

(Tone Remote Controller, TRC-100E)



 **SINKI ELECTRONICS CO., LTD.**

()

431-824

3 1032-13

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1.

(2,175Hz) Guard-Tone

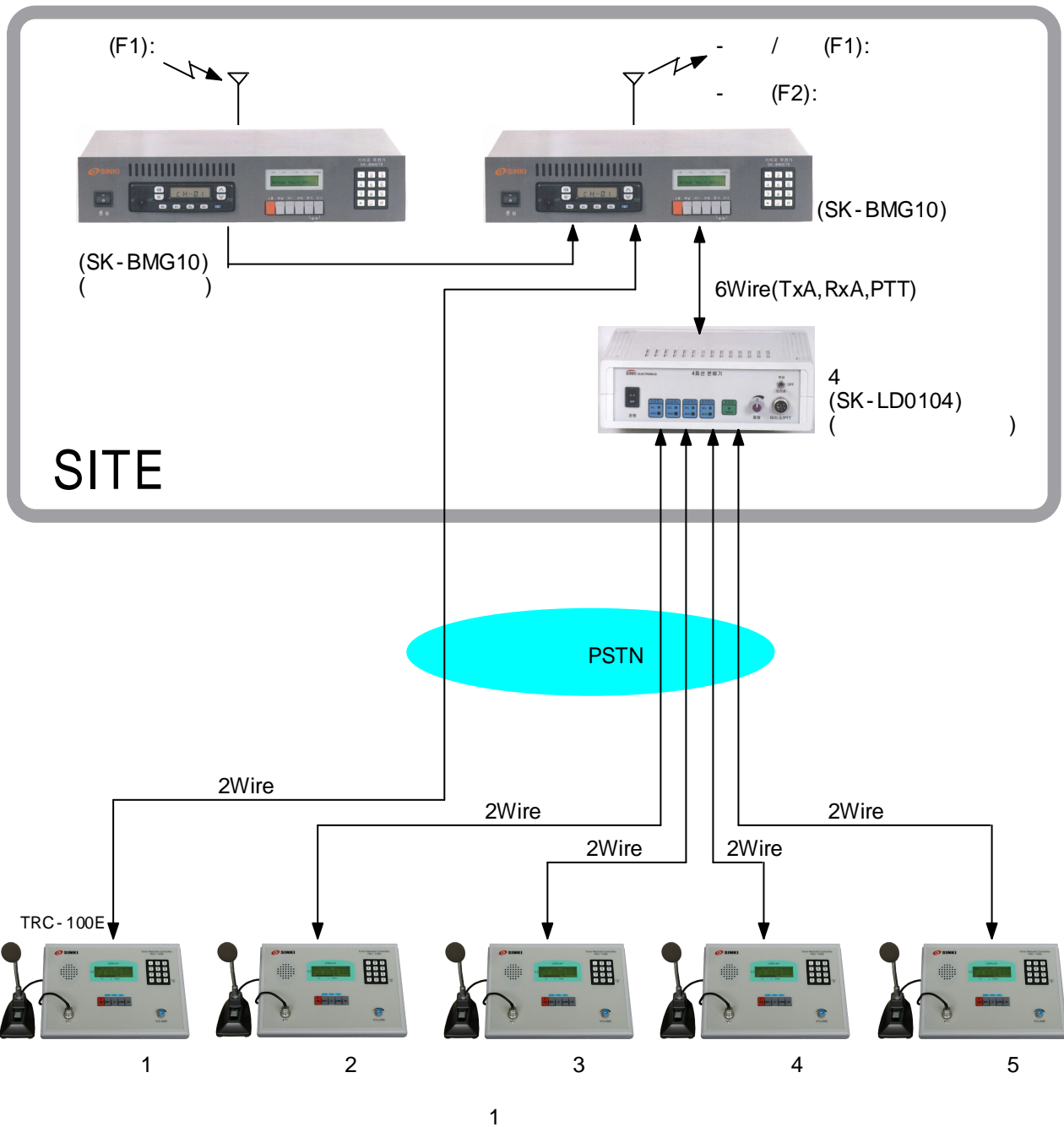
1

가

Tone

Remote Controller (TRC-100E)

2.



