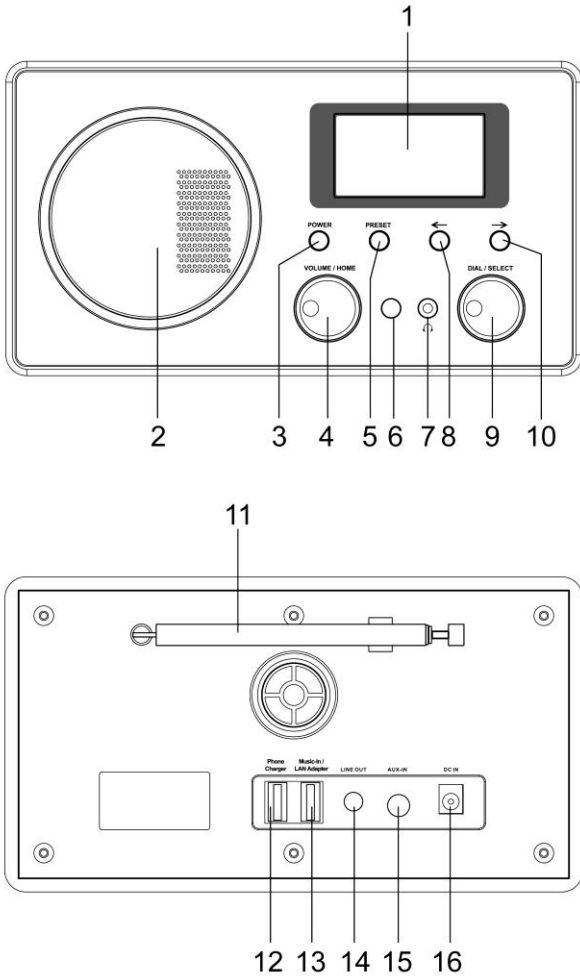


# User Manual

MS-280i

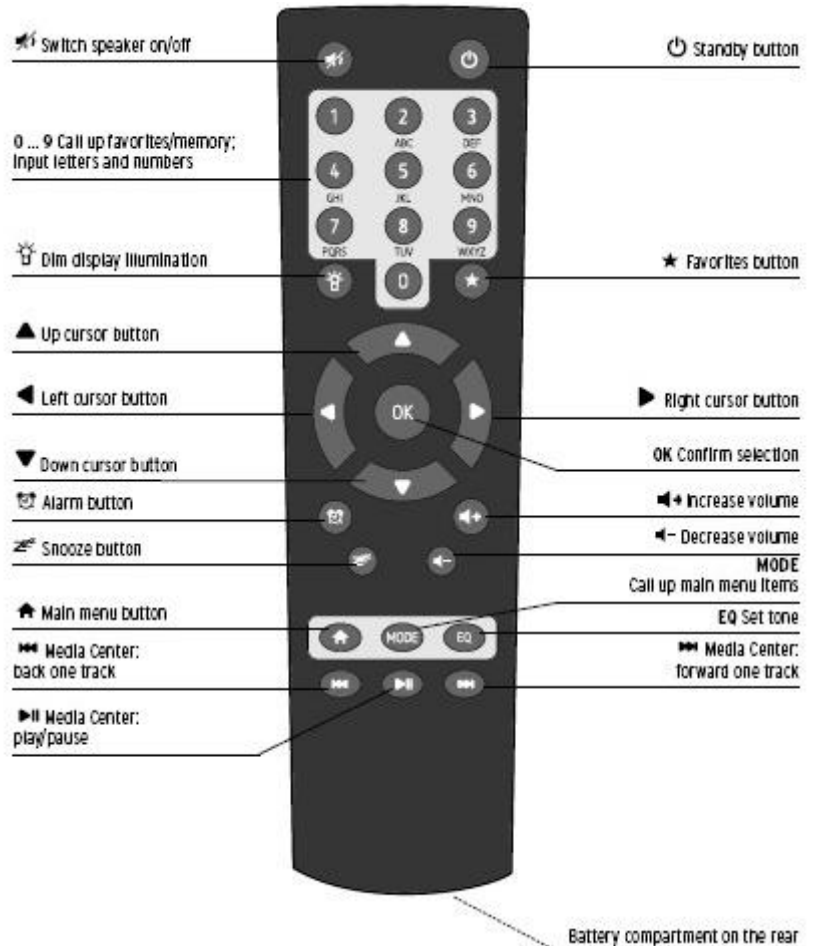
Please read this user manual carefully before using the receiver.

