

# IC-2710H

( )

( ) (02) 3443-8844

(HITOP) : (02)704-9104

:

: HITOP

**ICOM INC.**

**民營情報通信(株)**

**1**

1-1

1-2

**2**

**3**

3-1

3-2

3-3

3-4

**4**

- PANEL

-

-

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- /

-

- DTMF

-

1

1-1

“IC-2710H” VHF/UHF FM ,  
144.000MHz - 146.000MHz 430.000MHz - 440.000MHz  
가 가

\*

1) SIMPLE

, DUAL / 가

2)

가 .

3) VHF/UHF

VHF/VHF , UHF/UHF

MAIN 가

가 .

4)

가 .

1-2

1)

가

,

2)

.

.

- 3)
- 4)
- 5) AC
- 6)
- 7) 16V DC 가
- 8)
- 9) DC 가 DC
- 10) 가 가
- 11) 가
- 12) 가 PTT

**2**

- 1.
- 1) CPU
- 2)
- 3)
- 4)
- 2.
- 3. ( )

**3**

**3-1**

- 1)
  - VHF : 144.000 - 146.000MHz
  - UHF : 430.000 - 440.000MHz
- 2) : F3E(NARROW)
- 3) : 5, 10, 12.5, 15, 20, 25, 30 50 KHz
- 4) : DC13.8V ± 15%
- 5)
  - TX
    - VHF (LOW : 4.5 A, MID : 6.5 A, HIGH : 12.0 A), UHF (LOW : 4.5 A, MID : 6.5 A, HIGH : 11.0 A)
  - RX
    - Maximum Audio : 1.8 A( ), 1.5 A( )
    - Squelch Closed : 1.2 A
- 6) : ± 10 ppm
- 7) : - 10 - +60
- 8) : 140(W) × 40(H) × 212.4(D)mm

- 9) : 1.4 Kg
- 10) : SO-239 (50 )

**3-2**

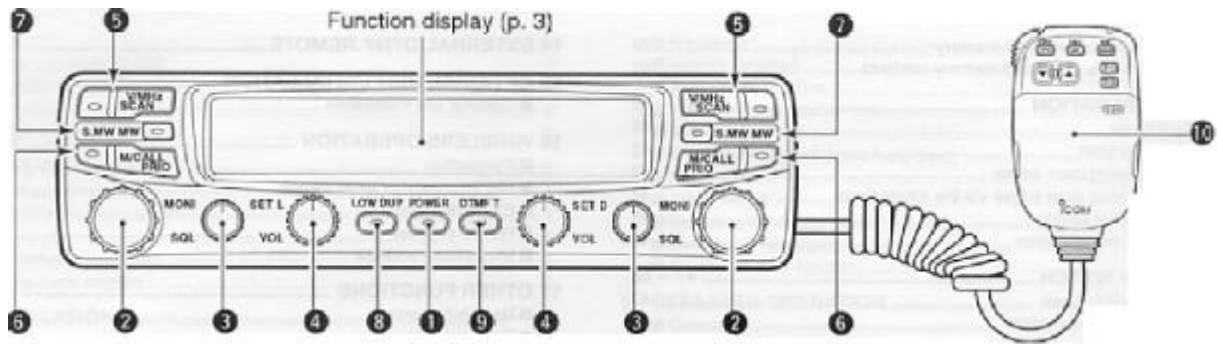
- 1) VHF ( LOW : 5 W, MID : 10 W, HIGH : 50 W)  
UHF ( LOW : 5 W, MID : 10 W, HIGH : 35 W)
- 2) : 가 FM
- 3) : ± 5.0 KHz
- 4) : - 60dB
- 5) : 8-pin modular plug

**3-3**

- 1) :
- 2) : 1 ( VHF : 45.05 MHz, UHF : 57.65 MHz)  
2 : 450 KHz
- 3) Original Band : 0.16 μ V for 12dB SINAD .
- 4) : 0.13 μ V .
- 5) : 30KHz/ - 60 dB 15KHz/ - 6dB .
- 6) Spurious and image rejection ratio : 60 dB
- 8) : 2.4 W (10% , 8 )
- 9) : 2-conductor 3.5(d) mm (1/8")/ 8 × 2(VHF, UHF )

**3-4**

IC



4

PANEL

- ① [POWER]  
1 ON OFF
- ②  
↳ (p.17),  
↳  
↳  
↳
- ③ [SQL(MONI)]  
↳  
• RF 가 가 가  
↳  
• 가 가
- ④ [VOL(SET L)]/[VOL(SET D)]  
↳  
↳ 가

↔ ON/OFF . [SET(L)]  
 ↔ . [SET(D)]

**5 VFO/ MHz [V/ MHz(S CAN)]**

↔ VFO 1MHz

**6 / [M/ CALL(PRIO)]**

↔ 가

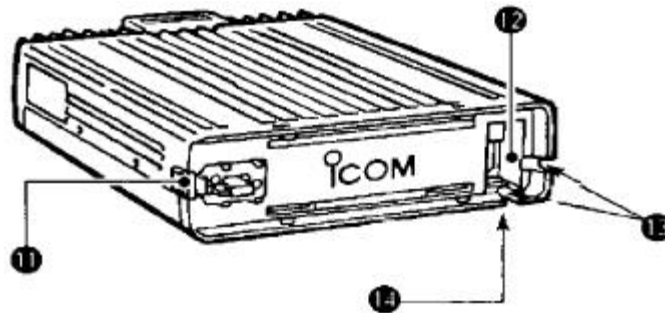
**7 / [S .MW (MW)]**

↔ [LOW(DUP)]