3.

- 1) 5 (CTN:Call Transmission Number)
- 2) 7 Guard - Tone 1
- 3) 16 Function - Tone 1
- 4) (, , , , ,), ID, (CTN)
- 5) ID , ID 640
- 6) ID DTMF 5 2 , DTMF 2Digit, 3Digit, 4Digit, UNIMO社 1 , 5
- 7) (Mute) 9 (-30dBm ~ -14dBm 2dB)
- 8) 4 (, , , ,) 1
- 9) 4 (Alert Tone)
- 10)
- 11) (Only Voice), 400Hz, 1KHz, 2KHz, 3KHz (Transmit Modulation) PTT 941Hz (S/N : Signal To Noise) PTT 가 PTT
- 8
- 12)
- 13) (Back -Light)
- 14)
- (, SK-BMG10)
- 15) Guard Tone Function Tone

16)

17) (TOT) 가 30 ~ 255

(Not Used) . (Default = 180)

18) 5 .(Default = 70msec)

19) 2 (2Wire), 가

가 .



: (Move) ,

(Alert Tone) .



: 가(Up) ,

(CID:Call Identification)



: (Down) ,



: (End) ,

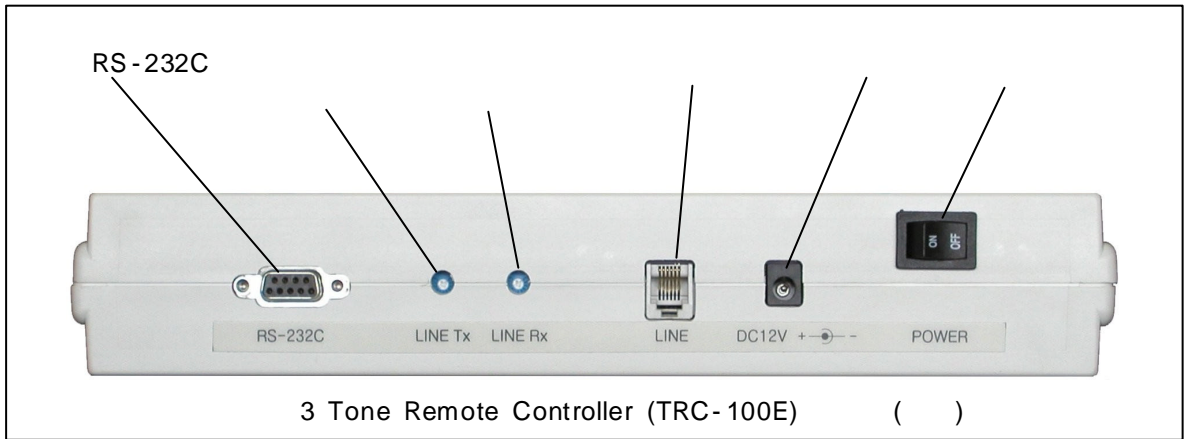
(Back - Light) , , , ,

ID(Identification),

(CID) .

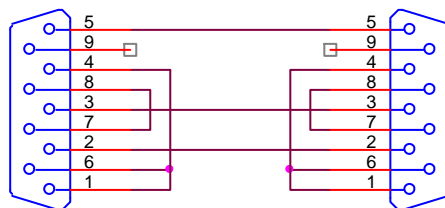
가 .

4.2



RS-232C : CCITT V.24

PC



PC

TRC-100E

DCD

DSR

RxD

RTS

TxD

CTS

DTR

RI

GND

: Tone Remote Controller(TRC-100E)

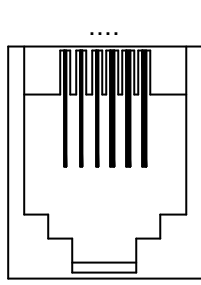
가 .

