

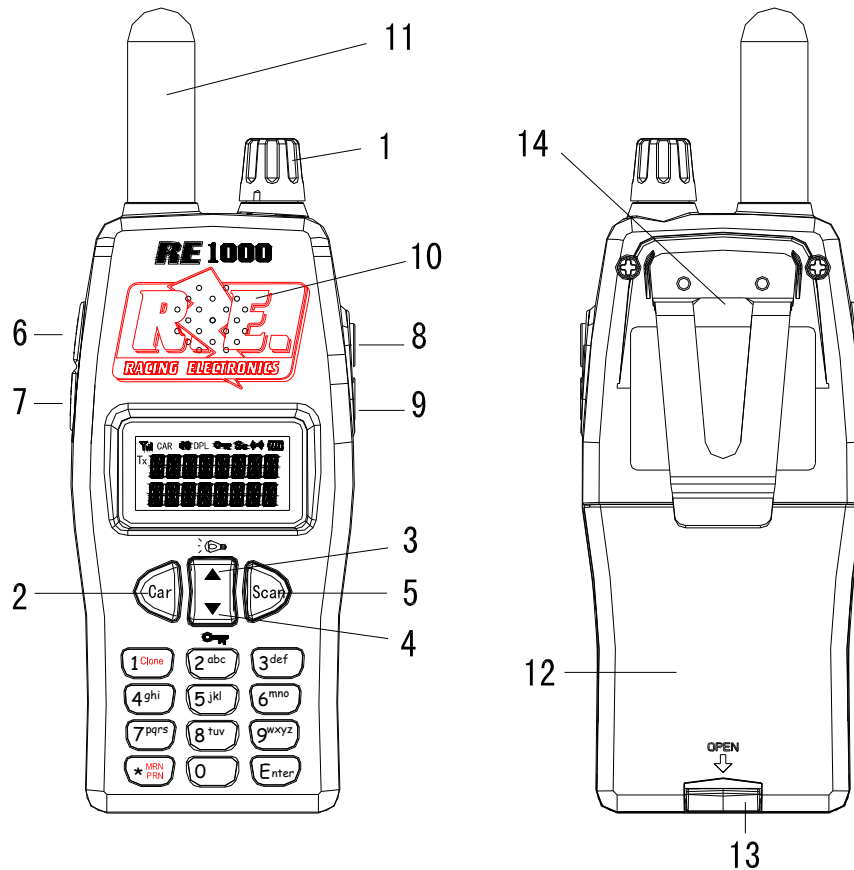
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## 1. GENERAL

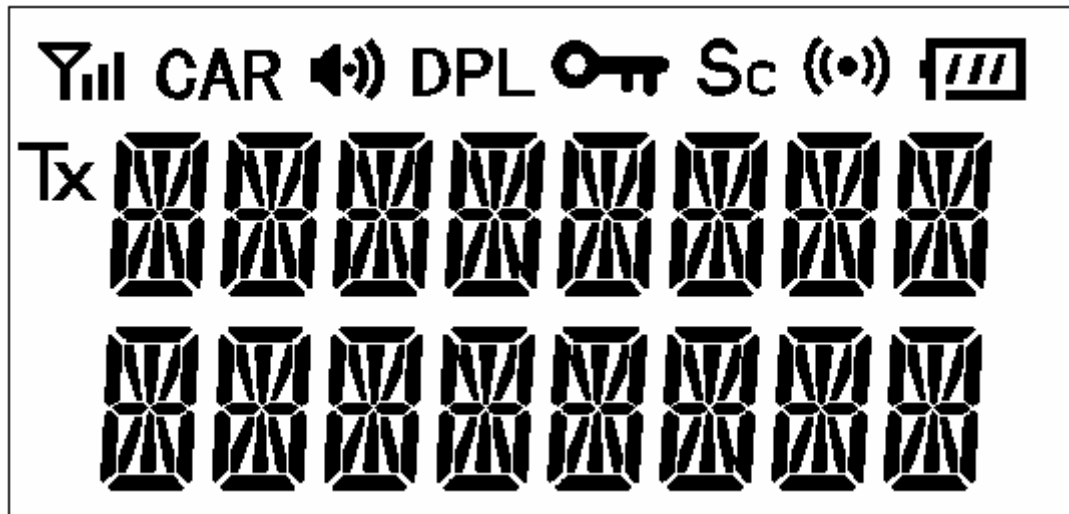
- + Frequency range: 400 - 480 MHz
- + Number of Channels: 200 channels
- + Channel Spacing: 12.5k
- + Battery: AAA batteries \* 3PCS
- + Data inputting to scanner: PC programmer, Clone








## 2. Know your scanner.



- 1) POWER & VOLUME SWITCH
- 2) Car Key
- 3) UP Key
- 4) Down Key
- 5) Scan Key
- 6) Function Key
- 7) SQ key
- 8) Earphone Jack
- 9) Programming Jack
- 10) Microphone
- 11) Antenna
- 12) Battery Door
- 13) Battery Lock
- 14) Belt Clip

### 3. LCD Full Display

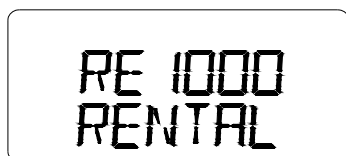


1.  .Operating channel, volume level indicator
2.  --- Receiving signal strength indicator.
3. CAR ---- CAR channel indicator
4.  ---Signal indicator
5.  --- “Key Lock” function indicator.
6. Sc ---- Scan List & scan function indicator
7.  ----Narrow band indicator
8.  --- Wide band indicator.
9.  --- Battery capacity indicator.