↔ • 3 : , ,  
 ↔ .  
 ("+DUP"가 3 가 : (" - DUP"가 ),

**9 DTMF/ [DTMF(T)]**

↔ DTMF ON/OFF .  
 • UT- 49



DTMF

↔ 가 ON

OFF  
 • UT- 104

가 가 가

**10**

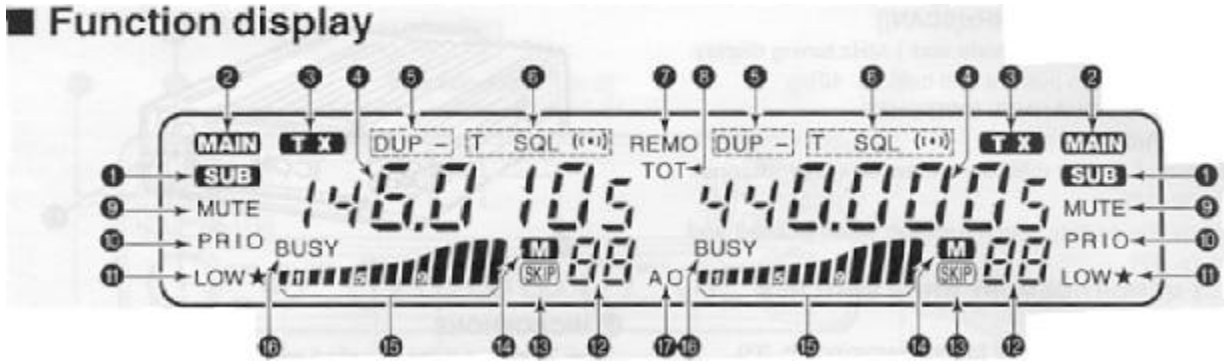
↔  
 ↔

•

11

12

### Function display



EX- 1759

13

1

1

2

3

( )



↔

↔

PTT

④

•

• DTMF

100MHz

"d"가

"P", "C"가

⑤

"DUP- "

"DUP"가

(

).

⑥

↔

가

가

"T"가

↔

"T SQL"

↔

"T SQL((•))"

⑦

DTMF

DTMF

• U.S.A.

⑧

TOT(

)

가

⑨

•

⑩

가

가

⑪

↔

"LOW"가

(.5W)

↔

"LOW "가

(.10W)

↔

⑫

↔

가

↔

"L"

↔

"C"가

↔

가

"L1-L3"가

↔

VFO 가

"c"가

⑬

⑭

가

⑮

S/ RF

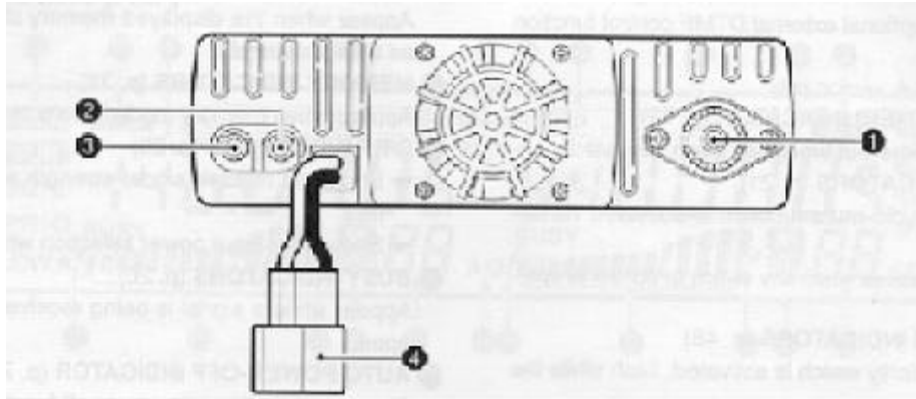
↔

↔

⑯

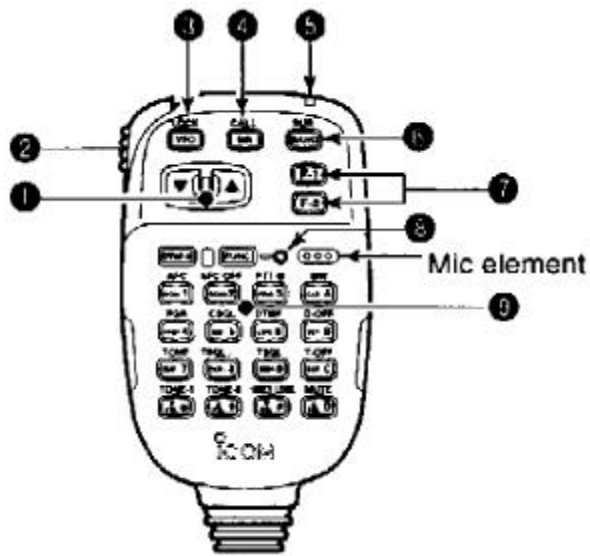
가

⑰



- ① [ANT]  
PL- 259 50
- ② 1 [144MHz SP]  
4- 8 144MHz
- ③ 2 [430(440)MHz SP]  
4- 8 [430(440)MHz SP]가
- ④ [DC13.8 V]  
DC 13.8V DC

	VHF	UHF
	( )	
[144MHz SP]		
[430(440)MHz SP]	( )	
2	[144MHz SP]	[430(440)MHz SP]



① UP/ DOWN [ ]/[ ]



② PTT



PTT

③ VFO [VFO (LOCK)]



ON/OFF

④ [MR(CALL)]



⑤

PTT

⑥



ON/OFF

⑦ [F- 1]/ [F- 2]

•

VHF UHF

[F- 1] [F- 2]

