REALIGNMENT

8. Self Programming Mode (TK-370G)

Write mode for frequency data and signalling etc. Mainly used by the person maintaining the user equipment.

8.1 Self programming mode setting

Remove D17 from the TX-RX unit (Figure 3) (K models only). Hold down the [LAMP]+[●] switches and turn the power switch on.

When the self programming mode is entered, [SELF] appears on the display. The mode changes automatically to Model Select Mode and "PORTABLE" is displayed in about one second.

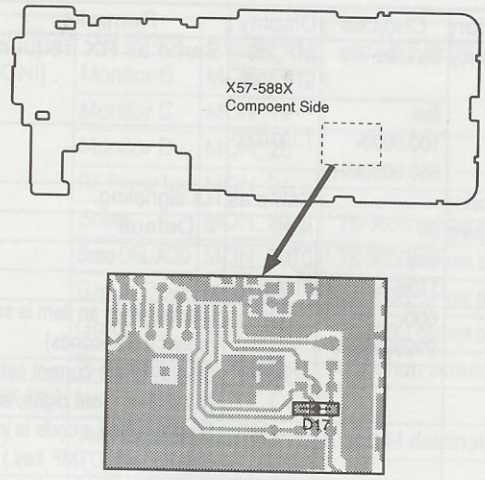
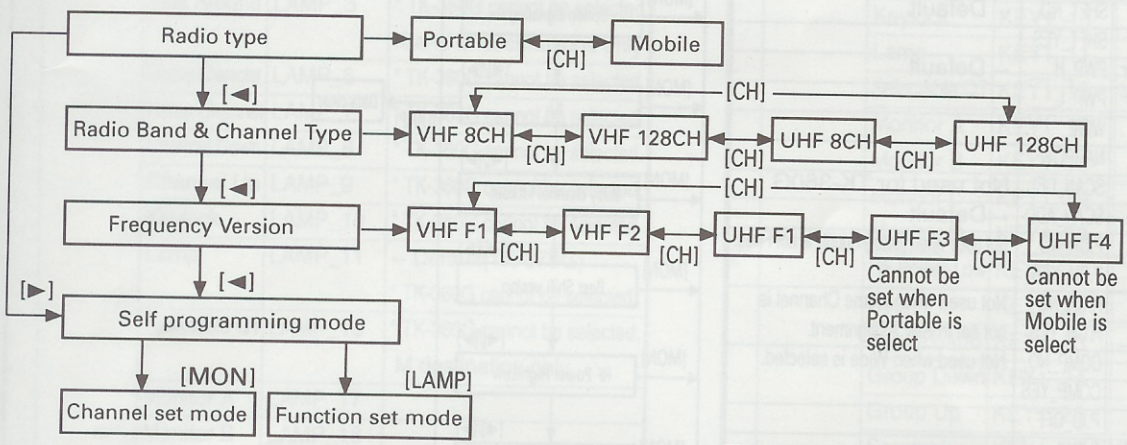


Fig. 3

Note :

This mode (self programming mode) cannot be set when it has been disabled with the FPU.

- **Flow Chart**



Note :

IF the radio type of TK-370G was temporally set to "Mobile" for the cloning purposes, "UNPROG" is displayed (at User Mode) when the TK-370G is turned on.

In this case, please set the radio type back to "Portable" at Model Select Mode menu.

8-2. Channel Setting Mode

This is a mode for making channel settings with the panel keys without using the FPU.

Pressing [MON] when "SELF" is displayed, sets Channel Setting Mode.

Select an item set using [►] then change the selection with the encoder.

The data displayed using [◄] is stored in the memory and then proceeds to the next item. Pressing [►] proceeds to the next item without storing it in the memory.

Press [MON] to set the display to "SELF" and return to reset (default) status.

