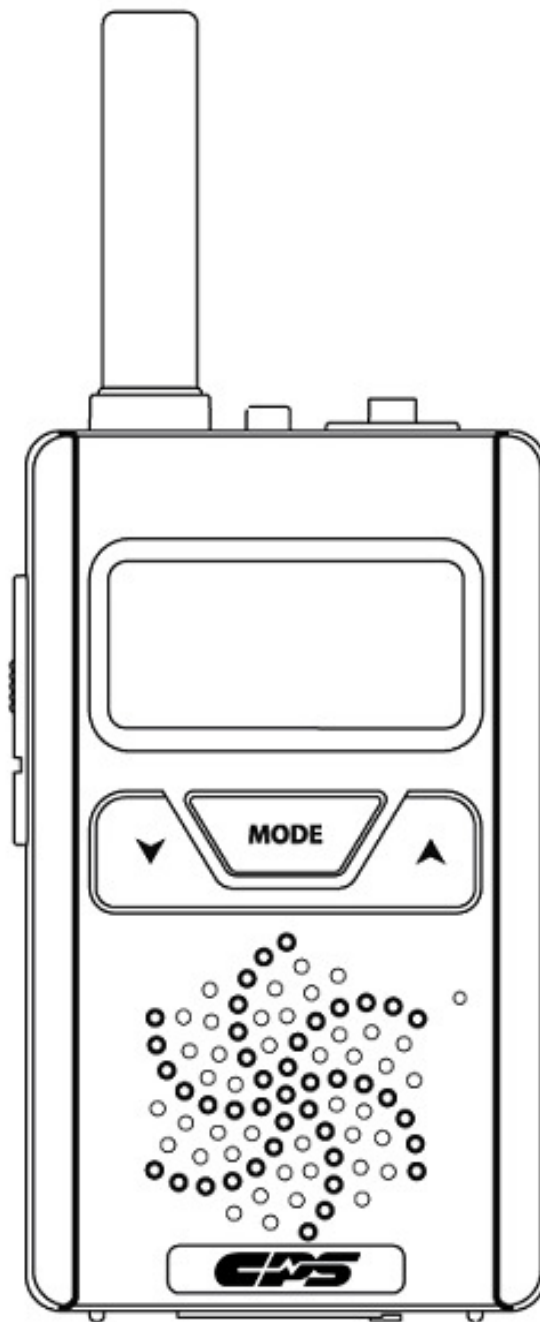


CP183

袖珍型手持對講機 用戶使用手冊



1. 概述

1.1 概述

CP183系列袖珍型商用手持對講機，設計優良，線條美觀時尚，性能良好，簡單易用。

1.2 功能

- 內置53單音CTCSS及104個DCS數位私線組合（DCS及DCS）
- 5級選擇靜噪水平
- 聲控發射功能，可無需按動PTT而以講話聲音進行聲控發射(VOX)
- 雙守候功能(DW)
- 鍵盤鎖功能
- 省電功能
- 0.5W 音頻功率輸出
- 3.7V 750mAh鋰離子電池，提供長時間通話電量
- 頻道掃描
- 監聽功能，能在微弱的接收訊號進行監聽功能
- 繁忙頻道鎖定
- 接收場強弱顯示(RSSI)
- 電量顯示
- 克隆功能，複製
- 背光及聲響選擇
- 電腦編程