가

⑧

↔ [FUNC]가

2

가

↔ [DTMF- S]가

DTMF

⑨

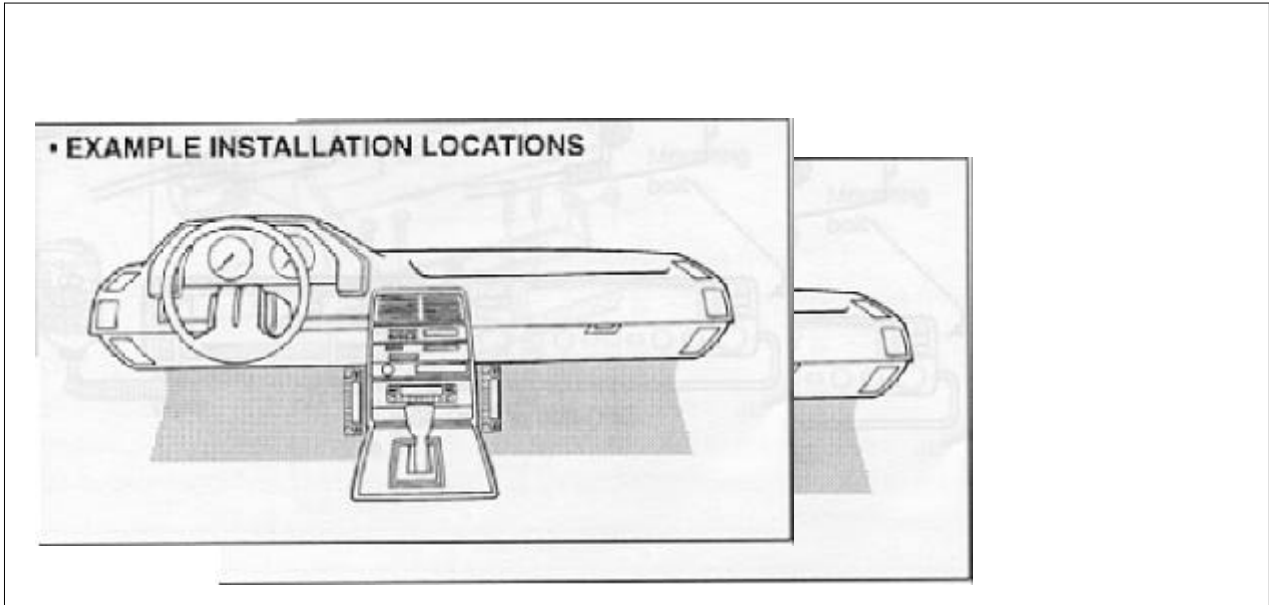
, DTMF

. 7, 8

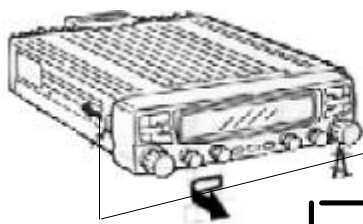
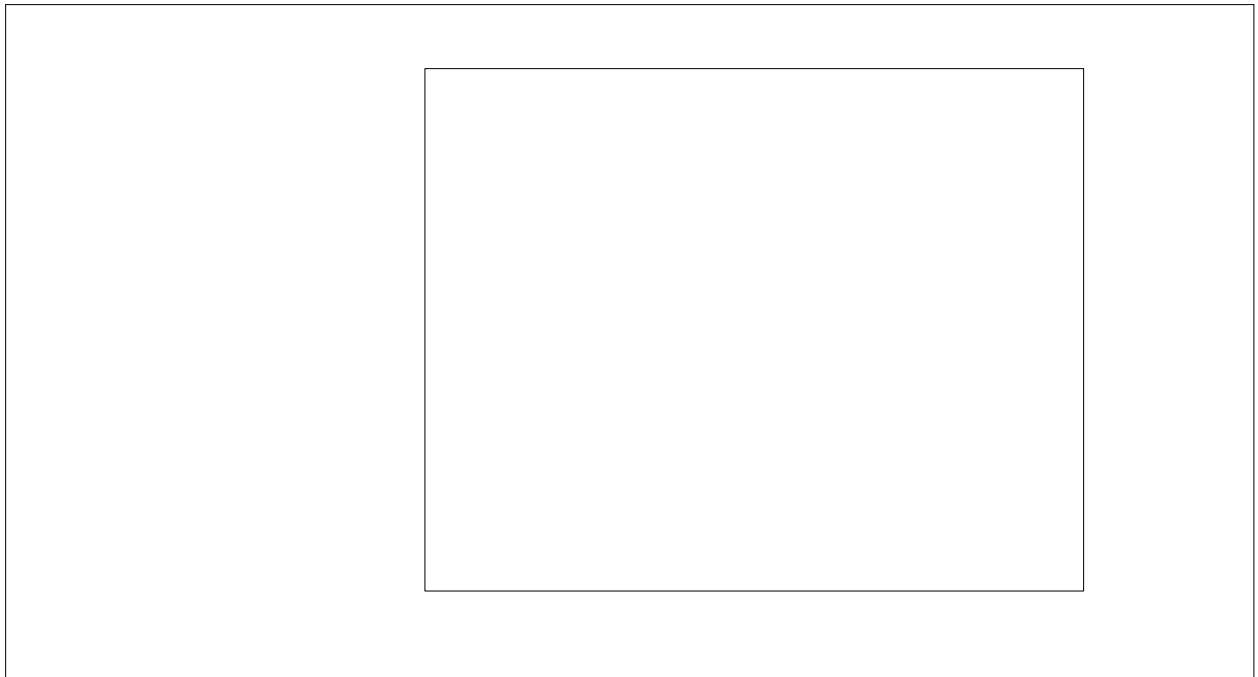
( MB- 17A )

OPC- 600 (3.5m; 11.5ft) OPC- 601 (7.0m; 23.0ft)  
MB- 58  
가 MB- 65 (MB- 58  
)  
OPC- 440 (5.0m; 16.4ft) OPC- 647 (2.5m;  
8.2ft)  
OPC- 441 (5.0m; 16.4ft)

