RINGER	Bell sound setting when checking for stations within sphere of communications	OFF / ON
2	RADIO ID	Specific ID display by transceiver	- (cannot be edited)
* Refer to the separate Operating Manual GM Edition for details on the functions.			
WIRES X			
1	RPT/WIRES FREQ	Setting of operating frequency in repeater / WIRES-X	MANUAL / PRESET
	PRESET FREQUENCY	Registration of the preset frequency	144.000 - 146.000 144.620
2	SEARCH SETUP	Setting the WIRES ROOM selection method	HISTORY / ACTIVITY
3	EDIT CATEGORY TAG	Editing the category tag	C1 - C5
4	REMOVE ROOM/NODE	Deletion of the registered categories	C1 - C5
* Refer to the separate Operating Manual WIRES-X Edition for details on the functions.			
CONFIG			
1	DATE & TIME ADJUST	Setting the date and time	-
2	DATE & TIME FORMAT	Setting the date and time display formats	DATE: mmm/dd/yyyy / yyyy/mmm/dd / dd/mmm/yyyy / yyyy/dd/mmm TIME: 24 hour / 12 hour
3	TIME ZONE	Time zone setting	UTC±14: 00 (0.5 h interval) UTC +0: 00
4	AUTO RPT SHIFT	Auto repeater shift setting	OFF / ON
5	RPT SHIFT	Repeater shift direction setting	OFF / - / + (Differs depending on frequency)

Customize Menu Settings and User Preferences

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CONFIG		
6	RPT SHIFT FREQ	Repeater TX offset setting 0.00 - 99.95 MHz (Differs depending on frequency)
7	FM AM STEP	Channel step setting AUTO / 5.00 KHz / 6.25 KHz / 10.00 KHz / 12.50 KHz / 15.00 KHz / 20.00 KHz / 25.00 KHz / 50.00 KHz / 100.00 KHz
8	BEEP	Beep setting OFF / LOW / HIGH
9	CLOCK TYPE	Clock shift setting A / B
10	MIC PROGRAM KEY	Microphone P buttons setting OFF (disable the P button) / BAND SCOPE / SCAN / HOME / DCS CODE / TONE FREQ / RPT SHIFT / REVERSE / TX POWER / SQL OFF / T-CALL / VOICE / D_X / WX / S-LIST / MSG / REPLY / M-EDIT P1: SQL OFF (T-CALL: European version) P2: HOME P3: D_X P4: TX POWER
11	RX COVERAGE	Reception range expansion setting NORMAL / WIDE
12	UNIT	Display unit setting METRIC / INCH (Depends on the transceiver version)
13	APO	Automatic power OFF operating time OFF / 0.5 hour - 12.0 hour
14	TOT	TX time out setting OFF / 1 min - 5 min - 30 min
15	Bluetooth PAIRING	PIN code setting and pairing start 0000 - 9999 6111
16	GPS DATUM	GPS function positioning selection WGS-84 / TOKYO MEAN
17	GPS DEVICE	GPS receiver selection INTERNAL / EXTERNAL
18	GPS LOG	GPS access time setting OFF / 1 sec - 60 sec
DATA		
1	COM PORT SETTING	COM port setting SPEED: 4800 bps / 9600 bps / 19200 bps / 38400 bps / 57600 bps OUTPUT: OFF (camera) / GPS OUT / PACKET / WAYPOINT WP FORMAT: NMEA 6 / NMEA 7 / NMEA 8 / NMEA 9 WP FILTER: ALL / MOBILE / FREQUENCY / OBJECT/ITEM / DIGIPEATER / VoIP / WEATHER / YAESU / CALL RINGER / RNG RINGER
2	DATA BAND SELECT	APRS/DATA band selection setting APRS: MAIN BAND / SUB BAND / A-BAND FIX / B-BAND FIX / A=TX/B=RX / A=RX/B=TX DATA: MAIN BAND / SUB BAND / A-BAND FIX / B-BAND FIX / A=TX/B=RX / A=RX/B=TX
3	DATA SPEED	APRS/DATA communication baud rate setting APRS: 1200 bps / 9600 bps DATA: 1200 bps / 9600 bps

