FM/DAB+ Digital Tuner

T8

FM/DAB+ Digital Tuner

Owner's Manual

FM/DAB+ Dual Band
High performance digital RF receiver
RDS Infomation Decoder
Optical Audio Output
Direct Frequency Input

SAFETY INSTRUCTION

⚠ Warning: Lists important safety precautions that should be read prior to use.

WARNING : Please unplug the unit during electrical storms or when unused for long periods of time.

CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	**CAUTION :** To reduce the risk of electric shock, do not remove cover(or back). No user-serviceable parts inside, refer servicing to qualified personnel only.
⚡	This symbol alerts the user to the presence of un-insulated "dangerous voltage" within the product's enclosure, which may be sufficient to constitute a risk of electric shock.
⚠	This symbol alerts the user to the presence of important operating and maintenance instructions in the literature accompanying the apparatus. Please read.

⚠ **WARNING :** To avoid the risk of fire or electric shock, do not expose the apparatus to rain or moisture.

SAFETY GUIDE

All the safety and operation instructions should be read before any operation the device begin. Be sure to retain this manual in a safe place for any future reference needs.

1.Power Supply: To reduce the risk of electric shock or fire, please unplug the unit during electrical storms or when unused for long periods of time.

2.Power Cord and Plug : Do not tamper with the power cord or plug. Do not remove the ground connections !

3.Ventilation : Do not block ventilation openings. Failure to do so could result in fire. Always install in accordance with the manufacturer's instructions.

4.Water & Moisture : The apparatus should be protected from moisture and rain. Do not use near water for example, near bathtub, kitchen sink or a swimming pool, etc. electric shock could cause injury or death.

5.Heat : The apparatus should be located away from heat sources such as radiators, stoves or other appliances that produce heat.

6.Electric shock : Never spray liquids directly into the component's vent openings. Care should be taken so that small objects do not fall into the inside of the Device.

7.Open : Never attempt to disassemble, repair or make any modification to your device. Disassembly, modification or any attempt at repair could cause bodily injury or property damage.

8.Cleaning : Clean only with a dry cloth. Do not use any solvents.

CONTENT

Thank you for purchasing this SilkLine product. To ensure proper operation, please read this owner's manual carefully before using the product. After reading this manual, be sure to keep it for future reference.

UNPACK

UNPACK：

The unit should reach you in flawless condition. If you notice any shipping damage or other issues upon unpacking the unit, please contact your retailer immediately.

It is important to save all the packing materials and the box in case the unit ever needs to be moved.

Carefully unpack the unit. always keep all accessories and components out of the reach of small children as small parts might present a choking hazard.

Check that the following parts are supplied with the product.
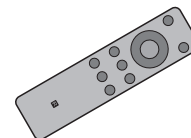
Accessories: Manual X 1, Remote X 1, Power cord X 1, Antenna X 1

2

FRONT PANEL & REAR PANEL

SILKLINE   HI-FI Digital technology processor system
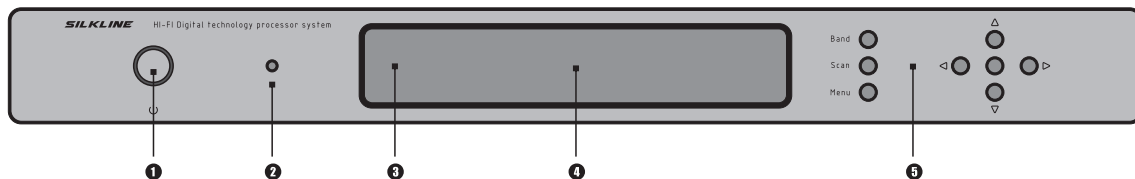
Band
Scan
Menu

❶ Power switch
❷ Standby indicator
❸ Remote sensor
❹ Screen
❺ Function button

Function button :

Band : Change band
Scan : Auto scan radio
Menu : Menu key

○ : Enter key
◁ : Left key
▷ : Right key
△ : Up key
▽ : Down key

Model	Digital Tuner Receiver
Power	AC 220~240V 50/60Hz
Fuse	T500mAL 250V
	Made in China