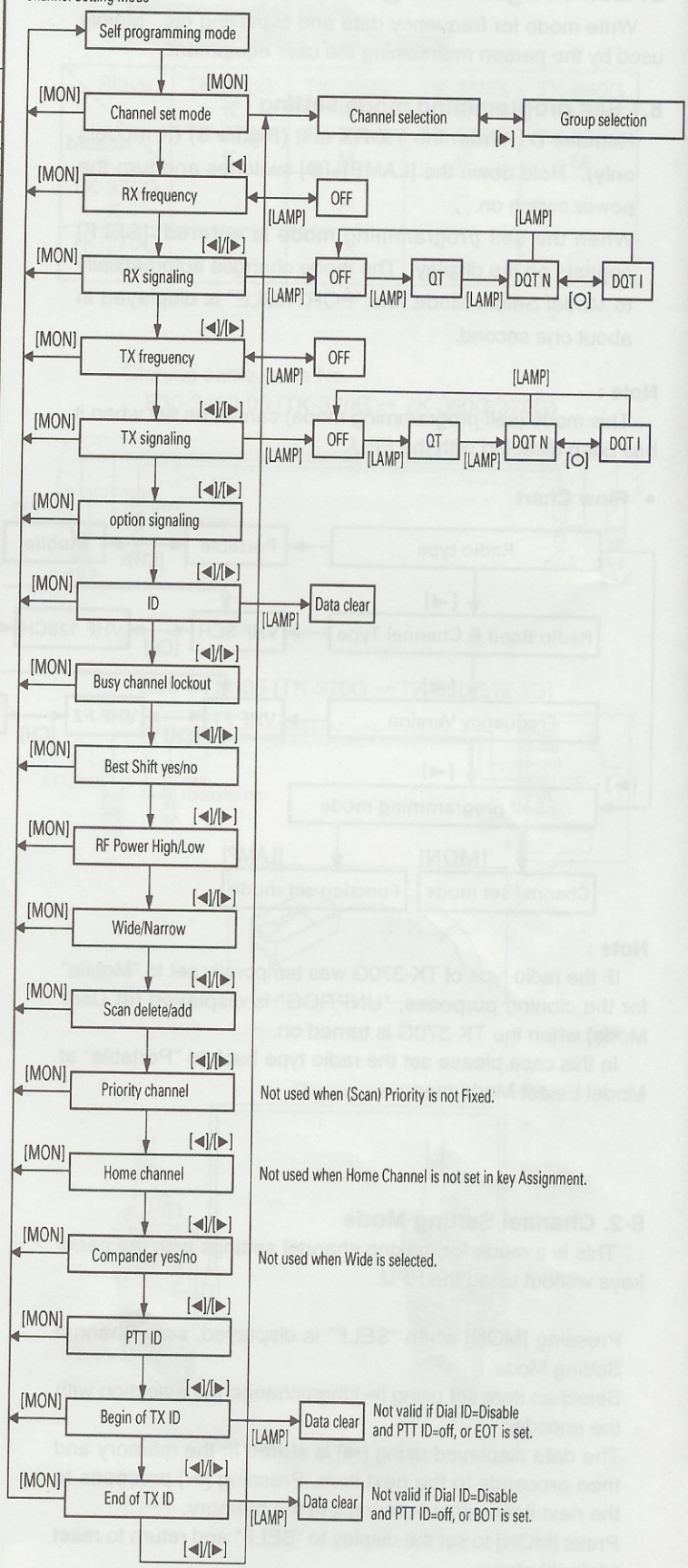
No.	Function	Choices	Display	Remarks
	Select Channel	1-128	_1-_1._	[►] : Group selection/ Channel selection change
			_1-128._	
	Select Group	1-128	_1-_1_	
			128-_1_	
1	RX frequency	Step 2.5kHz-1MHz	STP_250 STP_1000	Display when an item is selected or when a step is changed (about 0.5 seconds) [●] Step change UHF : 5.0,6.25kHz,1MHz,Step
		Blank	——	[LAMP] : Freq On/Blank switching
		100.0000-550.0000MHz	R.100.0000	The rightmost dot indicates 50Hz digit (On=5; Off=0).
2	Rx Signaling	OFF	——	[LAMP] : Off/QT/DQT switching [●] : Mode switching [O] : Normal/Inverse switching
		QT 67.0-250.3Hz (EIA Mode)	QT_67.0_	
			QT_250.3_	
		QT 67.0-250.3Hz (0.1Hz Step Mode)	QT_67.0*	
			QT_250.3*	
		DQT 000-777 (Normal) (1 Step Mode)	DQT000N*	
			DQT777N*	
		DQT 023-754 (Normal) (Standard Table Mode)	DQT023N	
			DQT754N	
		DQT 000-777 (Inverse) (1 Step Mode)	DQT000I*	
			DQT777I*	
		DQT 023-754 (Inverse) (Standard Table Mode)	DQT023I	
			DQT754I	