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DATA			
	4 DATA SQUELCH	Squelch detection setting	APRS: RX BAND / TX/RX BAND DATA: RX BAND / TX/RX BAND TX: ON / OFF
APRS			
	1 APRS COMPASS	APRS compass display orientation	NORTH UP / HEADING UP
	2 APRS DESTINATION	Model code display Non-editable	APY400
	3 APRS FILTER	Filter function setting	Mic-E: ON / OFF POSITION: ON / OFF WEATHER: ON / OFF OBJECT: ON / OFF ITEM: ON / OFF STATUS: ON / OFF OTHER: ON / OFF RANGE LIMIT: 1 mi - 3000 mi / OFF ALT.NET: ON / OFF
	4 APRS MESSAGE TEXT	Standard message text input	1 to 8 ch
	5 APRS MODEM	APRS function ON/OFF setting	OFF / ON
	6 APRS MUTE	Band B AF mute setting for APRS	OFF / ON
	7 APRS POP-UP	Display time setting for pop-up display of beacons and messages	BEACON: OFF / 3 sec / 5 sec / 10 sec / HOLD MESSAGE: OFF / 3 sec / 5 sec / 10 sec / HOLD MYPACKET: OFF / ON
	8 APRS POP-UP COLOR	Screen color setting for pop-up display of beacons	CHECK OFF / GREEN / BLUE / ORANGE / PURPLE / SKY-BLUE / YELLOW / AMBER / WHITE 1 BEACON: CHECK OFF 2 MOBILE: CHECK OFF 3 OBJECT/ITEM: CHECK OFF 4 CAL RINGER: CHECK OFF 5 RNG RINGER: CHECK OFF 6 MESSAGE: CHECK OFF 7 GRP/BULT: CHECK OFF 8 MY PACKET: CHECK OFF
	9 APRS RINGER	Bell sound setting at beacon arrival	TX BEACON: ON / OFF TX MESSAGE: ON / OFF RX BEACON: ON / OFF RX MESSAGE: ON / OFF MY PACKET: ON / OFF CALL RINGER: ON / OFF RNG RINGER: 1km - 100km / OFF MSG VOICE: ON / OFF
	10 APRS RINGER (CALL)	Call sign setting for CALL RINGER	1 - 8 stations

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APRS			
11	APRS TX DELAY	Data transmit delay time setting	100 ms / 150 ms / 200 ms / 250 ms / 300 ms / 400 ms / 500 ms / 750 ms / 1000 ms
12	APRS UNITS	APRS display unit setting	1 POSITION: dd°mm.mm' / dd°mm'ss" 2 DISTANCE: km / mile 3 SPEED: km/h / mph / knot 4 ALTITUDE: m / ft 5 BARO: hPa / mb / mmHg / inHg 6 TEMP: °C / °F 7 RAIN: mm / inch 8 WIND: m/s / mph / knot
13	BEACON INFO SELECT	Transmit beacon information setting	AMBIGUITY: OFF / 1 - 4 digit SPEED/COURSE: ON / OFF ALTITUDE: ON / OFF
14	BEACON STATUS TEXT	Status text input setting	SELECT: TEXT 1 - 5 / OFF TX RATE: 1/1 - 1/8 / 1/2 (FREQ) - 1/8 (FREQ) TEXT 1 - 5: NONE / FREQUENCY / FREQ & SQL & SHIFT
15	BEACON TX	Beacon automatic transmit / manual transmission switch	AUTO: OFF / ON INTERVAL: 30 sec - 60 min 5 min PROPORTIONAL: ON / OFF DECAY: ON / OFF LOW SPEED: 1 - 99 3 RATE LIMIT: 5 sec - 180 sec 30 sec
16	DIGI PATH SELECT	Digital repeater route setting	OFF / WIDE 1-1 / WIDE 1-1,WIDE 2-1 / PATH 1 - PATH 4 / FULL 1 / FULL 2
17	DIGI PATH 1	Digital repeater route address setting	ADDRESS 1: - ADDRESS 2: -
18	DIGI PATH 2		ADDRESS 1: - ADDRESS 2: -
19	DIGI PATH 3		ADDRESS 1: - ADDRESS 2: -
20	DIGI PATH 4		ADDRESS 1: - ADDRESS 2: -
21	DIGI PATH FULL 1		ADDRESS 1: - ADDRESS 2: - ADDRESS 3: - ADDRESS 4: - ADDRESS 5: - ADDRESS 6: - ADDRESS 7: - ADDRESS 8: -
22	DIGI PATH FULL 2	ADDRESS 1: - ADDRESS 2: - ADDRESS 3: - ADDRESS 4: - ADDRESS 5: - ADDRESS 6: - ADDRESS 7: - ADDRESS 8: -	