ANTENNA

ANALOG OUTPUT   L   R

OPTICAL DIGITAL OUTPUT

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

AC INPUT
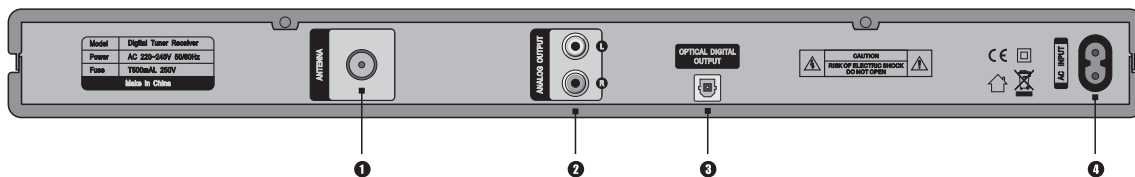
❶ FM/DAB Antenna

❷ RCA Analog audio output
❸ Optical digital audio output

❹ AC inlet

REMOTE CONTROL

POWER   MENU

❶
❸   ❹
❺   ❻
                               ❼
❽   ❾
                               ❿

BAND   STEREO   SCAN
1/2   3/4   5/6

INFO   MUTE   DIRECT
7/8   9/0/10   PRESET

IR

REMOTE SYSTEM
REM-08

❶ Power Key(POWER)

❷ Menu Key(MENU)

❸ Menu Direct Key

❹ Menu Enter Key

❺ Band Key(BAND)
Fn:Short Press Key 1, Long Press Key 2

❻ Stereo Mode Key(STEREO)
Fn:Short Press Key 3, Long Press Key 4

❼ Auto Scan Key(SCAN)
Fn:Short Press Key 5, Long Press Key6

❽ Info Key(INFO)
Fn:Short Press Key 7, Long Press Key 8

❾ Mute Key(MUTE)
Fn:Short Press Key 9, Long Press Key 0/10

❿ Direct Freq input Key(DIRECT) /Preset
Key(PRESET)

⌂ **Work in Second Function[Fn]:**
Press❿ Enter Direct Freq input Mode(DIRECT)
Press❿ Enter Preset Mode(PRESET)
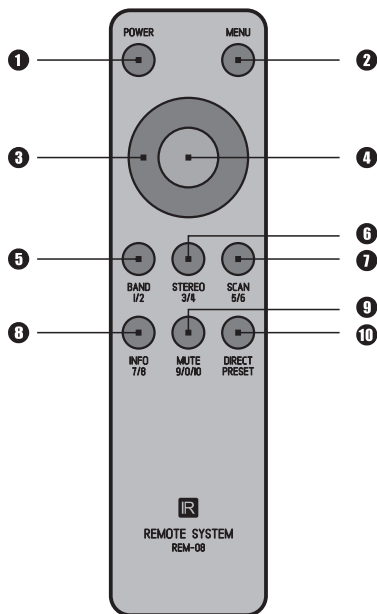Long Press❹ Enter Save Preset Mode(SAVE)

Operating Range

To use the remote controller, point it at the
device's remote control sensor, as shown
below.

7m

30°

Note: The remote controller may not work reliably if the
device is subjected to bright light, such as direct sunlight
or invertertype fluorescent lights. Keep this in mind when
installing.

Inserting the batteries

1. Remove the rear lid.
2. Insert two batteries correctly into the
   battery compartment as indicated.
3. Put the rear lid back on.