가



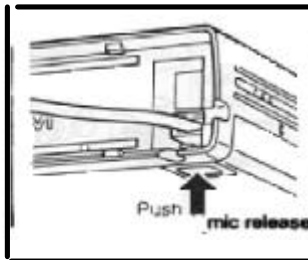
5.5-6 mm(3/16 ) , 4 , 2-3 mm(1/16 )



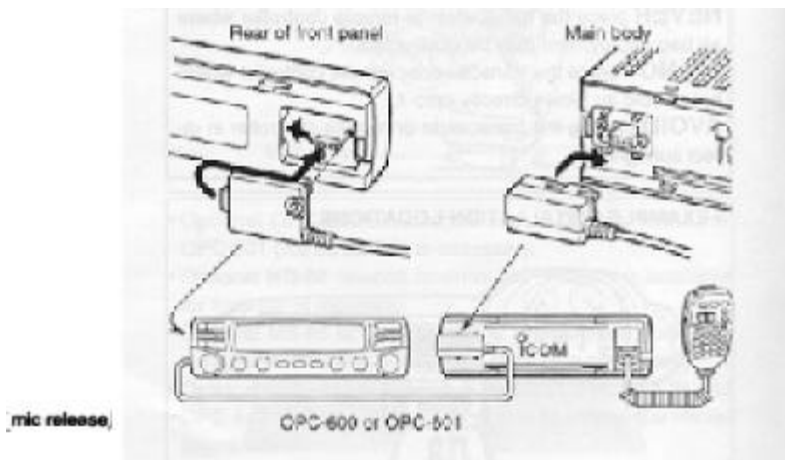
**Microphone pin assignments**



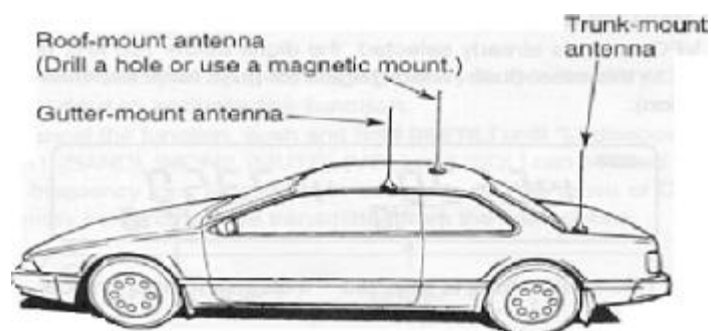
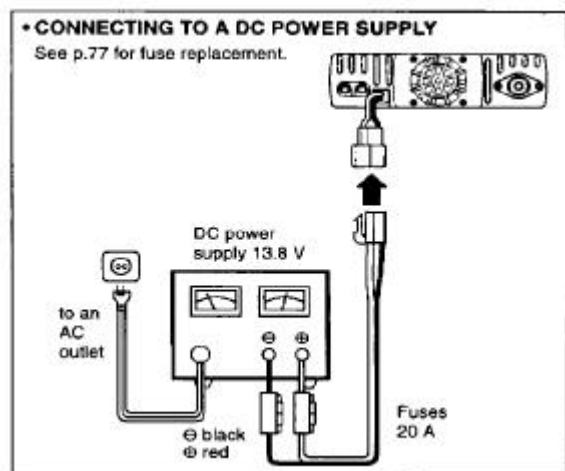
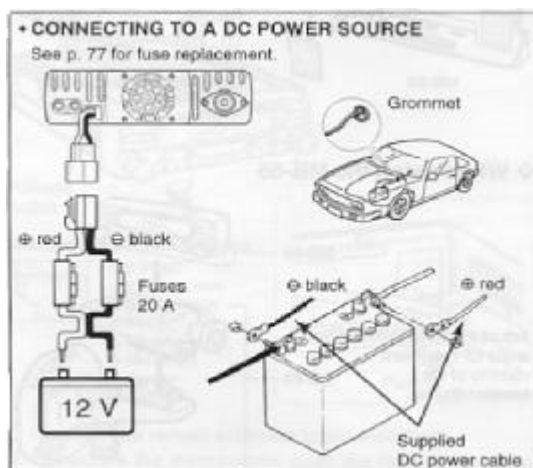
- ① 8 V OUT
- ② Freq. up/down
- ③ 8 V control IN
- ④ PTT
- ⑤ Mic AF (-)
- ⑥ Mic AF (+)
- ⑦ Ground
- ⑧ Data IN



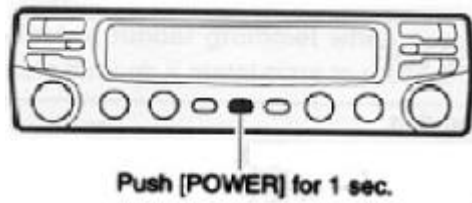
8V OUT  
UP/DOWN  
8V  
PTT  
AF(-)  
AF(+)  
IN



DC



ON  
 [POWER] 1 ON



1 [POWER]

IC-2710H 144MHz 430(440)MHz

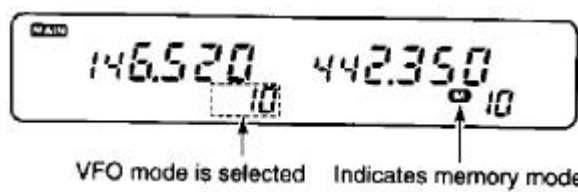
• **"MAIN"**

[BAND] 144 430(440)MHz

VFO

VFO 2가 가 VFO

• VFO 가 VFO [V/MHz] VFO  
 가 100kHz [V/MHz]

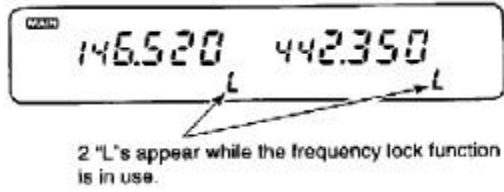


VFO 가

VFO [VFO] ( ) [BAND]  
 • [VFO]