:

,

:

가 가 .(RJ-45)



	()

: Tone Remote Controller(TRC-100E)

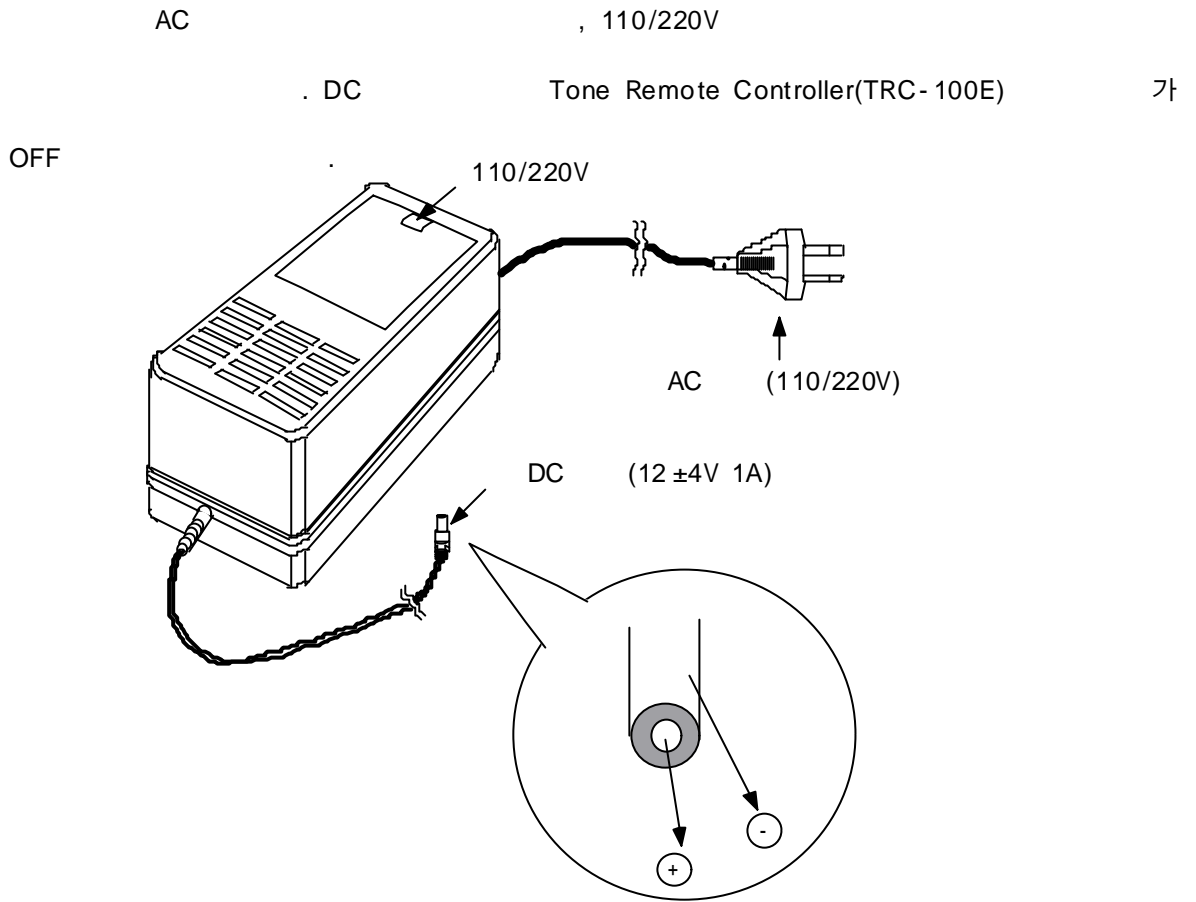
12V

: Tone Remote Controller(TRC-100E)

