# SMC-1030 Music Streamer
## User Manual

# Introduction

Sound Machine Premier is a Hi-Res music streamer for Hi-Fi home audio system, which can connect various inputs, like Bluetooth, USB, DVB-C and connect to your old traditional radios, amplifier, Hi-Fi receivers. The best is, you can enjoy high quality audio sound!

- Streaming music from mobile phone, tablets and desktops wirelessly via Bluetooth, Wi-Fi.
- NFC tag and pair : simply tag, pair, and play via Bluetooth from Android mobiles.
- USB supports conventional turntable, CD players and USB storage sticks.
- Internet Radio to access to +20,000 turntables radio stations worldwide.
- Transmits audio to FM frequency for FM-enable devices, such as FM radios, Hi-Fi receivers.
- Supporting Hi-Res Music formats : FLAC, AAC, WAV, MP3.
- High resolution music output via Optical, Coaxial, L/R audio to your wired Hi-Fi audio home system.
- Listen to DVB-C radios from wired audio system and your portable devices wirelessly.

## Table of Contents

# 1  Product Specifications

| CPU and Storage | |
|---|---|
| Host CPU | MIPS 3300 Processor ( 1125 DMIPS ) |
| DRAM | 512MB DDR3 |
| Internal Storage | 8MB NOR Flash, 512MB NAND |

| Audio Input Interfaces | |
|---|---|
| Front Panel USB | USB2.0 (5V/1 Amp) |
| USB Devices Support | Support Dongle, CD Player, Turntable Player |
| 75 Ohm F-Connector | DVB-C Input |
| Bluetooth | Bluetooth 4.1 Audio Input |

| Output | |
|---|---|
| Analog Audio | RCA ports for R/L audio channel |
| Digital Audio | Coaxial and Optical S/PDIF |
| FM Output Frequency | 87.5MHz—108MHz |

| Other Interfaces | |
|---|---|
| IR Receiver | RC5 protocol |
| RF Receiver | Bluetooth Remote Controller |
| IR Blaster | IR port to other IR-enable devices |
| DC Power Input | DC12V input (12 Watt) |

| Buttons and Indicators | |
|---|---|
| Standby Button | • Active/Standby button • Dual colors LED indicator • Long press for 10 seconds to reboot. |
| Navigation Keys | • Left/Right/Up/Down • OK, Menu, Back • Volume up/down • Channel up/down |
| Visual Display | OLED Display |
| NFC | NFC reader for BT and Wi-Fi Paring |

| Audio support in USB dongle | |
|---|---|
| Codec | FLAC, WMA, MP3, AAC-HE, Dolby Digital |
| File format | FLAC, TS, WAV, mp3, mp4, aac, |
| CD (Compact Disk) | Standard Audio CD |

| S/PDIF | |
|---|---|
| Digital | PCM |
| Pass-Through | Dolby Digital AC3 5.1 |

| Paring button | |
|---|---|
| WPS | Wi-Fi Paring |
| Bluetooth | Bluetooth Paring |

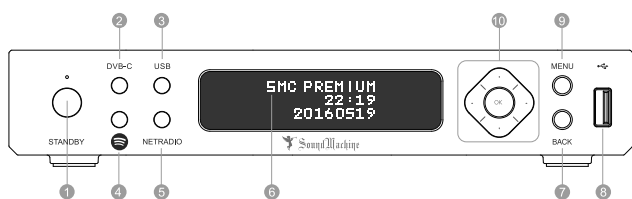| Networking | |
|---|---|
| RJ45 | 10/100Mbps Ethernet |
| Wi-Fi | 2x2 802.11n (2.4GHz) and 802.11ac (5GHz) |

| Physical | |
|---|---|
| Width x Depth x Height | 22.5 cm x 15 cm x 4 cm |
| Weight | 0.35 kg |
| Temperature | 0°C to 45°C (32°F to 113°F) |
| Humidity | 8% to 95% (non-condensing) |
| Warranty | Limited one year, optional warranty available |