2가

- "L" 가 [(SET)L] [(SET)L]
- [PTT], [BAND], [MONI], [MUTE], [VOL], [SQL], DTMF, DTMF 가



2 "L" 가

- [FUNC] [#16 KEYLOCK] ON/OFF
- [PTT] 가
  - OFF 가 ON

- VFO 가 [V/MHz] VFO
- 1MHz [V/MHz]
- [V/MHz] 1 [V/MHz]

10MHz [V/MHz]

10MHz, 1MHz, 10MHz kHz

- [ ]/[ ]
- [ ] [ ]
- VFO 가 [VFO]
  - 가 [ ] [ ]



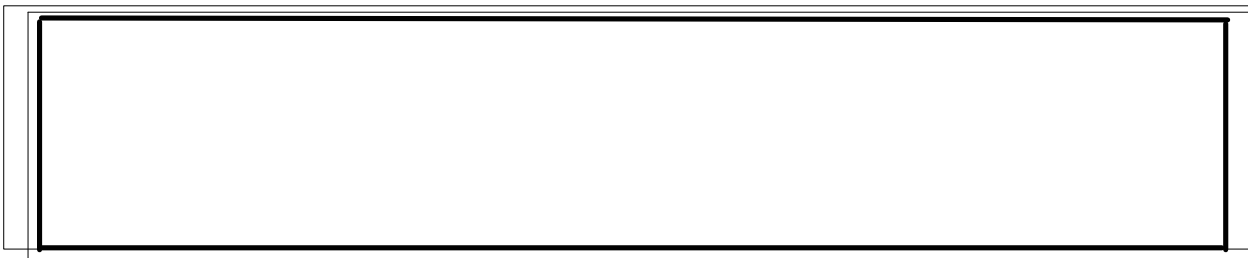
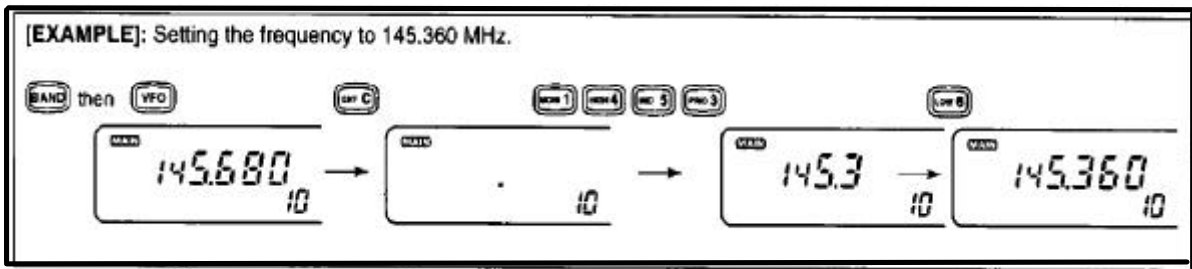
- 가 [ ] [ ] 가 :
- 5kHz • 10kHz • 12.5kHz • 15kHz • 20kHz • 25kHz • 30kHz • 50kHz

■ :

- 가 [V/MHz] VFO [(VOL)SET]
- "tS"가
- [(SQL)MONI]
- DTMF /

- [1] [BAND]
- [2] VFO [VFO]
- [3] [ⓈSET] "tS"가
  - [ENT] 가
  - DTMF /
- [4] [ ] [ ]
- [5] [CLR]

- [1] [BAND]
- [2] VFO [VFO]
- [3] [ⓈSET] "tS"가
  - [ENT] 가
  - DTMF /
- [4] [ ] [ ]
- [5] [CLR]



IC-2710H 144MHz 430(440)MHz

[POWER] 1 ON

↔ [(SQL)MONI]  
↔ [VOL]  
↔ [(SQL)MONI]

↔ [SQL]  
↔ [SQL] 가  
↔ 가 [SQL]

• "BUSY"가 S/RF 가 가 OFF

• [MONI]  
• [MONI] 가 [MONI]

① [BAND]

② [MONI]

• [MONI]

① [FUNC] [MUTE]

• "MUTE" 가

② [CLR]( )

• "MUTE" 가

가

- [PTT] "SUB" 가
- para\_ watch
- 1 가
- 가
- "SUB" 가

① [(BAND)SUB]

- "SUB" 가
- [PTT]

②

가

③

[(BAND)SUB]

- "SUB" 가
- ( ) [(BAND)SUB] ( )

/

AF

가

가 [(VOL)SET L]( ) [POWER]

"Sub" 가 [SET]  
[MON]

Sub- oF	OFF	OFF
Sub- oF(( • ))	OFF	ON
Sub- on	ON	OFF
Sub- on(( • ))	ON	ON

가 [POWER]

**Para- watch**

IC- 2710H

144

430(440)MHz

para- watch

"- 144- " "- 430- " ( "- 440- ")가

:  
• para-watch

가

para-watch

[F- 1] [F- 2]

para-watch

: 가 가

:  
↔ [(SQL)MONI]  
[ MONI]  
↔ 가 430(440) MHz AVOID 144MHz , 145MHz 435MHz

- [PTT] 가
- "TX" 가
- S/RF 가
- PTT
- 가
- 가 [PTT]

[LOW]

-

	S/ RF	VHF	UHF
		50W	35W
		10W	10W
		5W	5W

① [BAND]

② [ HIGH] [ MID] , [ LOW]

가

[PTT]

• - PTT ( )

- PTT

PTT - PTT ( PTT )  
가

① [FUNC] [ PTT-M] - PTT ON  
가

② [PTT]  
• - PTT "TX" 가

③ [FUNC] [ PTT-M] - PTT OFF  
가

[DUP]