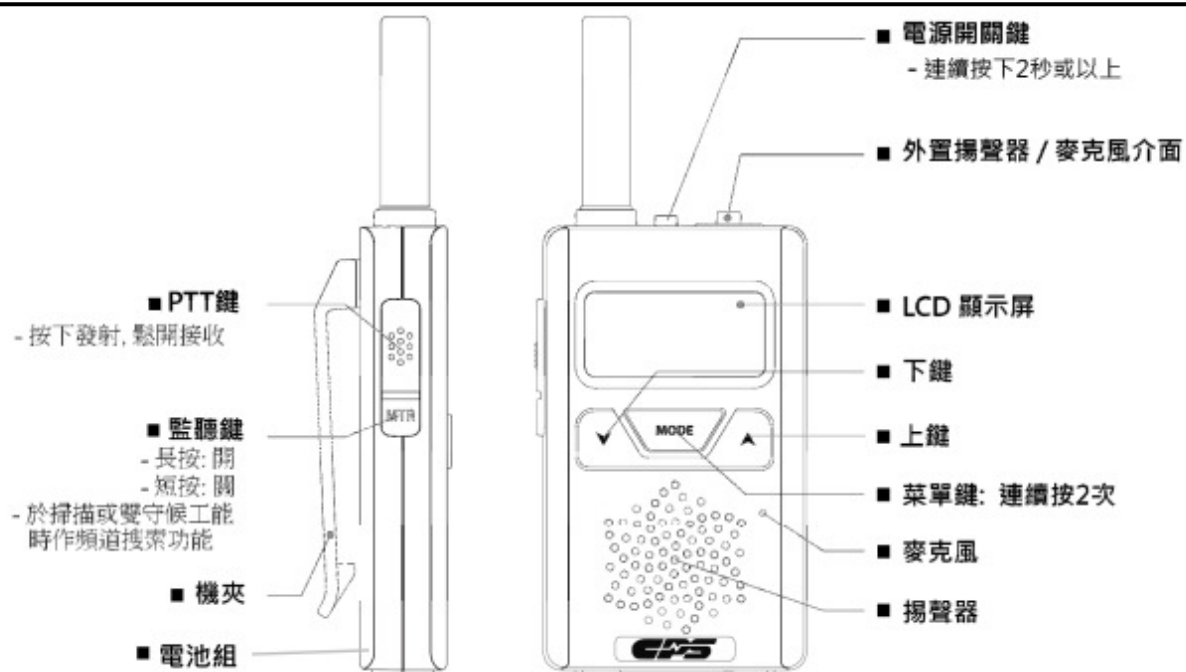
1.3 配件

- USB線連CWC18火牛
- CB18電池
- CS18充電座
- 使用說明書

1.4 另購配件

- 耳機麥克風

2. 控制鍵及顯示說明



	功能	備註
T3	VOX聲控功能啟動	關 / 低 / 高
T7	提示音功能啟動	開 / 關
T1	鍵盤鎖功能啟動	開 / 關
T4, T5	CTCSS 亞音頻 / DCS數字私線組合功能啟動	CTCSS / DCS
PS	省電功能啟動	
DW	雙守候功能啟動	
BC	繁忙頻道鎖定功能啟動	開 / 關
T6	頻道掃描功能啟動	開 / 關
T13, T12	發射訊號強弱顯示	
T8	功率輸出 H: 高	
T9, T10, T11, T12	接收訊號強弱顯示	
T2	監聽功能啟動	開 / 關
S1, S2, S3, S4	電量顯示	4級

3. 充電

3.1 充電

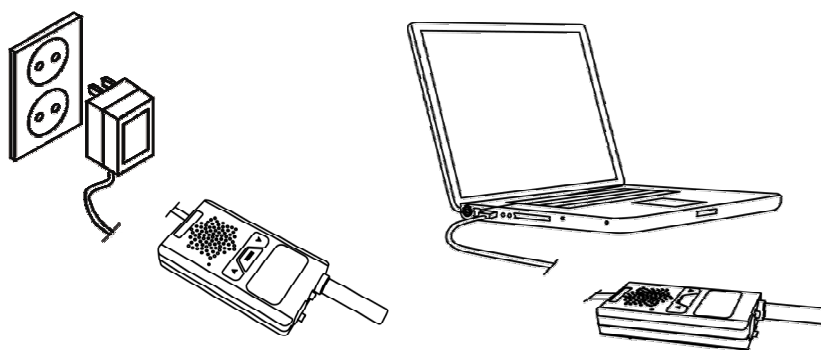
1. 把AC插頭接上電源
2. USB 線連接對講機
3. 充電時間: 3 - 5小時