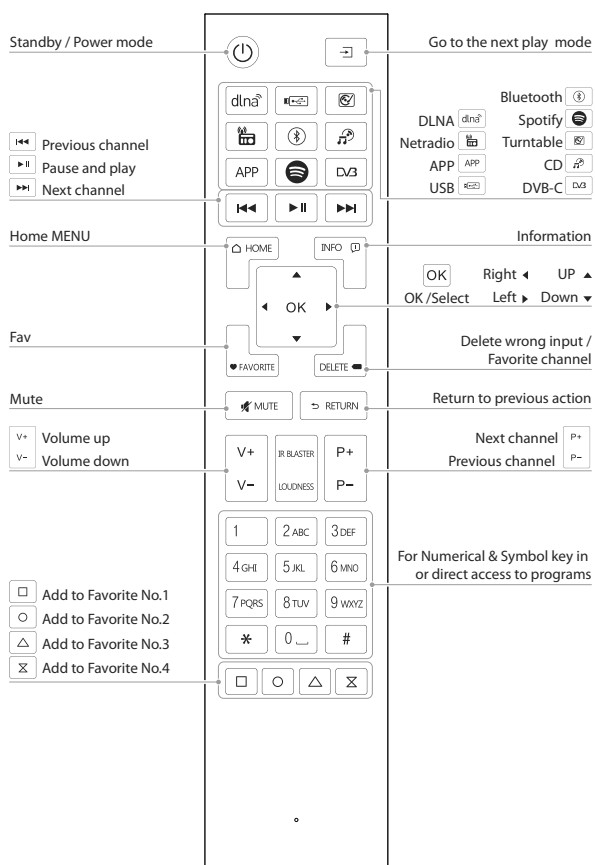| Accessories ( Optional ) | |
|---|---|
| Remote Controller | IR RCU |
| Adaptor | AC 100V-265V |

# 2 Interface



## 2.1 Front Panel

1. **STANDBY:**
   Green in POWER-ON mode
   Red in Standby mode
   Blinking red / green light during Scan / Reset mode

2. **DVB-C:**
   DVB-C mode

3. **USB:**
   USB mode : USB storage stick, CD player, Turntable

4. ● **SPOTIFY:**
   Spotify Connect mode

5. **NETRADIO:**
   NETRADIO mode

6. **DISPLAY:**
   Audio information display

7. **BACK:**
   Previous action

8. **USB Port:**
   Inputs from USB storage stick, CD player, Turntable

9. **MENU:**
   Home MENU button

10. **Nevigation Key:**

   Volume ◄Down / ►Up      ▲Previous /▼Next  Channel
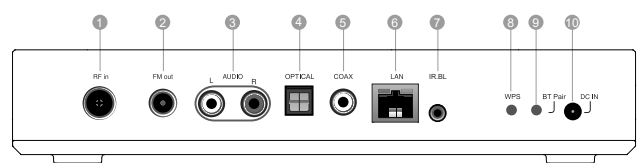
## 2.2 Rear Panel

1. **RF in :**
   DVB-C digital radio channels input via coaxial cable.

2. **FM out :**
   FM frequency output to Hi-Fi home audio system/radio devices via coax cable.

3. **L/R Audio:**
   Stereo output to Hi-Fi home audio system/powered speakers via RCA cable.

4. **Optical :**
   Optical output to Hi-Fi home audio system/powered speakers via optical cable.

5. **Coaxial cable:**
   Optical output to Hi-Fi home audio system/powered speakers via coaxial cable.

6. **LAN :**
   Connect to local area network via Ethernet cable.

7. **IR Blaster:**
   Plug in IR extension cable for signal improvement.

8. **WPS :**
   Quick connection to authorized Wi-Fi networks without settings.

9. **BT Pair :**
   Press to turn off and on Bluetooth for pairing when Bluetooth connection error occurs.

10. **DC in :**
   Power SMC-1030 via power cord.
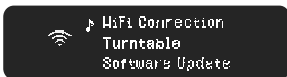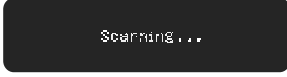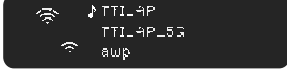
# 3 Remote control Definition

Standby / Power mode

Previous channel
Pause and play
Next channel

Home MENU

Fav

Mute

Volume up
Volume down

Add to Favorite No.1
Add to Favorite No.2
Add to Favorite No.3
Add to Favorite No.4