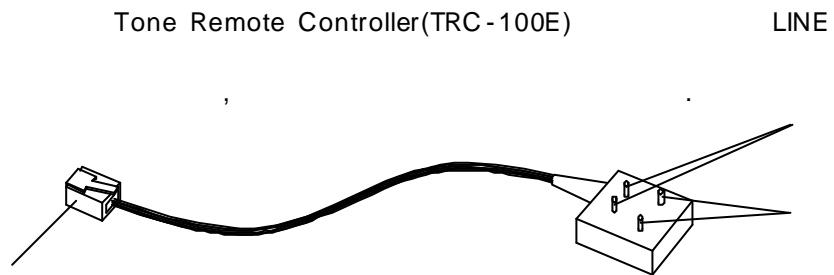
ON/OFF

5.

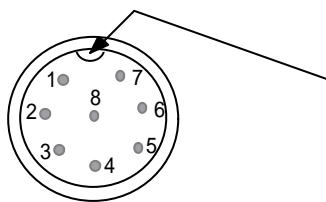
5.1



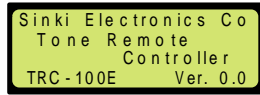
5.2



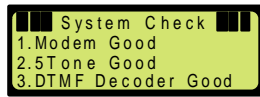
5.3



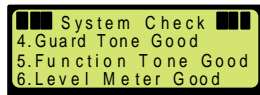
5.4



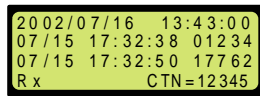
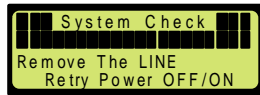
1