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Menu / Item		Explanation of function	Available settings (Default values shown in BOLD)
APRS			
23	CALLSIGN (APRS)	My call sign setting	-
24	MESSAGE GROUP	Group filter setting for received messages	GROUP 1: ALL***** GROUP 2: CQ***** GROUP 3: QST***** GROUP 4: YAESU***** GROUP 5: - GROUP 6: - BULLETIN 1: BLN?***** BULLETIN 2: BLN? BULLETIN 3: BLN?
25	MESSAGE REPLY	Automatic response setting of received messages	REPLY: OFF / ON CALLSIGN: *****-** REPLY TEXT: -
26	MY POSITION SET	My position setting	GPS / MANUAL
27	MY POSITION	My position manual setting	LAT: N 0°00. 00' (' 00") LON: E 0°00. 00' (' 00")
28	MY SYMBOL	My symbol setting	ICON 1: [/ >] Car ICON 2: [/ R] REC.Vehicle ICON 3: [/ -] House QTH (VHF) USER: [/ Y Y] Yaesu Radios
29	POSITION COMMENT	Position comment setting	Off Duty / En Route / In Service / Returning / Committed / Special / Priority / Custom 0 - 6 / Emergency!
30	Smart Beaconing	Smart beaconing setting	1 STATUS: OFF / TYPE 1 / TYPE 2 / TYPE 3 2 LOW SPEED: 2 - 30 5 3 HIGH SPEED: 3 - 90 70 4 SLOW RATE: 1 - 100 min 30 min 5 FAST RATE: 10 - 180 sec 120 sec 6 TURN ANGLE: 5 - 90° 28° 7 TURN SLOPE: 1 - 255 26 8 TURN TIME: 5 - 180 sec 30 sec
31	SORT FILTER	Sort function / filter function setting	SORT: TIME / CALLSIGN / DISTANCE FILTER : ALL / MOBILE / FREQUENCY / OBJECT/ITEM / DIGIPEATER / VoIP / WEATHER / YAESU / OTHER PACKET / CALL RINGER / RANGE RINGER / 1200 bps / 9600 bps
32	VOICE ALERT	Voice alert function setting	VOICE ALERT: NORMAL / TONE SQL / DCS / RX-TSQL / RX-DCS TONE SQL: 67.0 Hz - 254.1 Hz 100.0 Hz DCS: 023 - 754 023
* Refer to the separate Operation Manual APRS Edition for details on the functions.			
SD CARD			
1	BACKUP	Reading and writing information of the radio to the micro-SD card	Write to SD / Read from SD
2	GROUP ID	Reading and writing GROUP ID information to the micro-SD card	Write to SD / Read from SD

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SD CARD			
3	FORMAT	Initializing the micro-SD card	-
OPTION			
1	USB CAMERA	Picture size / picture quality setting for the microphone with camera	PICTURE SIZE: 160 * 120 / 320 * 240 PICTURE QUALITY: LOW / NORMAL / HIGH
2	Bluetooth	Bluetooth headset setting	AUDIO: AUTO / FIX BATTERY: NORMAL / SAVE VOX: ON / OFF GAIN: HIGH / LOW
3	VOICE MEMORY	Voice memory function setting	PLAY/REC: FREE 5 min / LAST 30 sec ANNOUNCE: AUTO / OFF / MANUAL LANGUAGE: JAPANESE / ENGLISH VOLUME: HIGH / MID / LOW RX MUTE: ON / OFF
RESET/CLONE			
1	FACTORY RESET	Return all settings to default settings when shipped	-
2	PRESET	Preset registration	-
3	RECALL PRESET	Recall preset	-
4	MEM CH RESET	Erasing registered memory channels	-
5	MEM CH SORT	Sorting registered memory channels	-
6	APRS RESET	Return APRS settings to default settings when shipped	-
7	CLONE	Copy all saved data	This radio → other / Other → This radio
CALLSIGN			
	CALLSIGN	My call sign setting	-

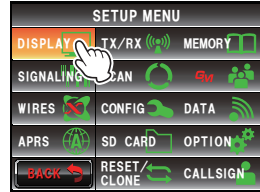
Using the Set-up Menu

Screen display settings

Select the screen to be displayed

Set the type of screen to be displayed when pressing  briefly.

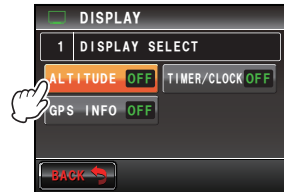
- 1 Press  for one second or longer
 The set-up menu will be displayed.
- 2 Touch **[DISPLAY]**




- 3 Touch **[1 DISPLAY SELECT]**
 The display setting screen will be displayed.