• "DUP- " "DUP" 가

• ON ( ) 가

[(DTMF)T] 가 ON  
 • p. 29  
 •  
 [PTT] ( )  
 • "oFF" 가  
 [PTT]  
 [MONI]  
 가 [DUP] 1 1 "DUP"  
 가 OFF [(DTMF)T]  
 • "T" 가  
 • UT- 104 [(DTMF)T] 가 2 ( 3 )

- ① [BAND]
- ② ( )
- ③ [ DUP- ] - [ DUP+ ] + 가 ON
- ④ [FUNC] [ TONE] 가 ON
- 
- ⑤ [PTT]
- ⑥ [ MONI]
- ⑦ [PTT]
- ⑧ [ SIMP]
- ⑨ 가 OFF [FUNC] [© T-OFF]

**DTMF**

[DTMF- S] DTMF  
 • 가  
 • 0- 9, A- D, \* (E) # (F)  
 • DTMF /  
 • [DTMF- S]  
 • 8

**1750Hz**

1750Hz 1750 Hz

- ① [FUNC]  
 • 가
- ② [ \* TONE- 1] 1750Hz 1  
 [ @TONE- 2]  
 •  
 • HM- 90 1750Hz

가

VFO / 가 [SET]

"T"가 [MONI]

- DTMF /

■ : 가

/ 가

- ① [BAND]
- ② VFO , / 가
- 가
- ③ [BSET] "T"가
- [CENT] 가
- DTMF /
- ④ [ ] [ ]
- [ ] [ ] 가
- ⑤ [CLR]

• 가 ( : Hz)

67.0	79.7	94.8	110.9	131.8	156.7	171.3	186.2	203.5	229.1
69.3	82.5	97.4	114.8	136.5	159.8	173.8	189.9	206.5	233.6
71.9	85.4	100.0	118.8	141.3	162.2	177.3	192.8	210.7	241.8
74.4	88.5	103.5	123.0	146.2	165.5	179.9	196.6	218.1	250.3
77.0	91.5	107.2	127.3	151.4	167.9	183.5	199.5	225.7	254.1

VFO /

- "DUP"가 [SET]
- [MONI]
- DTMF /
- 가
- [V/MHz] MHz

- ① [BAND]

② VFO , /

•

③ [ⓄSET] "DUP"가

• [ⓄENT]

• DTMF

④ [ ] [ ]

•

• [ ] [ ]

⑤ [ⒶCLR]

■ :  
가

99

가 6

(3 )

•

•

• 가

(DUP    DUP-)  
\*1

[M/ CALL] 1    2    "M"

•

[ ]/[ ]

① [BAND]

② [MR]

③ [ ] [ ]

• [ ] [ ] 0.5

• [ ] [ ]

① [BAND]

② [MR]

③ [ⓄENT]

④ 2

•

•

A b

"\*" "#"

VFO( / )

, 가



[M/ CALL] 1 2 ("M")

[S.MW]

• VFO [(S.MW)MW]

[(S.MW)MW]

① [BAND]

②

[MR]

[ ] [ ]

[CENT]

)

③ [FUNC] [AMW]

[ ] [ ]

• VFO

[FUNC]

[AMW]

④

[FUNC] [AMW] 1

[M/ CALL] 1 2

"C" 가

[V/ MHz] [M/ CALL]

• "C"가

[S.MW]

• VFO [(S.MW)MW]

[(S.MW)MW]

① [BAND]

② [(MR)CALL] 1

③ [FUNC] [AMW]

• VFO

[FUNC] [AMW]

④

[AMW]

[FUNC] [AMW] 1

가?

VFO

[M/ CALL] 1 2 . ( "C"가 . )

- 
- 
- 

"L1-L3" 가  
CPU

[V/MHz] [M/ CALL]



- 
- 

가

3

가

가  
가

가

VFO

/

[M/ CALL] 1 2

- 

"C"가

- 

"L1"- "L3" 가

[(S.MW)MW]

- 

"M" \_ "가

VFO

[(S.MW)MW]