2



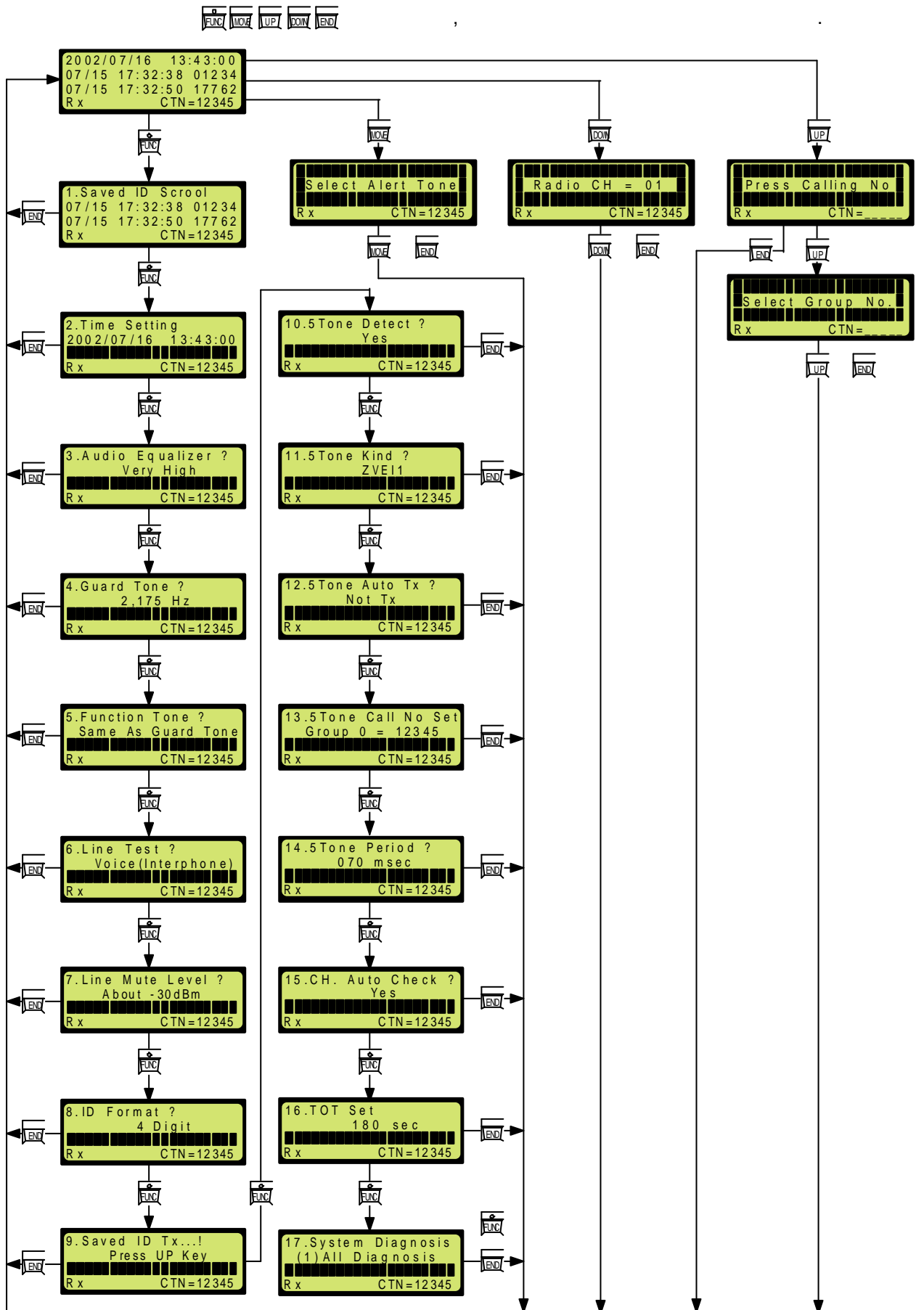
6가 1 가 , LINE
가



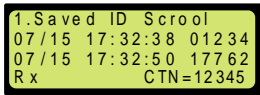
- Not Modem (Option) : .(가)
- Not 5Tone (Option) : 5 En/Decoder . (CID 가)
- DTMF Decoder Error : DTMF Encoder Decoder (Decoder가
가)
- Guard Tone Error : Guard Tone Guard Tone

- G-Tone Can't Test : 5 En/Decoder 가 가
- Function Tone Err. : Function Tone Function Tone
- F-Tone Can't Test : 5 En/Decoder 가 가
- Level Meter Error : A/D

6.



6.1 ID



1. Saved ID Scrool

(SRAM)

ID



640



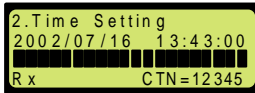
ID



가

ID

6.2



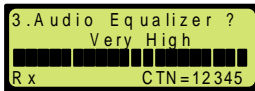
2. Time Setting

가



4

6.3

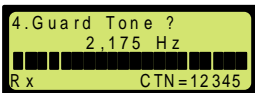


3. Audio Equalizer

4

- 1 : Low
- 2 : Normal
- 3 : High
- 4 : Very High

6.4 가 (Guard Tone)



4. Guard Tone

PTT(Push To Talk)

가 (Guard Tone)

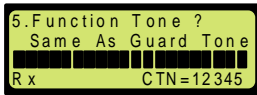
7 가

가



가 2100Hz, 2175Hz, 2300Hz, 2325Hz, 2600Hz, 2800Hz, 2970Hz

6.5 (Function Tone)



5. Function Tone

(Guard Tone)

16 가



650Hz ~ 2,050Hz 100Hz 15 가 , 가

"Same As Guard Tone"

6.6

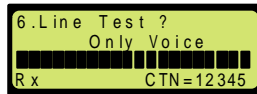
6. Line Test

8 가



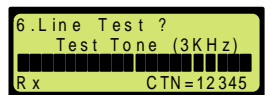
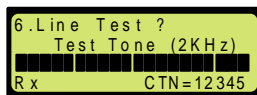
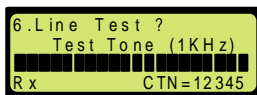
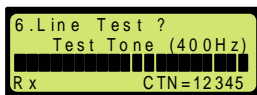
(PTT)