- 4 Touch the item to be displayed
 Select from “ALTITUDE”, “TIMER/CLOCK” and “GPS INFO”, the screen that you would like to display.
 Each time the item is touched, the setting will switch between “ON” and “OFF”.




- 5 Set the other screens as well
 Repeat Step 4 and set the other screens as well.
- 6 Press  for one second or longer
 The screen to be displayed will be set and the display will return to the previous screen.

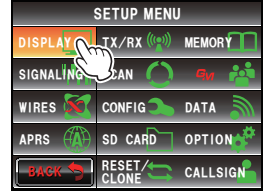
Tip Factory default value: All screens are set to “OFF”

Using the Set-up Menu

Switching between COMPASS and POSITION INFORMATION screens

When using the GPS and GM functions, the screen will switch between the “Compass Screen” and the “Position Information (Latitude and Longitude) Display Screen”.

- 1 Press  for one second or longer
 The set-up menu will be displayed.
- 2 Touch **[DISPLAY]**




- 3 Touch **[2 TARGET LOCATION]** to select the display content

Each time this symbol is touched, the setting will switch between “COMPASS” and “NUMERIC”.

COMPASS: The compass screen will be displayed.

NUMERIC: The position information (latitude and longitude) display screen will be displayed.

Tip Factory default value: COMPASS

- 4 Press  for one second or longer
 The display contents will be set and the display will return to the previous screen.



Setting the display background color


The display background color can be selected from the following 5 colors.

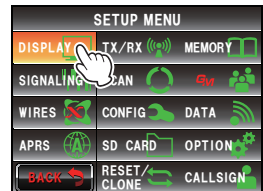
- Orange • Green • Blue • Purple • Grey

Refer to “Changing the background color of the frequency display area” (P.60) for details.

Setting the band scope display width

The frequency bandwidth and memory channel number to be displayed when band scope is running can be set.

- 1 Press  for one second or longer
 The set-up menu will be displayed.
- 2 Touch **[DISPLAY]**



Using the Set-up Menu

- 3** Touch **[4 BAND SCOPE]** to select the frequency width
 The frequency bandwidth will switch between “WIDE” and “NARROW” each time this symbol is touched.
 WIDE: The frequency bandwidth will be displayed using a wide search width.
 NARROW: The frequency bandwidth will be displayed using a narrow search width.



	VFO mode	Memory mode
WIDE	±25 steps	±25 channels
NARROW	±12 steps	±5 channels

Tip Factory default value: WIDE

- 4** Press **[DISP BAND]** for one second or longer
 The bandwidth of the frequency will be set and the display will return to the previous screen.

Setting the display brightness

The brightness of the touch panel can be set.
 Refer to “Adjusting the display brightness” (P.58) for details.

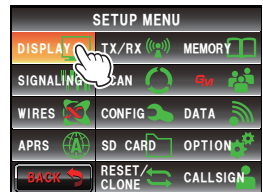
Setting the display contrast

The contrast of the touch panel can be adjusted.
 Refer to “Adjusting the display contrast” (P.58) for details.

Switching the time display and the voltage display

The display at the top right of the display can be changed between “Time Display” and “Voltage Display”.

- Press **[DISP BAND]** for one second or longer
 The set-up menu will be displayed.
- Touch **[DISPLAY]**



Using the Set-up Menu

- 3 Touch **[7 TIME/VDD]** to select the display content
 The display content changes between “TIME” and “VDD” each time the symbol is touched.



TIME: The time will be displayed.
 VDD: The voltage will be displayed.

Tip Factory default value: TIME

- 4 Press **[DISP/GRAPH]** for one second or longer
 The display content will be set and the display will return to the previous screen.

Transmit and receive settings

Setting the signal format

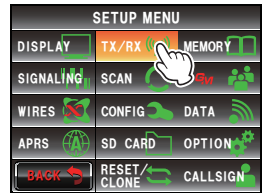
The radio signal format can be selected from “FM”, “AM” and “NARROW FM” in the analog mode.

Refer to “Changing the radio signal format” (P.46) for details.

Setting the AMS transmission mode

When operating in the AMS function, the transmit mode may be selected:

- 1 Press **[DISP/GRAPH]** for one second or longer
 The set-up menu will be displayed.
- 2 Touch **[TX/RX]**



- 3 Touch **[DIGITAL]**