## LOCATION OF CONTROLS



1. LCD Display
2. Speaker
3. POWER Press to stand by ON/OFF
4. VOLUME/HOME Dial to increase the volume level or decrease the volume level. Press to back the main menu.
5. PRESET Press to store and hold to recall the favorite stations.
6. Remote lens
7. Earphone jack
8. ← Press to go to the previous station or go back to the up menu.
9. DIAL/SELECT Dial to find the different menus and press to confirm the choice.
10. → Press to go the next station or enter the submenu.
11. Telescope antenna
12. Phone charger (5V)
13. LAN adaptor/USB playback
14. Line out Jack
15. Aux-In jack
16. DC Socket

## Remoter controller:



NOTE:

FCC Statements

NOTE: Changes or Modifications not expressly approved by the party responsible could void the user's authority to operate this device.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

# SETTING UP

Those steps for connecting your radio to your network

## Step 1 Switching on the radio

Plug the cable from the AC adapter into the socket labeled DC on the back of the radio, then power on the radio.

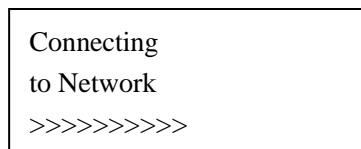
Caution: Use only the mains adapter supplied with the radio. Connecting a power supply with a different rating will cause permanent damage to the radio and may be hazardous.

The display on the front of the radio will light up and say:



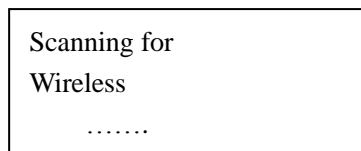
CC WiFi 2

Then show



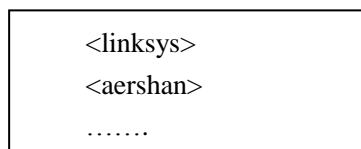
Connecting  
to Network  
>>>>>>>>>>

After a few seconds, it will show:



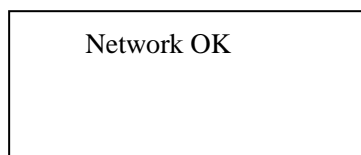
Scanning for  
Wireless  
.....

If it complete the initialing, it will auto scan the ESSID as



<linksys>  
<aershan>  
.....

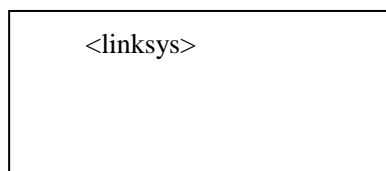
Then it will list all the ESSID names it can find, you can select one of you want to use, maybe it will request you input the correct WEP(Wired Equivalent Privacy) or WPA(Wi-Fi Protected Access) code. If your network is not configured to need a WEP or a WPA code, the unit will connect to the ESSID auto and success as



Network OK

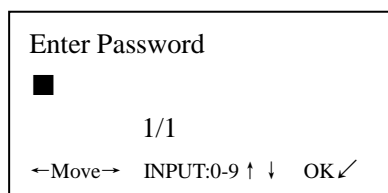
Or if you are requested to input the encryption, you can do as below

1. Select the one you want to use



<linksys>

2. Then it will show you

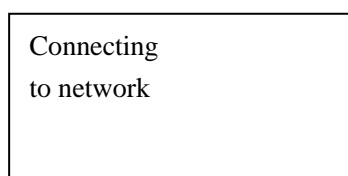


Note: The encryption code would have been set up by the person who set up and configured your network.

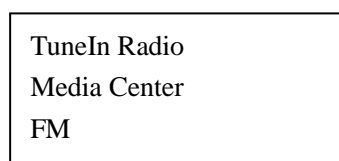
After 3 seconds the display goes into the code entry mode or press “enter”.

Please refer to the 1.2.5 to know clear of the “Remote control character list” for you to enter the passwords. Press “→” button to go to the next word, press “←” button to delete the wrong word you have entered.

3. If you complete the key then you can use “Enter” to confirm. The display shows “Connect WiFi” as the radio connects to the network.



4. If the connecting is OK, it will show you



## Function

### 1.1 Tuneln Radio

You can listen to the interne radio under this section. There are several methods to browse the stations.

- Browse Presets
- Browse WEB Presets
- Browse Stations
- Search station

- History

Normally, you can choose “Browse Stations” to view the broadcast radio from different countries under the submenu “By Location”.