## 4. OPERATION

### 4.1 Power on/Power off

Turn “Power” knob clockwise to turn on the radio. Turn it with anti-clockwise to turn off the radio. The “click” sound to indicate the power On/Off. The LCD will indicate “RE 1000 RENTAL (see Figure (1), could be changed by PC program).



(1)

### 4.2 Volume Alignment

Press & hold “SQ” button, set the SQ off & speaker has the background noise on, tune the volume knob clockwise to increase speaker level. Tune the volume knob anti-clockwise to decrease speaker level.

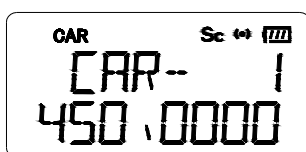
FCC Caution:

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
### 4.3 CAR channel Select

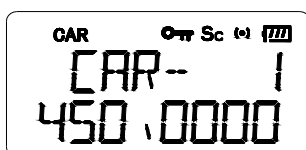
Press “Digit” + “Enter” buttons to the desired CAR channel, (1~ 200 car channels), Press “▲” or “▼” button to choose the previous or next CAR channel. ---Press and hold “F” button can check frequency (see LCD indicator Figure (2)). LCD shows the driver name of the car channel if it has been programmed. When pressing the “▲” or “▼” button, radio will skip the car channel that is not programmed. Typing the CAR channel number, the frequency will flash, then press “Enter” to store this setting. Pressing “F” + “CAR” , users could set PL/DPL for each CAR channel.



(2)

### 4.4 Key-lock

Press and hold the “F” button, then press “▼” button to the Key-lock function on, press again to quit this function. When key lock is on, the icon “” will on, it will disable all the buttons except “F” , “▼” “ & “SQ”.(See LCD indicator in Figure (3) )

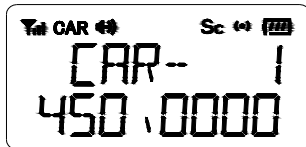


(3)

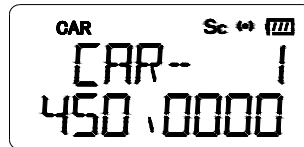
### 4.5 CAR channel Scanning function

At CAR channel mode, press “SCAN” button to scan the “CAR Scan List”, press “▲” or “▼” button to choose the scan channel frequency increasing or decreasing. Press “SCAN” button again will stop the scan function, and will go back to the channel before scanning. But if signal received during the scanning, pressing “SCAN” button, radio will stop at this channel. (See LCD indicator in Figure (4-1))

The scan frequency shows & icon [Sc] flashes during scanning, it will stop if signal received. When signal disappears, it will hold two seconds then continue the scan function.(See LCD indicator in Figure (4-2) )



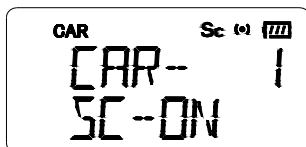
(4-1)



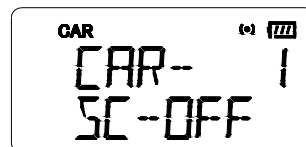
(4-2)

#### 4.6 CAR Scan List Setting

Press “▲” or “▼” button to choose the desired CAR channel , press “F” + “SCAN” buttons to add into or delete from the scan list. The LCD “Sc” icon turns on when this CAR channel is set into Scan List. (See LCD indicator in Figure (5-1) & (5-2) )



(5-1)

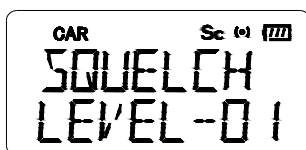


(5-2)

#### 4.7 Set squelch level

Press “F”+“2” buttons to the SQ level setting mode. Press “▲” or “▼” button to choose level 1~3 (Level 1 has the highest sensitivity) , press “Enter” button to store the setting & go back to previous channel. The default setting is level 1 which is programmed by program software(See LCD indicator in Figure( 6) )

Note: During this setting, “SCAN”, digit buttons will be disabled, and error tone will be heard when pressed.



(6)

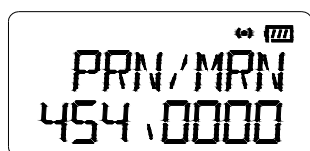
#### 4.8 Set battery saving

Set by PC programmer. The cycle of battery saving are as below: Level 1 is 100ms on & off, Level 2 is 100ms on & 200ms off, Level 3 is 100ms on & 300ms off, level 0 is on all of time.