Go to the next play mode

Bluetooth
DLNA      Spotify
Netradio   Turntable
APP       CD
USB       DVB-C

Information

Right ◄    UP ▲
OK /Select   Left ►   Down ▼

Delete wrong input /
Favorite channel

Return to previous action

Next channel
Previous channel

For Numerical & Symbol key in
or direct access to programs

HOME    INFO

OK

FAVORITE    DELETE

MUTE    RETURN

V+   IR BLASTER   P+
V−   LOUDNESS    P−

| 1 | 2 ABC | 3 DEF |
| 4 GHI | 5 JKL | 6 MNO |
| 7 PQRS | 8 TUV | 9 WXYZ |
| * | 0 | # |

# 4 Display Icon Introduction

Successful connection to
Ethernet network

Connection errors / Network
down

Wi-Fi connection successful

Connection error / Network
down

Bluetooth is ready to pair

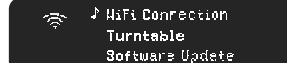Bluetooth pairing successful

Software Update available
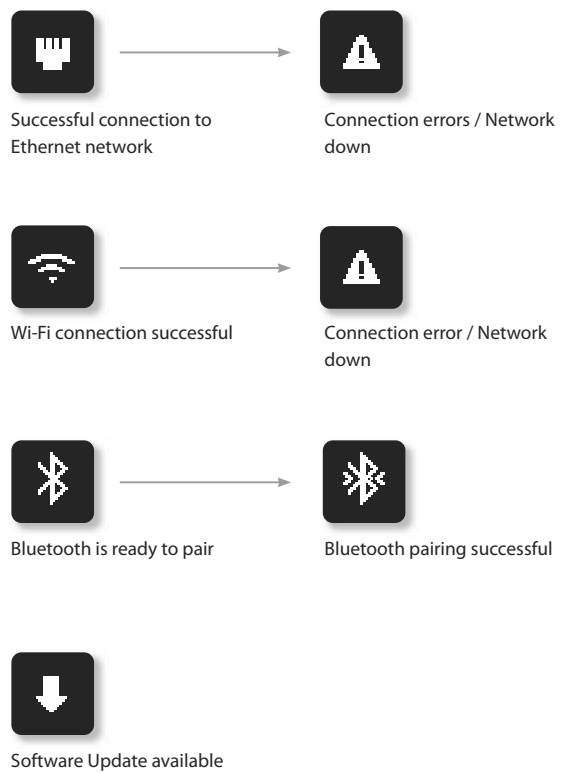
# 5 Operating instruction

## 5.1 WIFI Connection



**1. Select Wi-Fi connection**
1-1. Click ▲▼ to select Wi-Fi connection.
1-2. Press OK to enter.



**2. Connect :**
2-1. Select Connect for Wi-Fi connection.
2-2. Press OK to confirm.



**3. Scanning :**
Start Scanning available Wi-Fi networks.



**4. Select :**
Select a desired Wi-Fi network from the list of available Wi-Fi networks.



**5. Input the password :**
Input the password on alphabet / number keys in the remote control.



**6. Connecting :**
Connecting message shows while connecting to the network.



**7. Connected Successfully :**
The Wi-Fi network is connected successfully.

## 5.2 WIFI Disconnect



**1. Select Wi-Fi connection**
1-1. Click ▲▼ to select Wi-Fi connection.
1-2. Press OK to enter.



**2. Disconnect :**
2-1. Press ▲▼ to select Disconnect.
2-2. Press OK to confirm.



**3. Disconnection :**
The Wi-Fi icon on the bottom disappears after disconnection is successful.
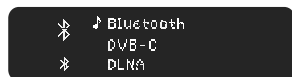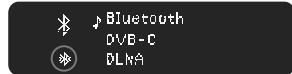
## 5.3 Bluetooth Pairing & Despairing

### Pairing
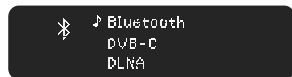


**1. Select Bluetooth** 
1-1. Click ▲ ▼ to select Bluetooth.
1-2. Or press Bluetooth on the remote.
1-3. Press OK to confirm.
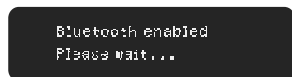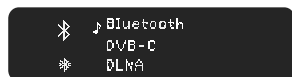
**2. Bluetooth enabling**
Start enabling Bluetooth.