When the radio name shows on the display, you can press “→” button to active below operation.

#### **Add to preset**

- i. Press “DIAL/SELECT” to store the current station into my favorite. User can store 20 stations.
- ii. User can recall the station by press number 0-9. Or press “★” from the remote controller to see the favorites list, then choose the stored station which you want to listen and press “DIAL/SELECT” to confirm.

#### **Auto scan**

Auto scanning the every station from the currently list for your review in 30 seconds again and again until you confirm the one you need.

Remark: Press ‘Select’ button or the “OK” button on the remote to stop station scanning and remain on the currently one.

#### **Play**

Play the current radio station.

## **1.2 Media Center**

#### **USB**

Play the music from the USB driver.

#### **UPNP**

Visit the shared folder from your PC.

#### **My playlist**

User can view the playlist under this menu.

#### **Clear my playlist**

User can clear the playlist under this section.

## **1.3 FM**

#### **Station selecting**

1. You can press “0, 1–9” of the remote and enter the station selecting menu, and go with the shortcut into the station which you like to listen. (1-20) .
2. You can press “Preset” button and enter the station selecting menu, Dial the “VOLUME/SELECT” or “↑”&“↓”to select FM station (1-20), and press ‘Select’ button to recall FM station.
3. You can press “Left” & “Right” buttons to turn to the Previous/ Next FM presetting station.
4. 20 maximum storage of FM station.

Remark :Press “Left” and “Right” buttons to do the FM stations switching and it will turn to the 1st station if the currently one is not the presetting station..

#### **Store FM station**

1. It can auto store the available FM stations by hold "DIAL/SELECT" or "OK" on remote controller for auto scanning. (Details refer to2.5.3)
2. You can keep pressing ‘Preset’ and enter the storage menu, and press the number buttons or“↑”、 “↓” to select the presetting FM station number (1-20), and press “Select” button for storage confirmed.

## Auto searching

**Description:** The radio can auto scanning from the lowest frequency to the highest frequency and store the available FM stations.

**Function Indication:** 1. You can press “Select” button for auto searching.

Remark: When you're operating the auto searching, the FM related function (such as stations switching、 manual searching、 manual tune and figure stored) will don't work until the auto searching is completed, and the second searching also will be refused as well.

## Manual searching

**Description:** Do Searching for Next or Previous FM Station.

**Function Indication:**

1. You can press “Right” button for next FM station searching.
2. You can press “Left” button for previous FM station searching.
3. You can press “Right” / “Left” buttons to stop searching during the manual searching .

Remark: Stations switching、 manual tune and figure stored will don't work during the manual searching , which will not be stop until auto searching is started.

## Manual Tune ( Remote control only)

**Description:** Manual tune up/down 0.05MHz

**Function Indication:**

You can press '↑↓' buttons for manual tune up/down 0.05MHz

# 1.4 Information Center

## 1.4.1 Weather Information

**Description:** You can learn the weather forecast all over the world

**Function Indication:**

1. Add to Standby Display
2. 'Currently Date & Time' and 'Currently Weather' will be on alternating display every 10 seconds under the standby mode if the weather forecast display is started.

You also can press 'Select' button for the switching of 'Currently Date & Time' and 'Currently Weather'. You can press “Left” and “Right” buttons to display the previous/next day weather forecast.

## 1.4.2 Financial Information

**Description:** You can learn the information of Stock Market all over the world

## 1.4.3 System Information

**Description:** You can learn the information of Version / Wlan Mac / Ip address ect.

# 1.5 AUX

User can use the audio cable to enjoy the music from audio players, such as mobile phone, MP3, etc..

# 1.6 Bluetooth

User can set the radio as a Bluetooth device, when the display shows “Bluetooth”, user can find the “Crane Radio” from the device list, after pairing, we can enjoy the music from the radio device via Bluetooth.

# 1.7 Configuration

## 1.7.1 Configuration—Network

Description: Setting WiFi/WLAN to Enable or Disable and related setting.

Remark: 1) When you enter this menu, it will remain on the previous option.

## 1.7.2 Configuration—Date & Time

### 1.7.2.1 Set Date and Time

Description: Currently Date & Time setting

Remark: 1) .You can press “Left” and “Right” buttons for choose, and rotate the “DIAL/SELECT” knob or press Up/Down for

parameter setting, and move cursor with “Right” and “Left” buttons and press ‘Select’ to confirm.