CONNECTION

Antenna

AC220V 50Hz

Audio Output

Audio Input
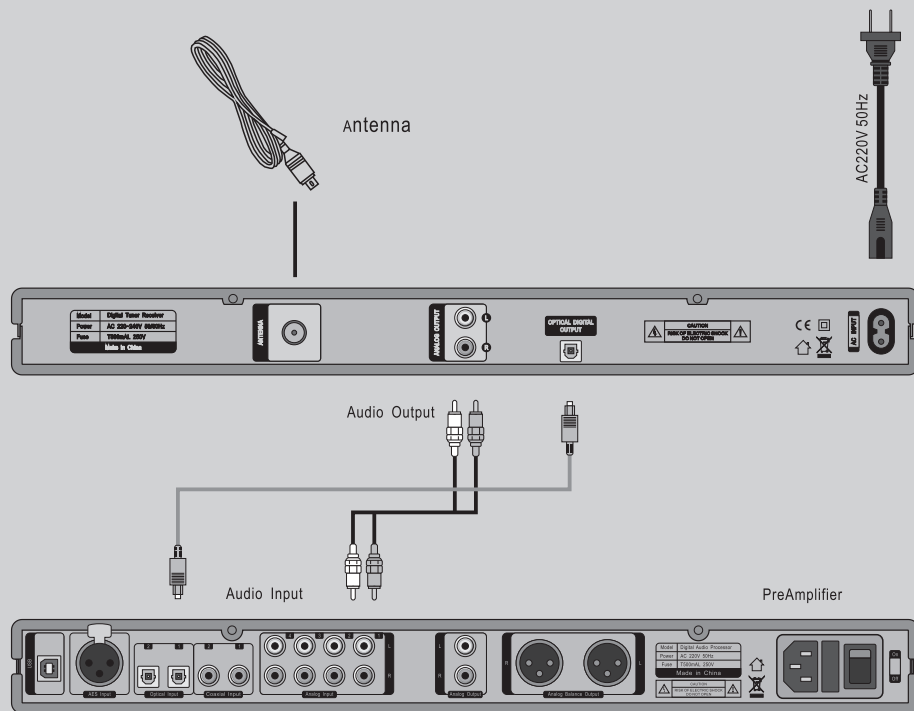
PreAmplifier

NOTE

1. Please power off all device, when con-nectting.
2. When connet the analog audio,Please right connect the left and right channel.
3. Connect the speaker, Please re-ference to Amplifier manual.
4. Please keep the Radio ANT out off the TV,WIFI,or other RF device.

POWER

For safety,Please power on or power off the device in a safe sequence, If not used for a long time, Please unplug the power cord, and do not leave the device on standy for a long time.

1. Power on device

After completeing the connection, Press the **switch** on front panel to ON, The device will start. And enter the welcome UI (The UI will vary depend on the model).

```
    SilkLine T8
    FM/DAB Tuner

⇨  FM:     98.00MHz
      Auto Stereo
```

2. Power off device

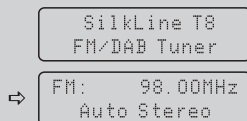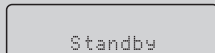When the device on working, Press the **switch** on front panel to OFF, The device will power off. When the device on working, Press the **POWER** key on remote, The device will enter standby.
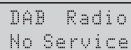
```
      Standby
```

Press the **POWER** key on remote, The device will exit standby and power on again.

BAND

The device have FM/DAB dual band, You can change the band to receive different programe.

☞ Operation

Press the **BAND** key on front panel or remote, and select the FM or DAB band.

```
 FM:     98.00MHz      ⇨   DAB  Radio
     Auto Stereo               No Service
```
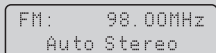
MENU

On menu, Press the **MENU** key to change the different item. And user can adjust the parameter by **LEFT/RIGHT/UP/DOWN** or **OK** key.

☞ Operation

Menu Item :

Stereo Mode
-------- Mono
-------- Auto Stereo
FM Stereo Gate
-------- Level 0-8
Output Level
-------- 1-8
Dim
-------- 1-8
Keyboard Lock
-------- Unlock
-------- Lock
About Me
-------- SilkLine T8
-------- Ver:01A(CN)
System Reset
-------- Are you sure?

Stereo Mode :
On current menu, Press **OK** to select the FM Stereo mode.

FM Stereo Gate :
On current menu, Press **UP/DOWN** to change the gate of FM stereo. When the gate is low, It will work in stereo mode easy.

☞ Operation

Output Level
On current menu, Press **UP/DOWN** key to adjust the level of analog output.

Dim :
On current menu, Press **UP/DOWN** key to adjust the display brightness.

Keyboard Lock :
On current menu, Press **OK** to select lock keyboard function. This function will auto cancel after device reboot.

About Me :
On current menu, Press **OK** for browse the information of the device.

System Reset :
On current menu, Press **OK** to implement reset function. The device will reset all parameter to factory default. And then reboot.

Scanning FM

FM support scan once or auto scan function, And auto scan function support auto save the frequency to the preset memory, When it is a valid radio.

☞ FM Scan once

Long presss **UP/DOWN** key on the panel or on the remote to scanning once.

```
FM:    98.00MHz
    Auto Stereo
```
⇨
```
FM:    98.50MHz
    Auto Stereo
```

For save the current new frequency, Please refercence to MEMORY saving.