**3. Bluetooth Enabled**
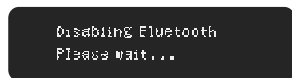The Bluetooth icon on the bottom pops out when Bluetooth is enabled.

**4. Pairing successfully**
4-1. Enable Bluetooth on your smart devices.
4-2. Select pairing device : SMC-1030
4-3. The icon on the bottom pops out once pairing is successful.

### Dispairing

**1. Select Bluetooth** 
1-1. Click ▲ ▼ to select Bluetooth.
1-2. Or press Bluetooth on the remote.
1-3. Press OK to confirm.

**2. Bluetooth disabling**
Start disabling Bluetooth.
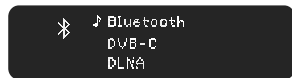
**3. Disconnect Successfully**
Bluetooth icon disappears once disconnection is successful.

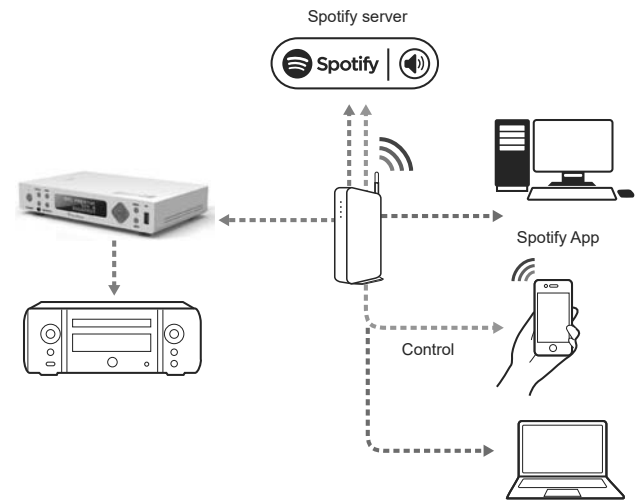## 5.4 Spotify Connect

### Introduction

Spotify Connect supports streaming audio controlled from Spotify APP on multiple smart devices.

What you can do :
• Control from Spotify APP on multiple smart devices.
• Switch audio output between multiple WiFi networked Spotify Connect devices.
• Make calls, watch videos online from your smart devices without interruption.
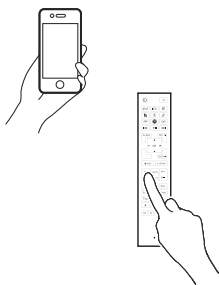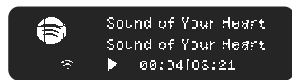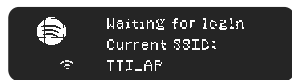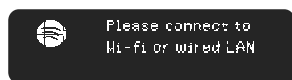• Save battery in your smart devices.

What you need :
• You need to be a premium Spotify subscriber.



Spotify server

Spotify App

Control

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## Spotify Connect Instructions



**1. Select Spotify Connect**
1-1. Press▲ ▼ to go to Spotify Connect in Home Menu.
1-2. Press OK to enter.



**2. Ensure WiFi connection**
2-1. Ensure WiFi network or LAN network is connected before entering Spotify Connect.
2-2. Go to WiFi Connection Captor for the instructions.



**3. Waitting for login**
3-1. Waiting for log in Current connected WiFi network is shown.



**4. Play**
4-1. Play audio from your smart devices.
4-2. Currently audio playing is shown on the display.
Note : Go to the next Captor -
Spotify APP for the instructions.

**5. Control**
5-1 Use Spotify APP to control play lists, Previous/ Next songs, and Volume Up/ Down.
5-2. You can also control Previous/ Next songs, and Volume Up/ Down from the remote.
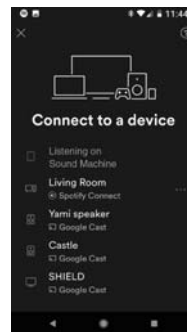


## Spotify Connect APP

Ensure the smart device is connected to the same WiFi network as the one shown on SMC-1030 display.

Note : Please go back to the last page for Spotify Connect Instruction to see the connected WiFi network.



**1. Mobile & Tablet**
1-1. Log in to play a desired song.
1-2. Tap the Now Playing bar.
1-3. Tap device available on the bottom of the screen.