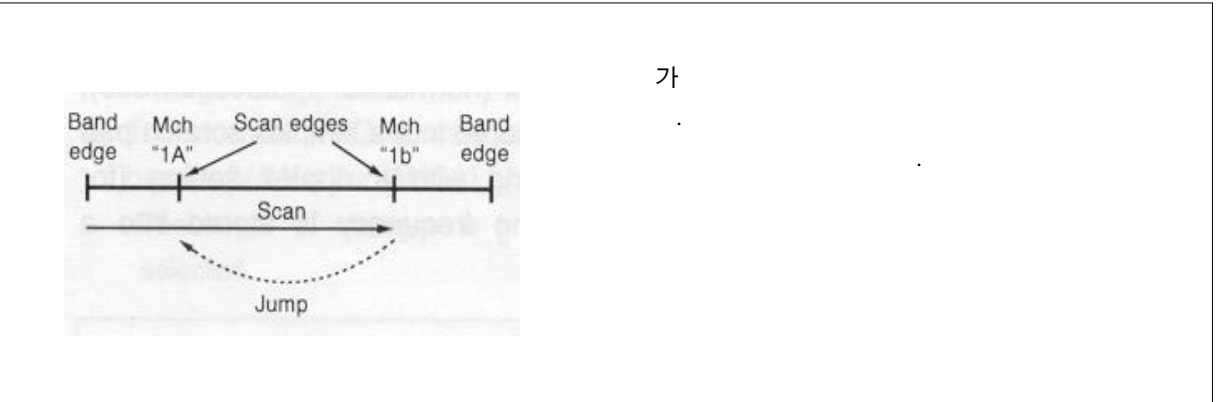
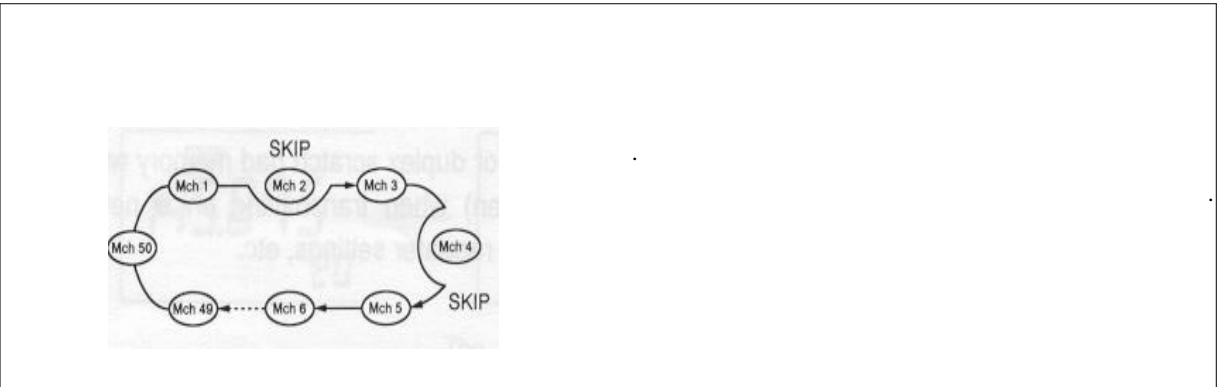
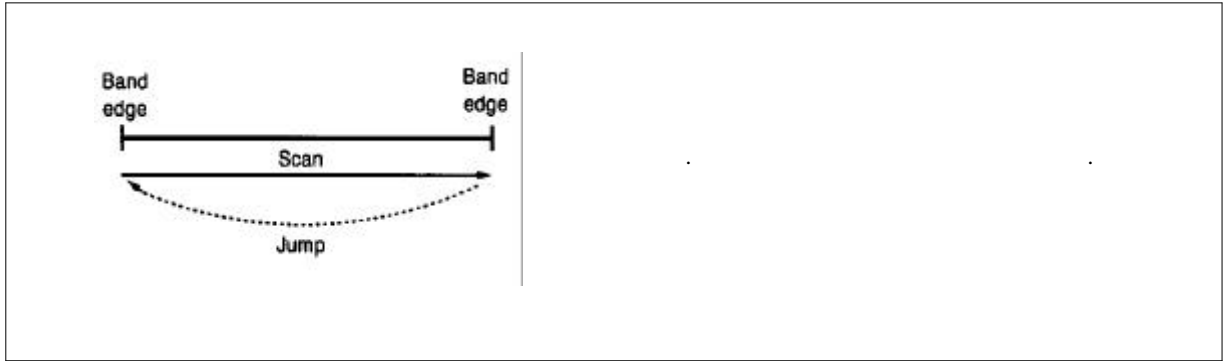


3

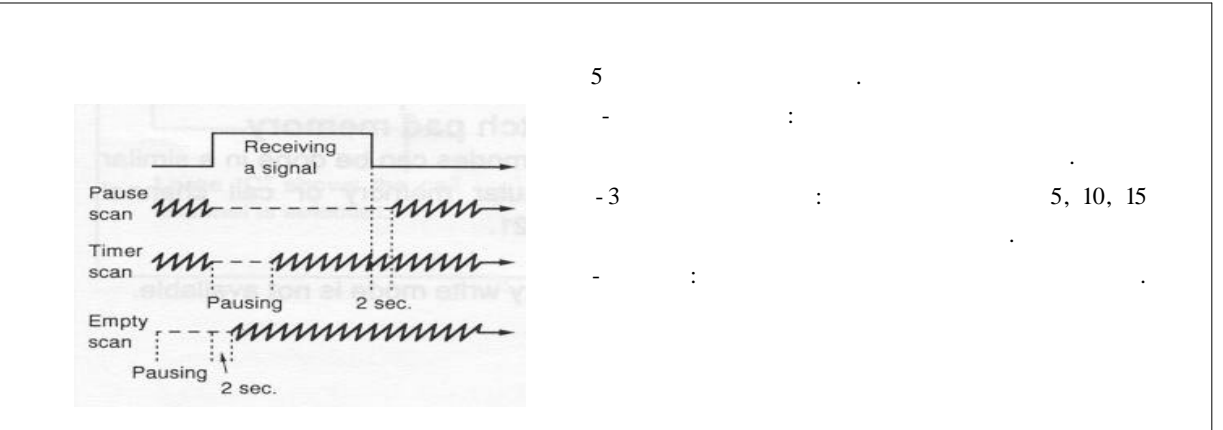
가

:

5



가



5  
- :  
-3 : 5, 10, 15  
- :

- :  
• :  
• : 2

/ VFO [V/MHz]

가

1 [(V/MHz)SCAN]

• [(V/MHz)SCAN]

• :  
• :  
/ [SET]

⑥ [(VMHz)SCAN]

① [BAND]

② / [VFO] VFO [MR]

③ [①▲SQL] [#▼SQL]

④ [SCAN]  
• [▲]/[▼]

⑤ / [SET]

⑥ [ⒶCLR]

↔ [M/CALL] 1 2

↔

③ [SET] "CHS"가

• [MONI] 가

ON/OFF

• "SKIP" :  
(CHS-on)

• "SKIP" : 가  
(CHS-OFF)

■ :

① [BAND]

②

[MR]

[ ] [ ]

③ [SET] "CHS"가

• [ENT]

④ [ ] [ ]

•

⑤ [CLR]

(p. 47)

"SCt" "SCP"가

[SET]

• [MON]

• DTMF /

③

• "SCt- 15" : 15

• "SCt- 10" : 10

• "SCt- 5" : 5

• "SCP- 2" : 2

• "SCt- EP" : 2

① [BAND]

② [SET] "SCt" "SCP"가

• [ENT]

• DTMF /

③ [ ] [ ]

•

④ [CLR]