REALIGNMENT

No.	Function	Choices	Display	Remarks
3	TX frequency	Step 2.5kHz-1MHz	STP_250	Same as RX frequency.
			STP_1000	
		Blank	——	
		100.0000-550.0000MHz	T.100.0000	
4	TX Signaling		Same as	RX signaling.
5	Option Signaling	OFF	NONE___	← Default
		DTMF	DTMF___	
		2-TONE	2TONE__	
6	ID	000-9999999999	__ID___	Display when an item is selected (about 0.5 seconds)
			12345678	Display of the current setting (If it is 8 or more digits, scroll it.)
			——987	Display when a code is input (Input it with DTMF key.)
		Blank	——	[LAMP] : Data clear
7	Busy Channel Lockout	NO	BCL_NO_	← Default
		Type 1	BCL_1__	BCL_YES for K type
		Type 2	BCL_2__	N/A for K type
8	Beat shift	No	SHFT_NO_	← Default
		Yes	SHFT_YES	
9	RF Power	High Power	PWR_H___	← Default
		Low Power	PWR_L___	
10	Wide/Narrow	Wide	WIDE____	
		Narrow	NARROW__	
11	Scan Delete/ADD	DELETE	SCAN_DEL	Not used for TK-360G
		ADD	SCAN_ADD	← Default
12	Priority Channel	No	P.CH_NO__	Not used when (Scan) Priority is not Fixed.
		Yes	P.CH_YES_	
13	Home Channel	No	H.CH_NO__	Not used when Home Channel is not set in Key Assignment.
		Yes	H.CH_YES_	
14	Compander	No	COMP_NO_	Not used when Wide is selected.
		Yes	COMP_YES	
15	PTT ID	OFF	P.ID_OFF	
		Begin of TX	P.ID_1	
		End of TX	P.ID_2	
		Both	P.ID_3	
16	Begin of TX ID	000-9999999999999999	_BOT_ID_	Not valid if Dial ID =Disable and PTT ID=OFF, or EOT is set. Display when an item is selected (about 0.5 seconds)
			12345678	Display of the current setting (If it is 8 or more digits, scroll it.)
			——987	Display when a code is input (Input it with DTMF key.)
		Blank	——	[LAMP] : Data clear
17	END of TX ID	000-9999999999999999	_EOT_ID_	Not valid if Dial ID=Disble and PTT ID=OFF, or BOT is set. Display when an item is selected (about 0.5 seconds)
			12345678	Display of the current setting (If it is 8 or more digits, scroll it.)
			——987	Display when a code is input (Input it with DTMF key.)
		Blank	——	[LAMP] : Data clear

• Flow Chart

Channel Setting Mode



REALIGNMENT

8-3. Function Setting Mode

This is a mode for using the panel keys to make function settings without using the FPU, that operate on all channels.

Pressing the [LAMP] when "SELF" is displayed, sets the Function Setting Mode.
Select an item set using [►] then change the selection with the encoder.
The data displayed using [◄] is stored in the memory and then proceeds to the next item. Pressing [►] proceeds to the next item without storing it in memory.
Press [LAMP] to display "SELF" and return to reset (default) status.