1-4. Select SMC-1030 from the Device Menu.
1-5. You can also switch between Spotify Connect enabled devices from the Device Menu.

## 2. Laptop & Desktop
2-1. Log in to play a desired song.
2-2. Click 🖥 to connect to a device in the bottom-right to bring out the Device Menu.
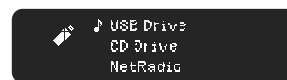2-3. Select to connect to SMC-1030 from the Device Menu to output to SMC-1030.
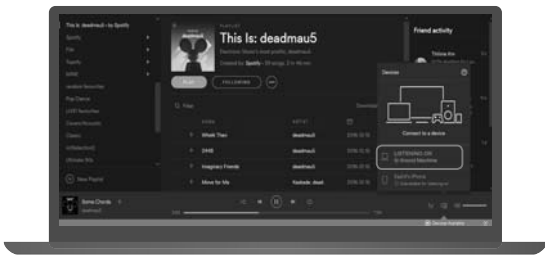


## 3. Web Player
3-1. Log in to play a desired song.
3-2. Click 🖥 to connect to a device in the bottom-right to bring out the Device Menu.
3-3. Select to connect to SMC-1030 from the Device Menu to output to SMC-1030.
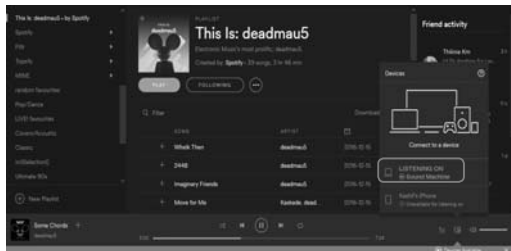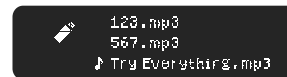


## 5.5 USB

### USB Storage Stick



**1. Install USB Storage Stick**
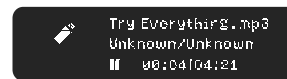Insert your USB Device into USB port.



**2. Select USB Drive**
2-1. Click ▲ ▼ to select USB Drive.
2-2. Or press 🔲 on the remote control.
2-3. Press OK to enter.



**3. Play List**
3-1. Click ▲ ▼ to select a desired songs.
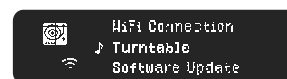3-2. Press OK to play.



**4. Play & Information**
The display shows the information about the track being played.

### Turntable



**1. Connect with Turntable**
Plug your Turntable USB jack into USB port



**2. Select Turntable**
1-1. Click ▲ ▼ to Turntable.
1-2. Or press 🔲 on the remote control to go to Turntable.
1-3. Press OK to enter.



**3. Play**
SMC-1030 Starts to play the vinyl.

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## CD Drive



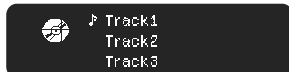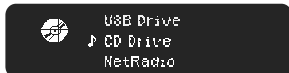**1. Install CD Player**
Connect to CD Player via USB port.



```
USB Drive
♪ CD Drive
NetRadio
```

**2. CD Drive**
1-1. Click ▲ ▼ to select USB Drive.
1-2. Or press 🎵 on the remote control.
1-3. Press OK to enter.



```
♪ Track1
Track2
Track3
```

**3. Play List**
Press OK to play.



```
♪ Track1
Unknown/Unknown
⏸ 00:04|03:21
```

**4. Play & Information**
The display shows the information about the track being played.

## 5.6  Net Radio

Make sure SMC-1030 is connected to the internet before operating Net Radio. You can connect to the internet either simply through LAN port, or through Wi-Fi network.
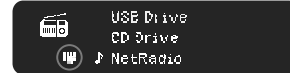
**Internet Connection : LAN Local Area Network**



乙太網路線
連接網路路由器

**1 .Connect to Internet**
Connect the Ethernet cable to the LAN port, and wait for 5 ~ 10 seconds to identify  the network to confirm the connection.



```
USB Drive
CD Drive
♪ NetRadio
```

**2. Connection Successfully**
After network icon ▓ appears that the connection is successful.

**Internet Connection : Wi-Fi Network**

Go to 5.1 Wi-Fi Connection Captor for Wi-Fi network setting-ups.