或

1. 把USB線接入電腦
2. USB線連接對講機
3. 充電時間: 3 - 5小時

或

1. 將DC插頭插入充電座並將電源適配器接入110/220VAC電源
2. 將電池組放入充電座進行充電



4. 一般操作

4.1 開機/關機

持續按下電源制開機或關機

4.2 音量調較

按▲ / ▼ 鍵調較音量(共有16級)

4.3 頻道選擇

持續按下 “MODE” 鍵2秒進入頻道選擇功能，頻道號碼將會閃動，按▲ / ▼ 鍵選擇所需頻道，再按 ” PTT” 鍵確認。當持續按下▲ / ▼ 鍵時，頻道會不停地調上 / 調下

4.4 發射

持續按下 “PTT” 鍵對距離麥克風5cm講話，放開 “PTT” 鍵恢復接收狀態

4.5 接收

選擇所需的頻道，鬆開” PTT” 鍵進入接收模式，對講機處於接收模式時，用戶可以通過顯示屏上的接收訊號強度檢查對講機收狀態

4.6 監聽功能

持續按下MTR 鍵可取消靜噪以便監聽微弱訊號

4.7 CTCSS / DCS 亞音頻/數位亞音頻設置

持續按下 “MODE” 鍵進入 TONE SET 亞音頻/數位亞音頻設置模式，按▲ / ▼ 鍵選擇所需副頻，然後按下” PTT” 鍵確認 (如開啟此功能，收發雙方需選用相同的頻道、CTCSS / DCS代碼才能互相通話)

4.8 鍵盤鎖

同時按下MTR 及▲ 鍵可選擇開或關鍵盤鎖

4.9 VOX 聲控發射

持續按下 “MODE” 鍵進入 VOX SET 聲控發射模式，按▲ / ▼ 鍵選擇開 / 關聲控發射功能，然後按下” PTT” 鍵確認 (必需配合耳機麥克風使用)

4.一般操作

4.10 掃描

同時按下 **MTR** 及 **▼** 鍵可選擇開或關掃描功能

4.11 DW 雙守候功能

持續按下 “MODE” 鍵進入DW SET 雙守候模式，” DC” 將於LCD顯示閃動，按 **▲** / **▼** 鍵開 / 關雙守候功能，然後按下” PTT” 鍵確認。

4.12 LCD 背光燈

當按下任何鍵時(除” PTT” 鍵) LCD 背光燈將自動亮起 5 秒

4.13 CLONE 克隆功能

目的為將一部機（主機）之頻率等內容複製到另一部機裏（子機）

- 1) 同時按下開關制及 **▲** 鍵，” CL” 將顯示於主機顯示屏上
- 2) 同時按下開關制及 **▼** 鍵，” Pr” 將顯示於子機顯示屏上
- 3) 主機與子機以複製線連接，主機資料將自動复制到子機，完成後將顯示” PASS” 於主機顯示屏上
- 4) 將連接子機之複製線取出轉至另一部子機，按主機之” PTT” 鍵複製至另一子機

4.14 靜噪水平

持續按下 “MODE” 鍵進入SQL SET 靜噪水平模式，按 **▲** / **▼** 鍵選擇1 - 5級別靜噪功能，按下” PTT” 鍵確認(預設為1)

4.15 聲響

持續按下 “MODE” 鍵進入BEEP SET 聲響模式，按 **▲** / **▼** 鍵選擇開 / 關聲響功能，按下” PTT” 鍵確認 (預設為” 開”)