Function Setting Mode

No.	Function	Choices	Display	Remarks
		Function Key		
1	[LAMP]	No Function	LAMP_OFF	
		Talk Around	LAMP_3	* TK-360G cannot be selected. K and M destinations only
		Display Character	LAMP_5	* TK-360G cannot be selected.
		Home Channel	LAMP_7	* TK-360G cannot be selected.
		Channel Down	LAMP_8	* TK-360G cannot be selected.
		Channel Up	LAMP_9	* TK-360G cannot be selected.
		Keylock	LAMP_10	* TK-360G cannot be selected.
		Lamp	LAMP_11	← Default(TK-370G) * TK-360G cannot be selected.
		Selectable QT	LAMP_15	* TK-360G cannot be selected. M destination only
		Monitor A	LAMP_17	
		Monitor B	LAMP_18	
		Monitor C	LAMP_19	
		Monitor D	LAMP_20	
		RF Power Low	LAMP_21	
		Scan	LAMP_22	* TK-360G cannot be selected.
		Scan DEL/ADD	LAMP_23	* TK-360G cannot be selected.
		Group Down	LAMP_24	* TK-360G cannot be selected.
		Group Up	LAMP_25	* TK-360G cannot be selected.
		Scramble	LAMP_26	Only when scrambler is set
2	[MONI]	No Function	MON_OFF	
		Talk Around	MON_3	* TK-360G cannot be selected.
		Display Character	MON_5	* TK-360G cannot be selected.
		Home Channel	MON_7	* TK-360G cannot be selected.
		Channel Down	MON_8	* TK-360G cannot be selected.
		Channel Up	MON_9	* TK-360G cannot be selected.
		Keylock	MON_10	* TK-360G cannot be selected.
		Lamp	MON_11	* TK-360G cannot be selected.
		Selectable QT	MON_15	* TK-360G cannot be selected. M destination only
		Monitor A	MON_17	← Default
2	[MONI]	Monitor B	MON_18	
		Monitor C	MON_19	
		Monitor D	MON_20	
		RF Power Low	MON_21	
		Scan	MON_22	* TK-360G cannot be selected.
		Scan DEL/ADD	MON_23	* TK-360G cannot be selected.
		Group Down	MON_24	* TK-360G cannot be selected.
		Group Up	MON_25	* TK-360G cannot be selected.
		Scrambler	MON_26	Only when scrambler is set
3	[○]TK-370G only	No Function	KEY1_OFF	
		Talk Around	KEY1_3	K and M destinations only
		Display Character	KEY1_5	
		Home Channel	KEY1_7	
		Channel Down	KEY1_8	
		Channel Up	KEY1_9	
		Keylock	KEY1_10	
		Lamp	KEY1_11	
		Selectable QT	KEY1_15	M destination only
		Monitor A	KEY1_17	
		Monitor B	KEY1_18	
		Monitor C	KEY1_19	
		Monitor D	KEY1_20	
		RF Power Low	KEY1_21	
		Scan	KEY1_22	
		Scan DEL/ADD	KEY1_23	← Default
		Group Down	KEY1_24	
		Group Up	KEY1_25	
		Scrambler	KEY1_26	Only when scrambler is set
4	[●]TK-370G only	No Function	KEY2_OFF	
		Talk Around	KEY2_3	K and M destinations only
		Display Character	KEY2_5	
		Home Channel	KEY2_7	
		Channel Down	KEY2_8	
		Channel Up	KEY2_9	
		Keylock	KEY2_10	
		Lamp	KEY2_11	
		Selectable QT	KEY2_15	M destination only
		Monitor A	KEY2_17	
		Monitor B	KEY2_18	
		Monitor C	KEY2_19	
		Monitor D	KEY2_20	
		RF Power Low	KEY2_21	
		Scan	KEY2_22	
		Scan DEL/ADD	KEY2_23	
		Group Down	KEY2_24	
		Group Up	KEY2_25	
		Scrambler	KEY2_26	Only when scrambler is set

REALIGNMENT

No.	Function	Choices	Display	Remarks
5	[◄]TK-370G only	No Function	KEY3_OFF	
		Talk Around	KEY3_3	← Default
		Display Character	KEY3_5	
		Home Channel	KEY3_7	
		Channel Down	KEY3_8	
		Channel Up	KEY3_9	
		Keylock	KEY3_10	
		Lamp	KEY3_11	
		Selectable QT	KEY3_15	M destination only
		Monitor A	KEY3_17	
		Monitor B	KEY3_18	
		Monitor C	KEY3_19	
		Monitor D	KEY3_20	
		RF Power Low	KEY3_21	← Default
		Scan	KEY3_22	
		Scan DEL/ADD	KEY3_23	
		Group Down	KEY3_24	
		Group Up	KEY3_25	
		Scrambler	KEY3_26	Only when scrambler is set
6	[►]TK-370G only	No Function	KEY4_OFF	
		Talk Around	KEY4_3	
		Display Character	KEY4_5	
		Home Channel	KEY4_7	
		Channel Down	KEY4_8	
		Channel Up	KEY4_9	
		Keylock	KEY4_10	
		Lamp	KEY4_11	
		Selectable QT	KEY4_15	M destination only
		TX Code	KEY4_16	
		Monitor A	KEY4_17	
		Monitor B	KEY4_18	
		Monitor C	KEY4_19	
		Monitor D	KEY4_20	
		RF Power Low	KEY4_21	← Default
		Scan	KEY4_22	
		Scan DEL/ADD	KEY4_23	
		Group Down	KEY4_24	
		Group Up	KEY4_25	
		Scrambler	KEY4_26	Only when scrambler is set
7	[CH]	Channel Up/Down	CH_UP/DN	← Default
		Group Up/Down	GR_UP/DN	
		No Function	KNOB_OFF	
Optional Feature				
8	Power On Tone	YES/NO	PONT_YES	Default:YES
9	Control Tone	YES/NO	CNTT_YES	Default:YES
10	Warning Tone	YES/NO	WART_YES	Default:YES
11	Time Out Timer	OFF,15-300/15s Step	TOT_60	Default:60s
12	TOT Pre-Alert Time	OFF,1-10/ 1s Step	TOTP_PFF	Cannot be set when TOT is OFF. Default:OFF