VFO

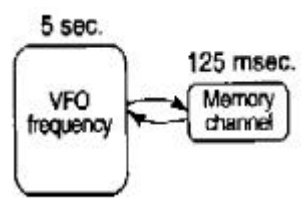
5

3

VFO

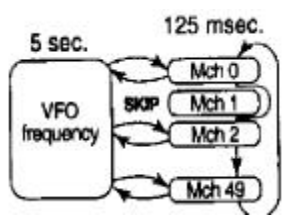
- DTMF / OFF
- "SCt-EP"가

VFO 5



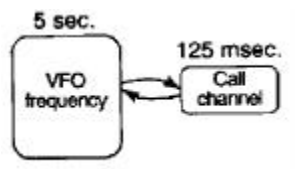
가

VFO



VFO

5



VFO

( )

[(V/MHz)SCAN] 1

[M/ CALL]

• [(M/ CALL)PRIO] 1  
 • 5  
 • [M/ CALL]  
 • VFO가 [M/ CALL]

"PRIO" 가

- ① [BAND]
- ② VFO
- ③ :
- [MR] [ ] [ ] :
- [MR] [ SCAN] :
- [(MR)CALL]
- ④ [ PRIO] 5
- [ PRIO] [ⒶCLR]
- ⑤ [ⒶCLR] ( )

**DTMF**

DTMF  
 DTMF 16 , 8 DTMF (d1- d8)

■ : DTMF

- [DTMF] "d"가 100MHz
- 100MHz "d"가
- [(VOL)SET]
- [SET] [MONI]
- "E" "\*" , "F" "#"
- S/ RF 6 가
- "-"

**DTMF**

[DTMF] DTMF ON

[SET]

[SET L](VHF ) [MONI](UHF )

**DTMF**

**DTMF** ( )

DTMF 가 ON PTT DTMF 가

DTMF ON [DTMF]

- 100MHz "d"가 가 [SET] DTMF

[PTT] DTMF

- [PTT] DTMF 가

• DTMF [DTMF]

- "d" 가 "REMO" 가 100MHz 가
- UT- 49 [DTMF]

① [FUNC] [ DTMF] DTMF ON

- 100MHz "d"가

② [ⓑSET]

③ [ ] [ ]

④ [PTT] DTMF

- [PTT] DTMF 가

⑤ [ⒶCLR]

**DTMF**

① [FUNC] [ DTMF] DTMF ON

- 100MHz "d"가

② [DTMF- S] DTMF

- "1" "8"

③ [DTMF- S] DTMF

④ [ⒶCLR] DTMF OFF PTT

- DTMF 가 ON DTMF 가

**DTMF**

DTMF 가 DTMF

[POWER] OFF

[(VOL)SET L]( ) [POWER] 1 ON





가  
[(DTMF)T] "T SQL" 1

- 
- 
- 
- 

가 S/RF  
[MONI]  
[PTT] .)  
([PTT]  
[(DTMF)T] 1  
"T SQL" 가

UT-104

[(DTMF)T] 1  
[(V/MHz)SCAN] 1

"T SQL"

- 

가 가 VFO, /

[(V/MHz)SCAN]  
[(DTMF)T] 1



: /

UT-49

가

DTMF

" "

ID 가 ID

가

가가

가

가

가

ID

가

3-

DTMF

ID		"RECEIVE ACCEPT"	"RECEIVE INHIBIT"
ID	0	"Receive accept"	
ID	1-5	"Receive inhibit"가	
	1-5	"Receive accept"가	
*	P	"Receive inhibit"	

\*

P

ID

P

1-5  
"receive accept"("SKIP" 가 )  
가 "receive inhibit"  
"receive inhibit" ("SKIP"가  
)

•

[DTMF]

ON

• "P" 가 100MHz

[(VOL)SET]

0-5

•

P

[(SQL)MONI]

[(VOL)SET]

[DTMF]

"receive inhibit"

"receive accept"

• "receive inhibit"

"SKIP"

• 0 "receive inhibit"

- ① [BAND]
- 
- ② [FUNC] [ PGR] ON
- 100MHz "P"
- ③ [ⓑSET]
- ④ [ ] [ ] 0-5
- P
- ⑤ 3
- 가
- ⑥ [ⓑSET] "receive inhibit" "receive accept"
- "receive inhibit" "SKIP"
- 0 "receive inhibit"
- ⑦ [ⒶCLR]

[DTMF] ON

- 100MHz "P"가
- 

↔ [SET]

↔

↔

[PTT]

- 가 ID

- 3- 가 가

[DTMF] 2 -

- ①
- ②
- ③ [FUNC] [ PGR] ON
- 100MHz "P"가
- 

- ④
- ↔ [ⓑSET]
- ↔ [ ] [ ]
- ↔ [ⒶCLR]

⑤ [PTT]

- ⑥
- 가 ID

7 가 [A CLR]

• 3- 가

8 [FUNC] [ C SQL] [A CLR]

• [FUNC] [B D- OFF]

[DTMF] ON

• 100MHz "P"가

•

• 가 ID 가 "((•))"

• 3- 가

[PTT]

[DTMF] 2

1 [BAND]

2

3 [FUNC] [ PGR] ON

• 100MHz "P"가

•

4

• 가 ID 가 "((•))"

• 3- 가

5 [PTT]

6 [FUNC] [ C SQL] [A CLR]

• [FUNC] [B D- OFF]



UT- 49

ID

3-

[DTMF] ON  
• 100MHz "C" 가  
•

↔ [SET]  
↔  
↔

((PTT) [PTT]

).  
• [PTT] 3-

• [DTMF] 1  
가

① [BAND]

②

③ [FUNC] [ C SQL] ON  
• 100MHz "C" 가  
•

④

↔ [B]SET]  
↔ [ ] [ ]  
↔ [A]CLR]

⑤

• [PTT] 3-

⑥

• [FUNC] [A]CLR]  
[B]D- OFF] 가