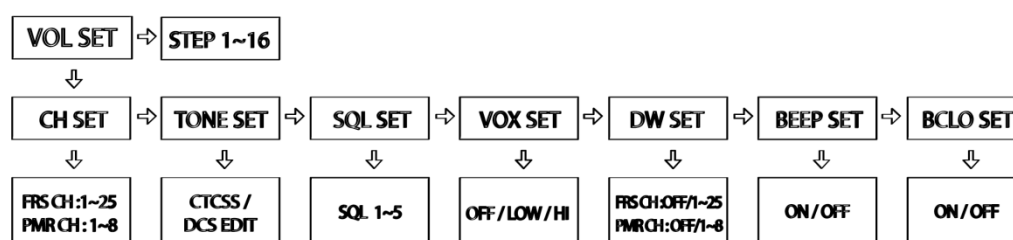
4.16 BCLO繁忙頻道鎖定

持續按下 “MODE” 鍵進入BCLO SET 繁忙頻道鎖定模式，按 **▲** / **▼** 鍵選擇開 / 關繁忙頻道鎖定功能，按下” PTT” 鍵確認

5.功能選擇

5.1 功能選擇

持續按下 “MODE” 鍵2秒可進入功能選擇，然後按 **▲** / **▼** 鍵選擇所需功能，按下” PTT” 鍵確認



1. GENERAL INFORMATION

1.1 Introduction

The CP183 Business Radio combines quality and versatility into a compact, light and portable two-way radio with state-of-the-art design and easy-to-use features.

1.2 Key Features

- 53 CTCSS and 104 DCS
- S.Q. Level control with 5 steps
- VOX Level control and On / Off
- D.W (Dual Watch)
- Key Lock
- Power Saving
- 0.5Watt High Power Speaker Output
- 3.7V 750mAh Li-Polymer High Capacity Battery – Light weight Li-Polymer battery with extended battery life
- Channel Scan – Scans for activity across different communications channels
- Monitor function – Enables monitoring for weak radio signals
- Busy Channel Lockout – Prevents the radio from listening to or transmitting over its channels
- RSSI – Receiving signal strength indication
- Battery Level Indicator
- Cloning – Enable transfer all settled menu to other units instantly or copy of them from other units
- Beep ON / OFF – Choose beep sound on or off when press buttons
- Back lighting ON / OFF – Back Lighting is on for 5 sec from any key touched lastly
- P / C Programming