No.	Function	Choices	Display	Remarks
13	TOT Rekey Time	OFF1-60/ 1s Step	TOTK_OFF	Cannot be set when TOT is OFF. Default:OFF
14	TOT Reset Time	OFF1-15/ 1s Step	TOTS_OFF	Cannot be set when TOT is OFF. Default:OFF
15	Clear to Transpond (BCL for Transpond)	YES	CTT_YES	
		NO	CTT_NO	← Default
16	Battery Save	ON	BATT_ON	← Default
		OFF	BATT_OFF	
17	Signaling	OR	SIG__OR	← Default
		AND	SIG_AND	
18	Squelch Level	0-9/1 Step	SQL__5	Default;5
19	Priority	None	PRI_NONE	← Default
		Fixed	PRI_FIX_	
		Selected	PRI_SEL_	
20	Lock Back Time A	0.5-5.0/0.05	LBA_500	Default:500ms Cannot be set when Priority = none.
21	Lock Back Time B	0.5-5.0/0.05	LBB_2000	Default:2000ms Cannot be set when Priority = none.
22	Revert Channel	Selected	REV_SEL	
		Last Called	REV_L/C_	← Default
		Last Used	REV_L/U_	
		Selected + Talk Back	REV_S/T_	
		Priority	REV_PRI_	
		Priority + Talk Back	REV_P/T_	
23	Dropout Delay Time	0-300/1s	DODT___3	Default;3s
24	Dwell Time	0-300/1s	DWL___3	Default;3s
DTMF				
25	Digit Time	50-200/10ms	DIGT__50	Default;50ms
26	Inter Digit Time	50-1000/50ms	IDT___50	Default;50ms
27	First Digit Time	50-200/10ms	FDT___50	Default;50ms
28	First Digit Delay	50-1000/50ms	RIST_100	Default;100ms
29	Rise Time with QT	50-1000/50ms	RTWQ_100	Default;100ms
30	DIAL ID	Enable	DID_ENA	
		Disable	DID_DIS	← Default
31	No.of DTMF Key	12Key	NODK_12	← Default
		16Key	NODK_16	
32	DTMF Hold Time	ON	DHT__ON	← Default
		OFF	DHT__OFF	
33	Store and Send	Enable	SAS_ENA	
		Disable	SAS_DIS	← Default
34	D Key Assignment	D Code	DKA_D_CD	← Default
		1-16/1s	DKA_16__	
35	DTMF Signaling	Code SQ	DTMF_CSQ	← Default
		SEL CALL	DTMF_SEL	
36	Inter Mediaate Code	0-9,A-D,*,#	IMC__#_	Default: # (Can be set only when DTMF signaling = SEL CALL.)

No.	Function	Choices	Display	Remarks
37	Group Code	A-D,*,#	GPCD_FF_	Default;OFF
38	Auto Rest Time	OFF	ART_OFF_	
		1-15/1s	ART__10	Default;10s
39	Call Alert/ Transpond	OFF	CA/T_OFF	← Default
		Call Alert	CA/T_C/A	
		Transpond (Call Alert)	CA/T_T/A	
		Transpond (ID Code)	CA/T_T/I	
		Transpond (Transpond Code)	CA/T_T/T	
Others				
40	Panel Test/panel Tuning MODE	Enable	PTM_ENA	← Default (Not used for TK-360G.)
		Disable	PTM_DIS	

8-4. Memory Reset Mode

This mode is used to clear data for functions that can be set in Self Programming Mode or to return to reset values (default).

Pressing [O] when "SELF" is shown, sets the display to "CANCEL".

Turning the encoder alternately switches the display between "CANCEL"◄⟶►"READY".

Pressing [O] when "READY" is shown, clears the data and sets the display to "CLEAR".

Pressing [O] again, returns the display to "SELF".

Pressing [O] when "CANCEL" is shown, returns the display to "SELF" without resetting the data.

When the [O] switch is pressed while "SELF" is displayed, the memory is reset.

When the memory is reset, mode data and model data are not reset.

The TK-360G cannot reset the memory.

- **Flow Chart**