#### 4.9 Set To [MRN] Station

Press “F” +” MRN “ buttons to [MRN station], Press “F”+” MRN“ buttons again will go back to previous channel. The MRN frequency could be changed by PC programmer. This channel has to be program by program software only, the LCD indicate [PRN/MRN] in this mode.(See LCD indicator in Figure (7) )

Note: At the “MRN” mode, press “SCAN” button, it will go to car channel scanning.



(7)

#### 4.10 Set radio's channel spacing

Could be set by PC programmer. The (•) icon is 12.5KHz channel spacing. The (••) icon is 25KHz channel spacing.

#### 4.11 LCD Back light

Press “F”+  to turn on the back light, Press “F” +  button again to turn off .

#### 4.12 Reset

Press & hold “F”+“SQ” buttons & turn on the power switch. The reset function are including CAR channel, name, tone squelch, 450MHz regular frequency, battery saving.LCD full display during reset on.

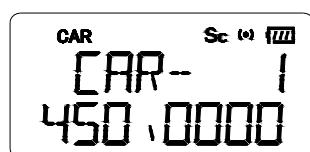
### 5. CAR CHANNEL SETTING

Press “F”+“CAR” to enter in the setting menu. There are four settings in the setting menu: CAR channel frequency, CAR channel name, PL/DPL , LOCK OUT.

#### 5.1 Frequency setting

Type the frequency by keyboard, then press enter to store the setting and go to next setting. The [CAR] icon will be flashing & indicate the CAR number/ [operating frequency] during the frequency setting,(see LCD indicator in Figure (8-1) )

Note: If typed frequency is out of the frequency range, it will go back to the previous frequency. If the typed frequency is wrong in step, it will go to the right frequency automatically. For example, when channel spacing is set to 12.5Khz, key in [450.0125] will be accepted, key in [450.0010] won't be accepted and will go to [450.0000] automatically.

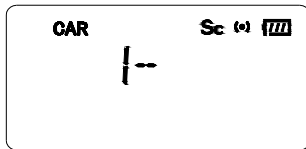


(8-1)

#### 5.2 Channel name setting

Type the channel name, then press “ Enter” button to store the setting and go to the next setting. When typing the channel name, press “ Sc” button to store the typed letter and go to the next letter, and press” CAR” button to delete the typed letter. It will indicate the CAR number & driver name during this [Driver Name] setting mode (each digit be flashing before edit).( See LCD indicator in Figure (8-2) )

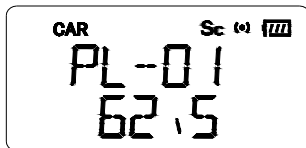
Note: The name length could be 12 letters. And name letters are all in capital.



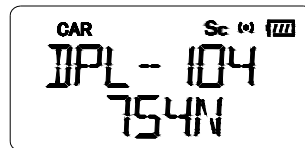
(8-2)

### 5.3 PL/DPL setting

Press “▲” or “▼” button to choose 51 PL tone or 104 DPL codes. Press “Enter” to store the setting and go to the LOCK OUT setting. The LCD will show the PL tone or DPL code. (See LCD indicator in Figure (8-3) & (8-4) )



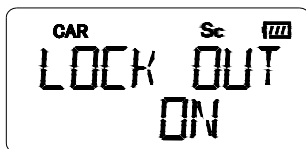
(8-3)



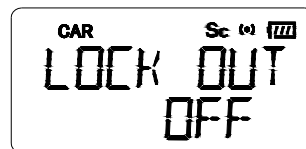
(8-4)

### 5.4 LOCK OUT setting

press “▲” “▼” to choose ON /OFF. When CAR CHANNEL is set to LOCK OUT ON, press “▲” or using scan function, the LOCK OUT channel would be skipped. (LCD indicator in Figure (8-5) & (8-6) )



(8-5)



(8-6)

**Note:** During all these settings, press “F” + “CAR” button to store the settings and exit the setting menu. After each setting, if no button pressed within 10 seconds, it will quit the setting & go back to the channel before setting.

## 6. Programming

Connect the radio to PC through program cable, then you can go to the programming mode. The LCD show [PROGRAM] indicator when programming the data. (See LCD indicator in Figure (9) )



(9)

## 7. Clone

- (1) Press “F”+“1” buttons to the clone mode.
- (2) Connect the clone cable between two radios through 2.5 φ stereo jack.
- (3) Once using the Clone, pressing “Enter” button, the radio will enter into the Master mode and

send the data to another radio, and the other one will be like programming. Press "Enter" again, radio will perform the clone function again. Or press "F" button, it will quit the cloning mode.

(4) During this mode, the master's LCD will show [CLONING] indicator, and the programming radio will show [PROGRAM]. After data cloned, the master's LCD will show [CLONE], and the programming radio will show [PROGRAM SUCCEEDED] or [PROGRAM FAILED] then go back to normal mode.

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