## Genres



```
Favorite
Recent
♪ Genres
```

**1.Genres**
1-1. Click ▲ ▼ to go to Genres.
1-2. Press OK to enter.



```
♪ Alternative
Blues
Classical
```

**2. Genres List**
2-1. Click ▲ ▼  to go to a desired genre.
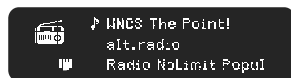2-2. Press OK to enter.

## Recent



**1.Recent**
1-1. Click ▲ ▼ to go to Recent in NetRadio Menu.
1-2. Press OK to enter.



**2. Play in Recent List**
2-1. The recent played radios stations are listed in Recent.
2-2. Play a desired radio station from the list.

## Favorite List Edit



**1.Select a desired station**
Press ▲ ▼ to go to a radio station.



**2.Processing message**
Press Favorite on the remote control to add the radio into Favorite list.



**3.Favorite List**
3-1. Press ▲ ▼ to go to Favorite in NetRadio Menu.
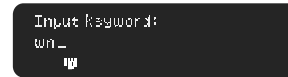3-2. Press OK to enter. You will find all radio stations in Favorite List.



**4. Delete from Favorite List**
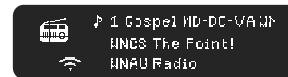4-1. Press [DELETE] delete a desired station from Favorite List.

## Keyword



**1. Search Keyword**
1-1. Press ▲ ▼ to go to Search in NetRadio Menu.
1-2. Press OK to enter.



**2. Input Keyword**
2-1. Press Alphabet keys on the remote control to input keywords.
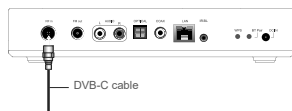2-2. Press OK to search.



**3. Play**
3-1. The search result shows on the display.
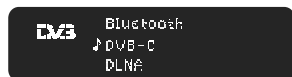3-2. Press OK to play.




**4. None Found**
4-1. There might be server errors or server down and results in not being able to access the radio station.
4-2. Please come back later and try again.

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## 5.7 DVB-C



DVB-C cable

**1. Plug in DVB-C Cable**
Plug DVB-C cable into RF in port.



```
DVB   Bluetooth
      ♪DVB-C
      DLNA
```

**2. Select DVB-C**
2-1. Press▲ ▼ to go to DVB-C in Home Menu.
2-2.  Press OK to enter .

There are 2 scan methods available below :
1. Scan Channel Map is to scan all frequencies for when if the frequency information is not clear.
2. Range Scan is for when the frequencies information is available from your local cable service operator.

### Scan Channel Map



```
DVB   Play DVBC
      ♪Scan Channel Map
      📶 Range Scan
```

```
DVB   Range Set
```
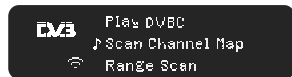
**1. Scan Channel Map**
1-1. Press ▲ ▼ to select Scan Channel Map in DVB-C Menu.
1-2.  Press OK to confirm.



```
DVB   7 Scanning 90M.
      Total found: 6
```
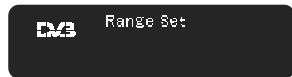
**2. Scanning**
2-1. Start frequency scan.
2-2. The display says the numbers of radio channels which has been found and locked.
Warning : Do not turn off the device during scanning until the process is completed.



```
DVB   7 Scanning 90M.
      Total found: 6
      Scan complete
```
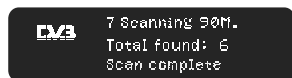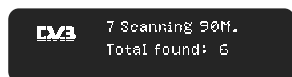
**3. Play DVB-C**
The display says the total number of radio channels found  once the process is completed .



```
DVB   Ch 1/16
      BBC Radio 1
```

**4. Play DVB-C**
4-1. Press ▲ ▼ to go back to Play DVB-C
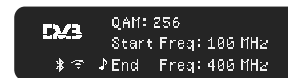4-2. Press OK to play DVB-C radios.

### Range Set

Please note that Range Scan is run by default. We strongly recommend to do the setting in Range Set in order to get all the available radio stations.



```
DVB   Play DVB-C
      Scan Channel Map
      Range Scan
```

```
DVB   ♪Range Set
      ＊ 📶
```

**1. Range Set**
1-1. Press ▲ ▼ to  to select Range Set in DVB-C Menu.
1-2. Press OK to confirm.



```
DVB   QAM: 256
      Start Freq: 100 MHz
  ＊📶 ♪End  Freq: 400 MHz
```
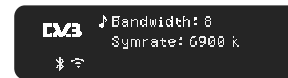
**2. QAM**
Press OK to switch between QAM 64/128/256.