### 1.7.2.2 Time Format setting

Description: Time format setting: 12hours / 24hours

Remark: 1) When you enter this menu, it will remain on the previous option.

### 1.7.2.3 Date Format setting

Description: Date format: YY/MM/DD、DD/MM/YY and MM/DD/YY

Remark: 1) When you enter this menu, it will remain on the previous option.

### 1.7.2.4 Daylight Saving Time (DST)

Description: Daylight Saving Time setting: On / Off

Remark: 1) When you enter this menu, it will remain on the previous option.

### 1.7.2.5 GMT

Description: Set the currently time as GMT

## 1.7.3 Configuration—Alarm

Description: Alarm Clock setting, Alarm Clock goes off on the setting time and alarm volume.

Function Indication:

### 1. Alarm Clock types (3 Alarm Clock setting)

Alarm Clock (1): You can select your favorite Alarm setting for every day

Alarm Clock (2): Same as (1)

Alarm Clock (NAP): You can set a certain time such as 1 hour later/2hours later/any hours later as you wish from the beginning setting.

### 2. Alarm Clock NAP types: (one choose only)

Alarm Clock: End the time of NAP Alarm Clock after setting

5minutes (NAP): Alarm Clock goes off after 5minutes (1 time only)

10minutes (NAP): Alarm Clock goes off after 10 minutes (1 time only)

20minutes (NAP): Alarm Clock goes off after 20 minutes (1 time only)

30minutes (NAP): Alarm Clock goes off after 30 minutes (1 time only)

60minutes (NAP): Alarm Clock goes off after 60 minutes (1 time only)

90minutes (NAP): Alarm Clock goes off after 90 minutes (1 time only)

120minutes (NAP): Alarm Clock goes off after 120 minutes (1 time only)

### 3. Alarm Sounds setting:

1) Beep

2) Melody

3) Radio

Remark: Alarm Clock (NAP) - Beep only

4. When the Alarm Clock goes off, press any key except for “ON/OFF” button, you can enter the “Snooze” mode.



You can press “ON/OFF” button to stop the ringing when the alarm goes off 5minutes later again.

5. You also can set Alarm Clock with ‘Alarm’ key from remote control.

6. Alarm volume, user can set the alarm volume by turn the

Remark:

[1]You can select any internet station as Alarm tone from the function of internet station. When the internet station doesn’t work in 1 minute, it will auto set into Beep.

[2] Alarm tone is fixed on volume 15

[3]Alarm Clock stops 1 hour later in auto

#### 1.7.4 Configuration—Language

Description: Language setting

Function Indication: 1. 11 Language options

1.English 2.German 3.Spanish 4.French 5.Portuguese 6.Dutch 7.Italian 8.Russian etc.

Remark: When you enter this menu, it will remain on the previous option.

#### 1.7.5 Configuration—Dimmer

Description: Set the Screen Backlight

Function Indication: 1. Options

1) Power Saving

Remark: when the backlight is under the Low-power mode, it will turn into highlight when you press any key, and low-power mode will be Auto started again after 15 minutes without any operation.

2) Turn on (Default setting)

20 Levels option of backlight

3) Dimmer Timer

Set the timer for Dimmer

Remark: When you enter this menu, it will remain on the previous option.

#### 1.7.6 Configuration—Power management

Set the radio go to standby mode timer or turn off the setting for power management.

#### 1.7.7 Configuration—Sleep Timer

Description: You can set a related time to enter standby mode automatically

Function Indication: 1. Options:

1) Off

2) 15minutes

3) 30minutes

4) 60minutes

5) 90minutes

6) 120minutes

7) 150minutes

8) 180minutes

2. You also can do the setting with the “Sleep” button from remote control

Remark: When you enter this menu, it will remain on the previous option.

#### 1.7.8 Configuration—Buffer

Description: Buffer time for internet radio playing

Function Indication: 1. Options:

1) 2 seconds (default setting)

2) 4 seconds

3) 8 seconds

Remark: When you enter this menu, it will remain on the previous option.

### 1.7.9 Configuration—Weather

Description: You can set the display of weather forecast on the standby mode and the temperature units.

Function Indication: 1. You can select Weather Display show on standby or not.