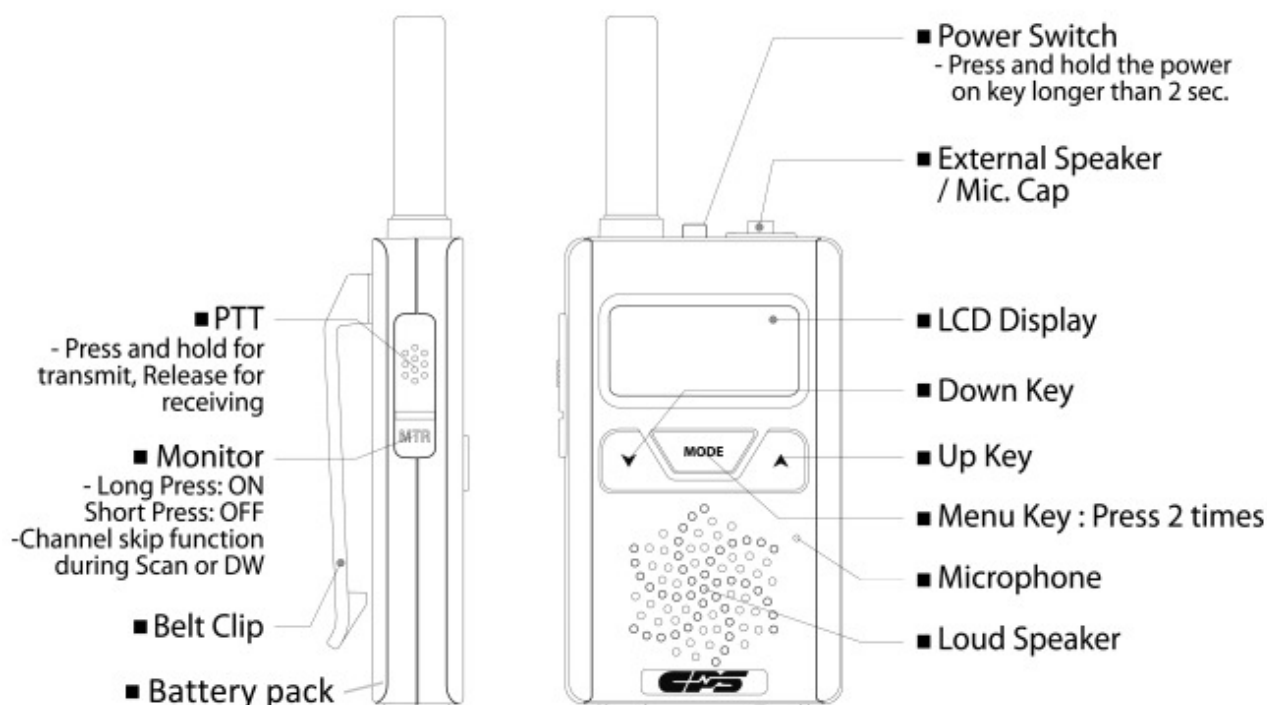
1.3 Accessories

- Mini-USB cable including CWC18 Charging adaptor
- CB18 Battery
- CS18 Charging stand
- Owner's manual

1.4 Optional Accessories

- External speaker / microphone

2. CONTROLS AND INDICATORS



	FEATURE	REMARKS
T3	Indicates the Vox On	OFF / LOW / HIGH
T7	Indicates the Beep Sound ON	ON / OFF
T1	Indicates when the keypad is locked	ON / OFF
T4, T5	Indicates the CTCSS / DCS is on	CTCSS / DCS
PS	Indicates the Power Saving is on	
DW	Indicates the Dual Watch is activated	
BC	Indicates the BCLO is on	ON / OFF
T6	Indicates the Scan is activated	ON / OFF
T13, T12	Indicates the Strength of TX Signal	
T8	Indicates the Power, H: High	
T9, T10, T11, T12	Indicates the strength of RX Signal	
T2	Indicates the Monitor feature is activated	ON / OFF
S1, S2, S3, S4	Shows battery condition	4 STEPS

3. CHARGING THE BATTERY

3.1 Charging the Battery

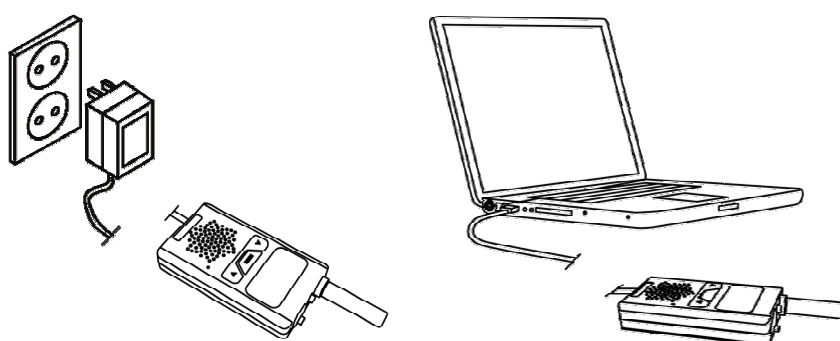
1. Plug the AC adaptor into the AC power outlet.
2. Connect the mini USB cable into the mini USB jack of the unit
3. Charge the radio. It will take 3 to 5 hours for full charging

Or

1. Plug the USB part of mini USB cable into the P / C
2. Connect the mini USB part of mini USB cable into the mini USB jack of the unit
3. Charge the radio. It will take 3 to 5 hours for full charging

Or

1. Plug the charger into 110/220V AC power outlet.
2. Insert the battery pack into the charging tray for charging.



4. OPERATION

4.1 Power On / Off

To turn the radio on, press and hold the power on key which is on the top of the unit longer than 2 sec. And to turn off the radio, press and hold the power on key longer than 2 sec.

4.2 Adjusting the Radio Volume

Adjust the volume level by using ▲ / ▼ key (16 steps)

4.3 Channel Selection

Press and hold the "MODE" button longer than 2 sec. to enter the channel selection mode. The "CH" will be blinking on the LCD. Select the channel number by using ▲ / ▼ key and press "PTT" button to confirm it. The channels will increase constantly in case press and hold ▲ key or the channels will decrease constantly when you press and hold ▼ key.

4.4 Transmission

Press and hold the "PTT" button while speaking at about 5cm from the microphone for transmission. Release the "PTT" button to return to stand by mode.