**3. Start Freq / End Freq**
Press OK to enter to Start / End Freq.



```
Enter End Freq:
400_
     ＊ 📶
```

**4.No. Input**
4-1. Press Number keys 0-9 in the remote to set Start Freq.
4-2. Enter OK to confirm.
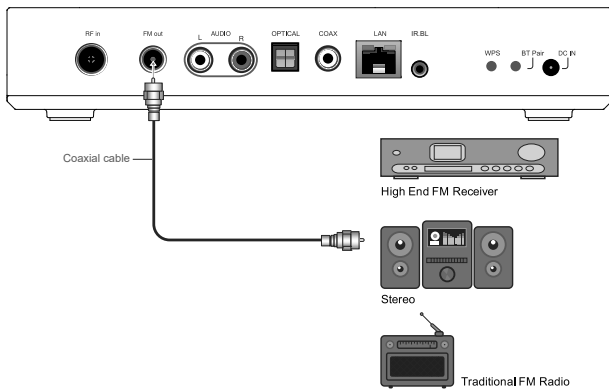4-3. Repeat again to input End Freq.



```
DVB   ♪Bandwidth: 8
      Symrate: 6900 k
  ＊📶
```

**5. Bandwidth**
Press OK to select 6 / 7 / 8.

**6.Symbol Rate**
Press No. 0-9 to input symbol rate.



```
DVB   Play DVB-C
      Scan Channel Map
      ♪Range Scan
```

**7. Range Scan**
7-1. Press ▲ ▼ to select Range Scan
7-2. Press OK to start Range Scan.

## 5.8 FM

**FM output frequency**



Coaxial cable

High End FM Receiver

Stereo

Traditional FM Radio

**Connect to Hi-Fi Audio System or Radio**
Plug coaxial cable into FM out to connect to Hi-Fi audio system or radios.



**FM**  FM Output Frequency
95.3 MHz

**1. Select FM Frequency**
1-1. Press ▲ ▼ to go to FM Frequency in Home Menu.
1-2. Press OK to enter .

**2. Frequency Tuning**
Tune to an available frequency where there is no radio broadcasting.

FM Output Frequency
95.3 MHz
Succesfully

**3. Radio devices tuning**
Tune the radio devices to the same frequency as SMC-1030.

USB Drive
CD Drive
♪ NetRadio

**4. Play**
4-1. Go to a desired play mode ( DVB-C, USB, Netradio, ect…)
4-2. Follow the instruction of the captor and play.

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## 5.9 DNLA

**Introduction**



LAN cable

DLNA device

DLNA device

Network Hub or
Network Router

Wireless

Wireless DLNA device

Wireless DLNA device
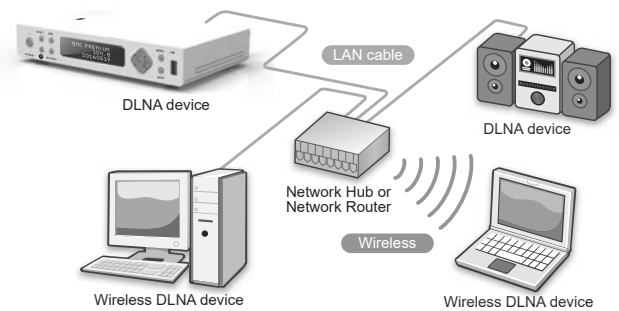
**1. DLNA Digital Life Network Alliance**
DLNA supports digital file sharing on a local area network across multiple devices such as PCs, laptops, mobiles, and tablets.