☞ FM Auto scan

Long presss **SCAN** key on the panel or remote, The device will enter scanning state, Hold the key continue will start auto scanning.

```
FM:    98.00MHz
    Auto  tuning
```

In scanning state, The device will start at lowest frequency, When scan a valid radio, Device will play the sound about 2S, And save from memory preset 1.

```
FM:    87.50MHz
    Auto Stereo
```
⇨
```
FM:    88.00MHz
    Auto Stereo
```
⇨
```
FM:    88.00MHz
    Save  01
```

When reach to the max frequency or memory is full, The scanning will exit.

Scanning DAB

In DAB, Support LOCAL/FULL scan function, After finish DAB Scanning, Device will creat a list, And allocated an index for every radio, All the DAB function is basic on this list.

⚠ **First use, must be run LOCAL/FULL scan and creat the list.**

☞ DAB Local scan

Press the **UP/DOWN** key on the remote to change the frequency (Appendix table "DAB Freq").

```
Select  Freq
5A   174.928MHz
```

After select the frequency, Press the **SCAN** key will enter scanning state, Hold the key continue will clear the old data and start auto scanning.

```
Local Scan
Clear Data
```
```
Local Scan
5A
```

When scanning complete, Device will creat a radio list, And display the total sevice num on screen.

```
Scan Found
Total Service:20
```

☞ DAB Full scan

Long press the **SCAN** key on the panel or remote, The device will enter scanning state, Hold the key continue will clear the old data and start auto scanning.

```
Full  Scan
5A-->13F
```
⇨
```
Full  Scan
Clear Data
```

In scanning state, The device will auto scan from 5A to 13F, And save form memory preset 1.

```
Full  Scan
5A   174.928MHz
```
⇨
```
Full  Scan
13F  239.200MHz
```

When scanning complete, Device will creat a radio list, And display the total sevice num on screen.

```
Scan Found
Total Service:20
```

DIRECT INPUT

Use Direct input frequency function, We can change the radio frequency quickly.

☞ FM

Presss **DIRECT** key on remote enter direct input frequency state.

```
FM Frequency
___.__MHz
```

Using NUM key (**1-0/10**) to input the radio frequency.

```
FM Frequency
8_.__MHz
```

If the input number is out of range, Device will ignore currenct input, and wait for next.
For example: When user input **8-8-0/10-0/10**,device wil display:

```
FM Frequency
88.00MHz
```

After complete input, Device will jump to the input frequency, And return to play mode.

☞ DAB

We konw, After local/full scanning complete,Device will creat a radio list, Accord to list's index, User can change the radio station by direct. Presss **DIRECT** key enter direct input state.

```
DAB Index
___
```

Using NUM key (**1-0/10**) to input the radio index. If the input is out of max range, Device will auto set to the max index.

For example: When user input **0/10-0/10-8**,device wil display:

```
DAB Index
008
```

After complete input, Device will jump to the input index, And return to play mode.

MEMORY

User can save the favorite radio to memory. So that you can tune them in easily.

☞ SAVE

Long press the **OK** key on panel or remote, Device enter save preset mode.

```
FM:   98.00MHz
Save __
```

On save mode, Press the **LEFT/RIGHT** key on panel to change the preset position.
Or press the NUM key (**1-0/10**) on remote to input the preset position.
For example: When user input **0/10-0/10-8**, Device wil display:

```
FM:   98.00MHz
Save 28
```

After complete input, Device will wait 2S, and save the frequency to the input preset, And then return to play mode.

☞ CALL

Press the **LEFT/RIGHT** key on panel or remote to change the preset position.
Or presss **PRESET** key on remote enter call preset mode. and then press the NUM key(**1-0/10**) on remote to input the preset position. For example: When User input **0/10-0/10-8**,device wil display:

```
FM:   98.00MHz
Call 28
```

After complete input, Device will wait 2S, And call the preset frequency to the currenct frequency, And then return to play mode.

CHANGE RADIO

Change the FM frequency or the DAB index by manual.

☞FM

Press the **UP/DOWN** key on panel or remote to change the currenct frequency.

```
FM:    98.00MHz
    Auto Stereo
```
⇨
```
FM:    98.05MHz
    Auto Stereo
```

☞DAB

Accord the DAB list, Press the **UP /DOWN** key on panel or long press the **UP/DOWN** key on remote to change the preset position.

```
Tuning ...
Index    2
```
⇨
```
Prog 8
Index: 002/020
```

STEREO

In FM, Use this function can set the device work in auto stereo or mono.