4.5 Reception

Select the wanted radio channel. If the CTCSS or DCS icon is blinking, it will indicate that the sender is using the same radio channel as you set with other pilot tone CTCSS / DCS code.

In this case, you need to change the channel number to others when you transmit.

4. OPERATION

4.6 Monitor

Press and hold **MTR** key for longer than 2 sec. to monitor weak radio signal and release **MTR** key to stop the monitor. The Monitor key works to skip the channel as well during Scan or DW, if you short press it.

4.7 CTCSS / DCS

Enter MENU mode by press and hold the "MODE" button longer than 2 sec. and select CTCSS / DCS menu by ▲ / ▼ key. CTCSS / DCS channel will be blinking. Choose the CTCSS / DCS channel by ▲ / ▼ key and confirm it by press "PTT". If you choose "Tone Off", "NO-TONE" will be displayed on the LCD.

4.8 Key Lock

Press **MTR** key and ▲ key at the same time to control Key Lock ON / OFF

4.9 VOX

Enter MENU mode by press and hold the "MODE" button longer than 2 sec. and CHOOSE "VOX MODE" by ▲ / ▼ key. The VOX Hi or VOX Low or VOX Off will be displaying on the LCD. Select VOX Hi or VOX Low or VOX Off by using ▲ / ▼ key then confirm it by press "PTT". "VOX ICON" will be displayed, in case you choose the VOX on.

The VOX will be performed when external Ear/Mic. is connected only.

4.10 SCAN

Press **MTR** key and ▼ key at the same time to select SCAN ON / OFF.

4.11 DW SCAN

Enter MENU mode by press and hold the "MODE" button longer than 2 sec. and choose "DW" by ▲ / ▼ key. DC will be blinking on the LCD. Select DW channel or DW off by ▲ / ▼ key then confirm it by press "PTT".

4.12 LCD Back Lighting

Back lighting will be ON every key you press except "PTT" and it will be OFF after long last 5 sec. from any key touched.

4.13 CLONE

Press Power ON and ▲ key at the same time of the host unit.

"CL---" will be displayed on the host unit.

Press power ON and ▼ key at the same time of the sub unit.

"PR---" will be displayed on the sub unit.

Connect the Clone cable between the host unit and the sub unit.

The program will be transferred to the sub unit automatically.

"Pass---" will be displayed on the LCD of host unit after complete of program transfer successfully.

In case to continue the program transfer to another unit, connect the Clone cable to another sub unit and press "PTT" to the host unit.

"Pass---" will be displayed on the LCD of host unit after complete of program transfer successfully.

4. OPERATION

4.14 Squelch Level

Enter MENU mode by press and hold the "MODE" button longer than 2 sec. and select the SQL mode by press "MODE" button continuously. Its SQL will be blinking on the LCD. Press ▲ / ▼ key to increase or decrease squelch level from 1 to 5.

In case, setting the radio to the tight squelch level, you can avoid unwanted signal or noise, but you may not receive a weak signal. Therefore, it will be recommended for you to select the normal squelch level. (Default value:1) Press "PTT" button to save the setting.

4.15 Beep

Enter MENU mode by press and hold the "MODE" button longer than 2 sec. and select the Beep mode by press "MODE" button continuously. Its Beep On / Off will be blinking on the LCD. Press ▲ / ▼ key to choose either beep on or off then confirm it by press "PTT" button. (Default is beep on)

4.16 BCLO

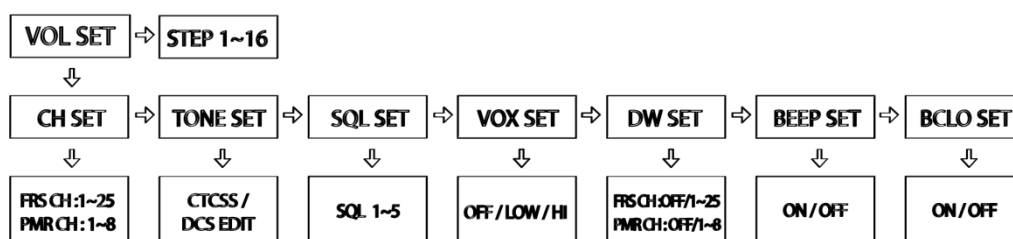
Enter MENU mode by press and hold the "MODE" button longer than 2 sec. and select the BCLO mode by press "MODE" button continuously. Its BCLO On / Off will be blinking on the LCD. Press ▲ / ▼ key to choose either BCLO on or off then confirm it by press "PTT" button.