"Only Voice" 가



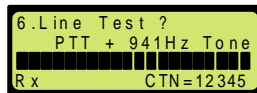
400Hz, 1KHz, 2KHz, 3KHz

0dBm(600) 가 ,

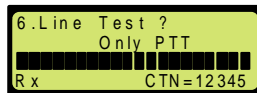


PTT 941Hz

가 ,



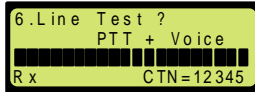
PTT 가



PTT

가

가



6.7 (Mute)



7. Line Mute Level



-30dBm ~

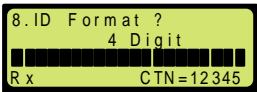
-14dBm 2dB

가

0.5

(VOR(Voice Operated Receiving))

6.8 ID



8. ID Format DTMF ID

, 2 (2Digit), 3 (3Digit), 4 (4Digit)

(Unimo

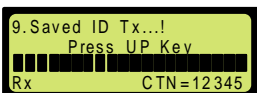
Technology Co., Ltd.)

4가



		ID	DTMF	
2 Digit	2	00 ~ 99	0 ~ 9	10
3 Digit	3	000 ~ 999	0 ~ 9	10
4 Digit	4	0000 ~ 9,999	0 ~ 9	10
Unimo Format	4	0000 ~ 20,975	0 ~ 9, A, B, C, D	14

6.9 ID PC



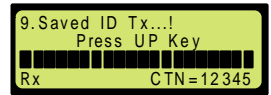
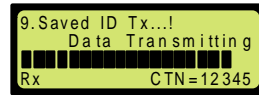
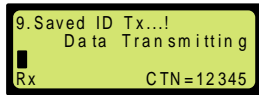
9. Saved ID Tx...!

640 ID

PC(Personal Computer)



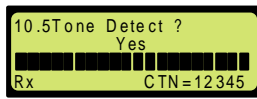
RS-232C



RS-232C

	9600 bps
	8 bit
	No Parity
	1 bit

6.10 5



10. 5Tone Detect 5 ID



" Yes "

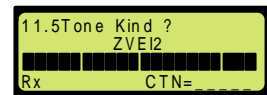
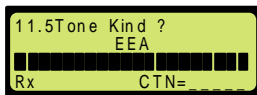
5

" No "

5

6.11 5

11. 5Tone Kind " EEA ", " CCIR ", " ZVEI1 ", " ZVEI2 " 4



5

	EEA	CCIR	ZVEI1	ZVEI2
0	1,981	1,981	2,400	2,400
1	1,124	1,124	1,060	1,060
2	1,197	1,197	1,160	1,160
3	1,275	1,275	1,270	1,270
4	1,358	1,358	1,400	1,400
5	1,446	1,446	1,530	1,530
6	1,540	1,540	1,670	1,670
7	1,640	1,640	1,830	1,830
8	1,747	1,747	2,000	2,000
9	1,860	1,860	2,200	2,200
*	1,055	2,400	2,800	2,800
Repeat	2,110	2,110	2,600	970

6.12 5 (CTN:Call Transmission Number)

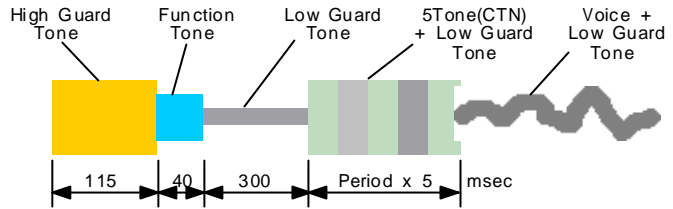
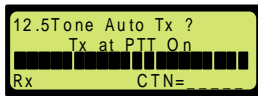
12. 5Tone Auto Tx PTT , 5 CTN(Call Transmission Number)