2. Temperature units: 1) Centigrade(°C) 2) Fahrenheit (°F)

3. Set Location

### 1.7.10 Configuration—FM setup

#### 1.7.10.1 FM Audio mode setup

Description: You can set FM station as Mono/Stereo

Remark: 1) When you enter this menu, it will remain on the previous option.

#### 1.7.10.2 FM Area setup

Description: You can setup the manual tune range of FM station

Other place of FM tune range as {87.5, 108.0} .

Japan of FM tune range as : {76.0, 108.0} .

Remark: 1) When you enter this menu, it will remain on the previous option.

### 1.7.11 Configuration—Playback setup

Description: You can set the playback off, repeat all, repeat one, or shuffle.

### 1.7.12 Configuration—Login TuneIn

Description: You can use the A/C and password to login in the TuneIn or logout.

### 1.7.13 Configuration—Equalizer

Description: You can set different EQ.

### 1.7.14 Configuration—Resume When Power On

### 1.7.15 Configuration—Software update

Description: Upgrade the version

1) Upgrade information will be display on the main menu when there is a upgrade version on the server.

2) When there is a upgrade version on the server or USB root directory, you can do the manual upgrade from the update menu.

### 1.7.16 Configuration— Reset to default

Description: You can do this factory reset to empty all of the settings and it comes back to default settings.

Related setting as below:

1) Language: English

2) Tone: 15

3) Mute: Off

4) Time format: 12hours

5) Alarm Clock: Off

6) Alarm Clock (1) / (2) Time: 00:00

7) Alarm Sounds (1) / (2) /NAP: Beep

8) Backlight: Turn on

9) Sleep Timer: Off

10) Buffer: 2seconds

- 11) Weather Display: Off
- 12) Temperature Unit: Fahrenheit
- 13) Folder/FM/History List: Empty
- 14) Default Alarm Clock station: Empty
- 15) FM Audio Setting: Stereo
- 16) Internet Radio Alarm Sounds: Nil
- 17) Time Zone: hour=0,Min=0
- 18) WiFi Setup: Disable
- 19) WiFi DHCP: On
- 20) WiFi IP Address/ Subnet Mask/Default Gateway/DNS1/2: Empty
- 21) WiFi ESSID, ESSID PW: Empty
- 22) Default weather forecast display: Berlin

Remark: Playing stopped when it comes back to default settings and skip into Language Setting automatically, after that it will turn to the internet setting.

### 2.1 Figure Button

Description: i. Figure button input

ii. When you input the letters, cycle pressing the keys will be the characters as below:

key 0: '0'-'>'-'DEL' (Delete button)

key 1: '1'-'>'-'@'-'>'-' ' (Space) ->'! ' ->'”(double quotes)

->'#'->'\$'->'%->'&' ->' ' (single quotes) ->' ('

->' ) ->'\*->'+'->', ->'-'>'.'->'/'->'-'>';->'<'>'='->'>'>'?'->'['->'\"->']'->'^'->'\_'->'`'->'{'->'|'->'}'->'~'

Key 2: '2'-'>'-'A'-'>'-'B' ->'-'>'-'C' ->'-'>'-'a' ->'-'>'-'b' ->'-'>'-'c'

Key 3: '3'-'>'-'D' ->'-'>'-'E' ->'-'>'-'F' ->'-'>'-'d' ->'-'>'-'e' ->'-'>'-'f'

Key 4: '4'-'>'-'G' ->'-'>'-'H' ->'-'>'-'I' ->'-'>'-'g' ->'-'>'-'h' ->'-'>'-'i'

Key 5: '5'-'>'-'J' ->'-'>'-'K' ->'-'>'-'L' ->'-'>'-'j' ->'-'>'-'k' ->'-'>'-'l'

Key 6: '6'-'>'-'M' ->'-'>'-'N' ->'-'>'-'O' ->'-'>'-'m' ->'-'>'-'n' ->'-'>'-'o'

Key 7: '7'-'>'-'P' ->'-'>'-'Q' ->'-'>'-'R' ->'-'>'-'S' ->'-'>'-'p' ->'-'>'-'q'

->'-'>'-'r' ->'-'>'-'s'

Key 8: '8'-'>'-'T' ->'-'>'-'U' ->'-'>'-'V' ->'-'>'-'t' ->'-'>'-'u' ->'-'>'-'v'

Key 9: 'W'-'>'-'X' ->'-'>'-'Y' ->'-'>'-'Z' ->'-'>'-'w' ->'-'>'-'x'

->'-'>'-'y' ->'-'>'-'z'