**2. Install DLNA Player Application**
All DLNA media applications are supported for audio streaming on SMC-1030. Find an application from the internet you like to install on your devices.
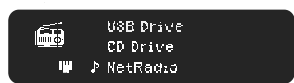
**Here are 2 examples of DLNA media players to install on your devices :**
1. Universal Media Server
2. Plex Media Server

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## Internet Connection : LAN Local Area Network



乙太網路線
連接網路路由器



**1. Plug in Ethernet jack**
Make sure the Ethernet is plugged into LAN port properly.

**2 .Connect to LAN Network**
The Ethernet icon ▢ pops up on the display once the LAN network is connected successfully.

## Internet Connection : Wi-Fi Network

Go to 5.1 Wi-Fi Connection Captor  for the instructions.
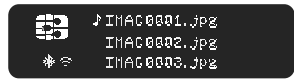
## Audio Streaming :



**1. Select DLNA**
1-1. Press ▲ ▼ to go to DLNA in Home Menu.
1-2.   Or press dlna on the remote control.
1-3. Press OK to enter .



**2. Select Media server**
2-1. Press ▲ ▼ to select connected Media Server.
2-2. Press OK to enter.



**3. Select a category**
Presss ▲ ▼  to select a desired category.
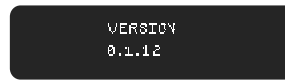Note : if no category shown, skip to the next step.



**4. Play from the play list**
2-1. Presss ▲ ▼ to select a desired song to start.
2-2. Press OK to play.

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## 5.10 Information



**1.Select  Information**
2-1. Press ▲ ▼ to select Information in Home Menu.
2-2. Press OK to enter.

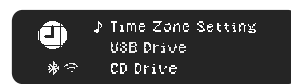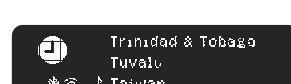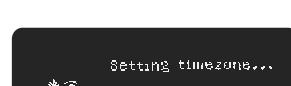

**2.Version**
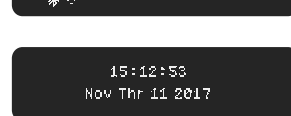The display says the current version installed.

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## 5.11  Updating Version

*Warning : do not turn off while updating.*



**1. Network connection**
1-1. Ensure  the local network connection either LAN port is plugged properly, or Wi-Fi connection is successful.
1-2. If no connection, please go to Wi-Fi Network chapter.



**2. Select Software Update**
2-1. Press ▲ ▼ to select Software Update.
2-2. Press OK to confirm.



**3.Comfirm update**



**4. Software Update Available**
The icon ⬇ pops up on the display when software update is available.



**5. Installing**
Wait until the process complete
Warning : do not turn off the power while updating.



**6. Installation completed**
The icon ⬇ disappears once Software Update is completed.



**7. Auto reboot**
Rebooting starts automatically.

## 5.12  Time Zone Settings

Time Zone will be detected automatically. However, you can also set a desired Time Zone from the Menu.



**1. Select Time zone setting**
1-1. Press ▲ ▼ to Time Zone Setting in Home Menu.
1-2. Press OK to enter.



**2. Select Country**
2-1. Press ▲ ▼ to select the location in Time Zone Menu.
2-2. Press OK to confirm.



**3. Setting Time zone**
Start setting time zone.



**4. Setting Completed**
Setting Completed.



**5. Time / Date on display**
Time / Date is shown on display and then switch to Home Menu automatically.

## 5.13 Recovery Mode



Network Ethernet cable

pull out
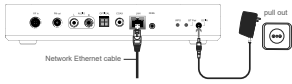
**1. Reboot & Ethernet Connection**
1-1. Reboot the power by unplugging and plugging again the power cord.
1-2. Ensure the Ethernet cable is plugged into LAN port properly.



Entering
Recovery mode

**2. Recovery mode**
2-1. Long press Standby button and Standby light goes red/ green blinking.
2-2. Hold the button until entering recovery mode.



♪ Restore from Backup
Install Latest Version
Nomal Booting

**3.Select Reset mode :**
3-1. Restore from Backup : select here to keep saved settings.
3-2. Install Latest Version : select here to erase all settings.
3-3. Normal Booting : exit to back to Normal Mode.



Extracting file...
Please keep the
power on

**4.Extracting files**
Extracting files. Please wait for the process.



Installing...
Please keep the
power on

**5.Installing**
Installing. Please wait for the process.



Rebooting...

**6.Rebooting**
Once the installation is completed, rebooting starts automatically.

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FCC Statement
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.

FCC Radiation Exposure Statement
This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules. This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and consider removing the no-collocation statement.
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

Caution!
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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## QR Code