, CTN

, PTT

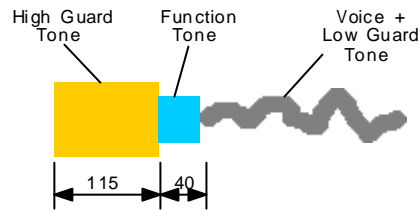
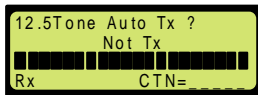
CTN



, CTN

, PTT

CTN



6.13 5 ID(CTN:Call Transmission Number)

13. 5Tone Call No Set PTT , 5 CTN(Call Transmission Number) , 10

.(CTN 5.19 .)

0 ~ 9, *

CTN

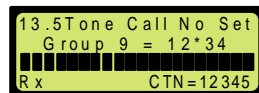
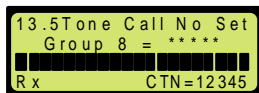
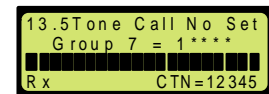
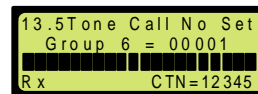
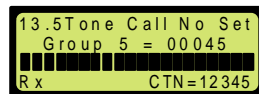
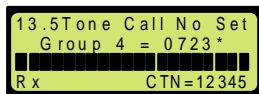
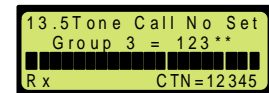
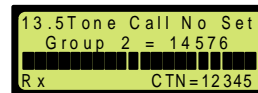
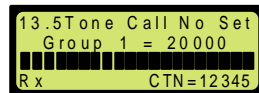
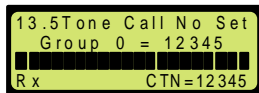


Group 0 Group 9 10 가

CTN

Group

(0~9)



6.14 5 (Period)

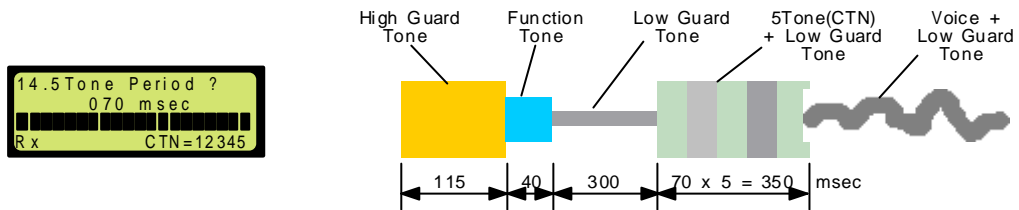
14. 5Tone Period PTT , 5 CTN(Call
Transmission Number) , 5 .

5 1 

, 70msec CTN 70 x 5 = 350msec 가 .

, 5 (Mobil Handy) 5

CTN



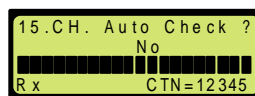
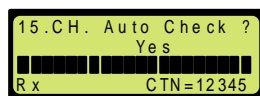
6.15

15.CH. Auto Check ,

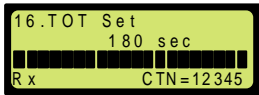
" Yes "

가 5





6.16 TOT(Time Out Transmission)

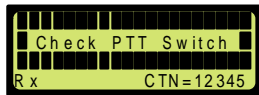


16.TOT set

, 4 PTT가

"Check PTT Switch"가

PTT

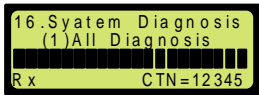


6.17

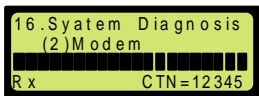
16.System Diagnosis

7가

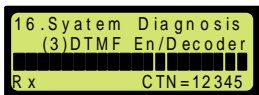
7가 , 1



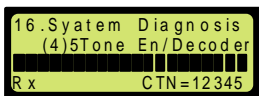
"(1)All Diagnosis" , # 7가



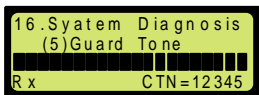
"(2)Modem" # ,



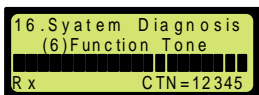
"(3)DTMF En/Decoder" , # DTMF Encoder
DTMF Decoder
가 ,