5. MENU SETTING

5.1 Menu Setting

Enter Menu mode by press and hold the "MODE" key longer than 2 sec.

Choose desire menu by press ▲ / ▼ key and select the function then press "PTT" to save it



TECHNICAL SPECIFICATIONS 技術參數

General 一般

Channels 頻道數目	20 CHs	Temp. range 溫度範圍	-20°C - +55°C
Frequency range 頻道範圍	409.7500 ~ 409.9875	Frequency stability 頻率穩定	+/-2.5ppm
Battery type 電池類型	Lithium – Polymer	Size (W x H x D) 尺寸 (闊 x 高 x 深)	44 x 74 x 16.8mm
Battery capacity 電池容量	750mAh	Weight inc. battery 重量(包括電池)	65g
Operation Time 操作時間	10 hours	Sub tones 副頻	CTCSS / DCS
Stand by time 待機時間	21 hours		

Receiver 接收

Adjacent channel rejection 鄰道選擇性	55 dB
Inter-modulation 互調抗拒	55 dB
Spurious and image rejection 雜波及鏡像抗拒	55 dB
Noise 雜噪音	45 dB
Audio output @5% dist音頻輸出功率	500mW@8 Ohm

Transmitter 發射

Output Power 射頻輸出功率	0.5W
Spurious (Conducted) 雜散輻射	60dB
Mod. Distortion @ 1kHz 音頻失真	<3%

CTCSS / DCS TABLE

CTCSS表

CH	Frequency	CH	Frequency	CH	Frequency	CH	Frequency
1	67.0	14	107.2	27	167.9	40	159.8
2	71.9	15	110.9	28	173.8	41	183.5
3	74.4	16	114.8	29	179.9	42	189.9
4	77.0	17	118.8	30	186.2	43	196.6
5	79.7	18	123.0	31	192.8	44	199.5
6	82.5	19	127.3	32	203.5	45	206.5
7	85.4	20	131.8	33	210.7	46	229.1
8	88.5	21	136.5	34	218.1	47	254.1
9	91.5	22	141.3	35	225.7	48	165.5
10	94.8	23	146.2	36	233.6	49	171.3
11	97.4	24	151.4	37	241.8	50	177.3
12	100.0	25	156.7	38	250.3	51	60.7
13	103.5	26	162.2	39	69.3	52	62.5
						53	64.7

DCS表

CH	DCS Code	CH	DCS Code	CH	DCS Code	CH	DCS Code
1	023	28	172	55	431	82	743
2	025	29	174	56	432	83	754
3	026	30	205	57	445	84	036
4	031	31	223	58	464	85	053
5	032	32	226	59	465	86	122
6	043	33	243	60	466	87	145
7	047	34	244	61	503	88	212
8	051	35	245	62	506	89	225
9	054	36	251	63	516	90	246
10	065	37	261	64	532	91	252
11	071	38	263	65	546	92	255
12	072	39	265	66	565	93	266
13	073	40	271	67	606	94	274
14	074	41	306	68	612	95	325
15	114	42	311	69	624	96	332
16	115	43	315	70	627	97	356
17	116	44	331	71	631	98	446
18	125	45	343	72	632	99	452
19	131	46	346	73	654	100	454
20	132	47	351	74	662	101	455
21	134	48	364	75	664	102	462
22	143	49	365	76	703	103	523
23	152	50	371	77	712	104	526
24	155	51	411	78	723		
25	156	52	412	79	731		
26	162	53	413	80	732		
27	165	54	423	81	734		



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