☞Operation

Press the **STEREO** key on remote to change the stereo mode(or change by **MENU**).

```
Stereo  Mode
    Mono
```
⇨
```
Stereo  Mode
  Auto Stereo
```

MUTE

Turning off the sound temporarily.

☞Operation

Press the **MUTE** key on remote, To disable the sound output, Press this key again, Will exit mute state.

```
FM:    98.00MHz
    Auto Stereo
```
⇨
```
FM:    98.00MHz
      Mute
```

INFOMATION

In FM mode, If you listen a RDS radio boarecast, The device can receive the RDS infomation and display on screen.
In DAB mode, The device can display Ensemble/Programe/... on screen.

☞FM RDS

Press the **OK** key on panel or **INFO** key on remote to change the RDS type(RDS PTY–>RDS PS–> RDS Text–> Exit).

PTY
```
FM:    89.30MHz
PTY   [Info   ]
```

PS
```
FM:    89.30MHz
PS   [89.3    ]
```

TEXT
```
FM:    89.30MHz
Welcome To Use C
```

After finish select , Device will auto receive the information on the boardcase, And it will auto update on the screen.

☞DAB Info

Press the **OK** key on panel or **INFO** key on remote to change the information type (Total Service–> Frequency–> Ensemble–> Programe–>Data Rate–>Exit).

Total Service
```
DAB  Total
  20 Service
```

Frequency
```
DAB  Frequency
5A    174.928MHz
```

Ensemble
```
DAB Ensemble
SydMux1
```

Programe
```
DAB Prograne
Prog 8
```

Data Rate
```
Data  Rate
  128 Kbps
```

After finish select , Device will return to playback mode, and display the information on line 2.

SPECIFICATION

1. Function

Band --- FM,DAB/DAB+
FM RDS Item -- PTY,PS,Text
Audio Output --- 1 X Analog RCA
--- 1 X Optical

2. Parameter (Test Condition : AC 220V/50HZ)

FM Frequency Range -------------------------------------- 87.5-108.0(MHz)
DAB Frequency Range ----------------------------------- 174.0-240.0(MHz)
Output Level --- 500mV
FM Sensitivity -- -106dBm
DAB Sensitivity --- -99dBm
FM S/N Ratio --- 50dB
DAB S/N Ratio --- 72dB
FM Distortion -- 0.03%
DAB Distortion --- 0.03%
FM Seperation -- 50dB
DAB Seperation --- 72dB

3. Dimension & Weight

Dimension -- W: 430mm
-- H: 44mm
-- D: 200mm
Weight --- 3Kg

DAB FREQ.

5A-------174.928MHz	8C-------199.360MHz	11C------220.352MHz
5B-------176.640MHz	8D-------201.072MHz	11D------222.064MHz
5C-------178.352MHz	9A-------202.928MHz	12A------223.936MHz
5D-------180.064MHz	9B-------204.640MHz	12N------224.096MHz
6A-------181.936MHz	9C-------206.352MHz	12B------225.648MHz
6B-------183.648MHz	9D-------208.064MHz	12C------227.360MHz
6C-------185.360MHz	10A------209.936MHz	12D------229.072MHz
6D-------187.072MHz	10N------210.096MHz	13A------230.784MHz
7A-------188.928MHz	10B------211.648MHz	13B------232.496MHz
7B-------190.640MHz	10C------213.360MHz	13C------234.208MHz
7C-------192.352MHz	10D------215.072MHz	13D------235.776MHz
7D-------194.064MHz	11A------216.928MHz	13E------237.488MHz
8A-------195.936MHz	11N------217.088MHz	13F------239.200MHz
8B-------197.648MHz	11B------218.640MHz	

TIPS

If you have any trouble using the device, look for a solution in this section.
If the issue still exist, Please disconnect the power and contact the store
where you purchased this unit.

ISSUE	CHECK	TIPS
No Display	● No power supply ● Power switch is OFF	● Check the power cord ● Press power switch to ON
Remote not working	● Battery is low ● Out of distance or angle	● Replace battery with new ● Close to the device
No Audio Output	● Cable is loose connection ● Mute function is ON	● Check all connections ● Turn OFF mute function

Notice: For purposes of improvement, specifications and design are
subject to change without notice.

PURE PERFECTION

GuangZhou SilkLine Electronic CO,Ltd.
HotLine： +86-20-29072299
Site： www.silkline.com.cn
Copyright 2024,T8(2B0N-C002-01)