"(4)5Tone En/Decoder" , # DTMF Encoder
5Tone Encoder
/Decoder 가 ,



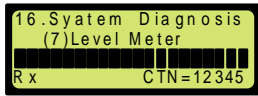
"(5)Guard Tone" , # Guard/Function Tone
Encoder Guard Tone 2
5Tone Encoder /Decoder
가 ,



"(6)Function Tone" , # Guard/Function
Tone Encoder Function Tone 2

5Tone Encoder /Decoder

가



"(7)Level Meter"

, #

DTMF Encoder

가

가



"(8)RS-232C Tx/Rx"

RS-232C

2,3

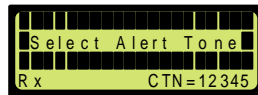
, #

, RS-232C

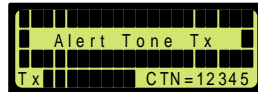
가

가

6.18 (Alert Tone)

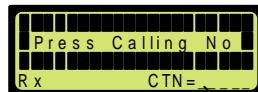


1, 2, 3, 4

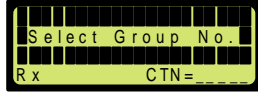
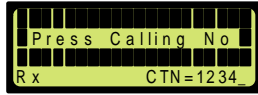


6.19

()



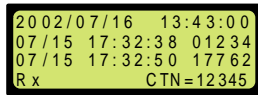
(0~9, *)



0~9

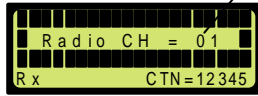
가

CTN

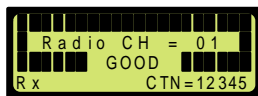


6.20

()

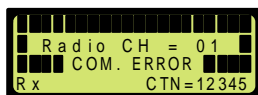


, #



5

가



6.21

ID

1 ~ 6

ID

```
Sinki Electronics Co
Tone Remote
Controller
TRC-100E Ver. 0.0
```

```
System Check
1.Modem Good
2.5Tone Good
3.DTMF Decoder Good
```

7.

1	PTT	2Wire Tone
2		600 ± 20% (@1KHz)
3		0 ± 6 dBm (@600 , 1KHz)
4		-25 ± 6 dBm(@600 ,1KHz)
5		-50dB
6		5 (EEA, CCIR, ZVEI1, ZVEI2)
7	5	20msec 256msec 1msec 가
8		MSK (1200bps)
9		01 ~99
10	ID	640 (, , , , , , ID(5))
11		NiCd (3.6V)
12		4
13	가 (Guard Tone)	2,100Hz, 2,175Hz, 2,300Hz, 2,325Hz, 2,600Hz, 2,800Hz, 2,970Hz
14	(Function Tone)	650Hz 2,050Hz 100Hz 15 + 가 1
15		400Hz, 1KHz, 2KHz, 3KHz
		PTT + 941Hz
		PTT
		PTT +
16	VOX	-30dBm -14dBm 2dB 9
17	ID	2Digit, 3Digit, 4Digit, Unimo Format
18	TOT	30 ~ 255 (1)
19		, DTMF Encoder/Dddecoder, 5Tone Encoder/Decoder Guard Tone, Function Tone, Level Meter, RS-232C
20		AC (:AC110V/220V± 10%, :DC12/850mA)
21		0 ~ 50 , 20% ~ 90%