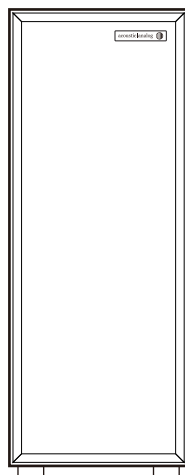
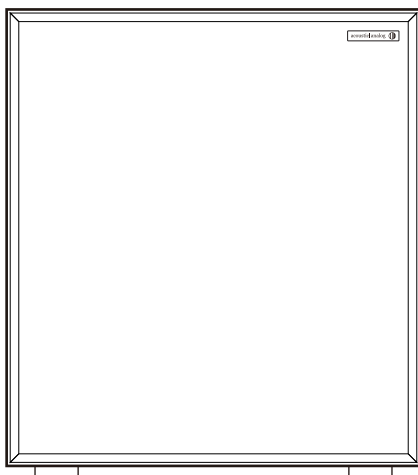
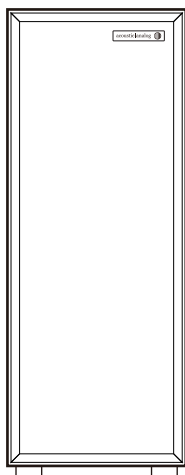
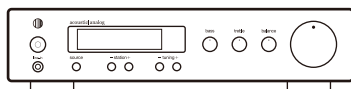


# System 1021

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## User Manual



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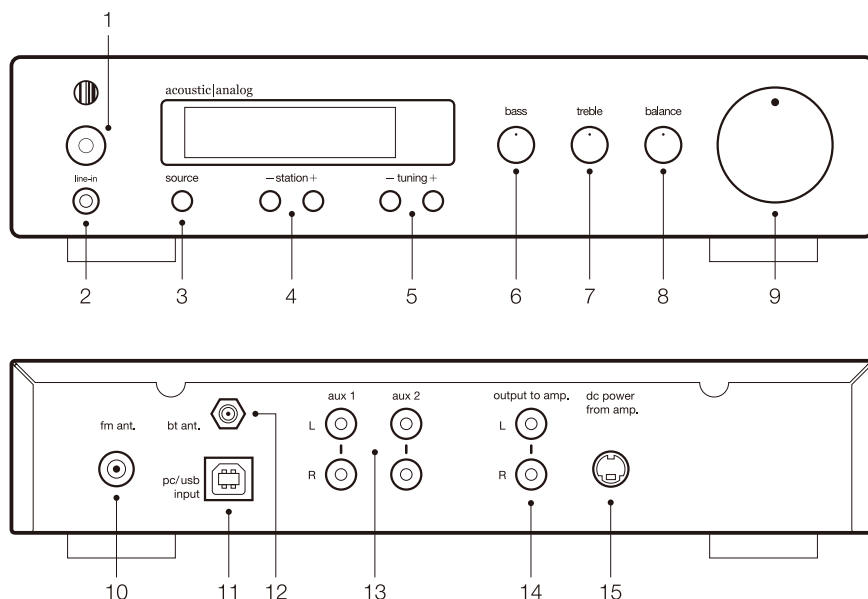
# Important Safety Instructions

1. Read all the instructions before operating this product and keep them for future reference.
2. Heed all warnings and follow all operating and use instructions.
3. Do not attempt to repair or service this product yourself. Opening or removing covers may expose you to dangerous voltage and other hazards. Refer servicing to qualified service personnel.
4. Do not use this product near water or moisture. Clean only with dry cloth.
5. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
6. Do not defeat the safety purpose of the grounding-type plug. This product is equipped with a three-prong grounding plug. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
7. Only use attachments / accessories specified by the manufacturer.
8. Protect the power cord from being walked on or pinched by items placed upon or against it.
9. Turn off the main power switch before unplugging the power cord. Unplug the unit during lightning storms or when unused for long periods of time.
10. Do not overload wall outlets or extension cords. This can result in a fire or electric shock.
11. Refer all servicing to qualified service personnel. Servicing is required when the product has been damaged in any way, such as: the power-supply cord or plug is damaged; liquid has been spilled or objects have fallen into the product; the product has been exposed to rain or moisture; the product does not operate normally; the product has been dropped.
12. The product should be situated away from electrical equipment such as computers, light bulbs, electric motors and vehicles to avoid interference. When interference is present the system may freeze, if this happens please turn off the main power and restart.
13. To ensure your FM radio receiver works at its peak, adjust the F-type FM antenna according to signal strength shown on the LCD screen, or install an external FM antenna if needed.
14. Low frequency waves produced by the subwoofer may transmit to neighbors through walls and floors. Place an anti-vibration pad or other absorbing material under the subwoofer to reduce the vibration.

# CT1021 Preamplifier

## Controls and Connections

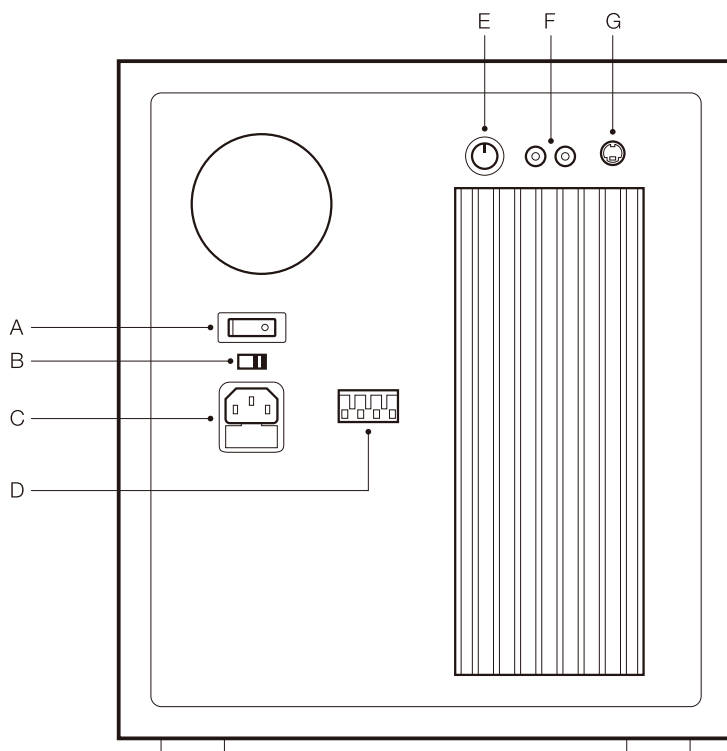
1. Power / standby
2. 3.5mm line-in jack
3. Source switch
4. User preset stations
5. FM tuning
6. Bass knob
7. Treble knob
8. Balance knob
9. Main volume knob
10. FM antenna
11. PC / USB input jack
12. Bluetooth antenna
13. Aux1, Aux2 RCA input jacks
14. RCA output jacks to power amplifier
15. DC power from power amplifier



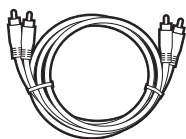
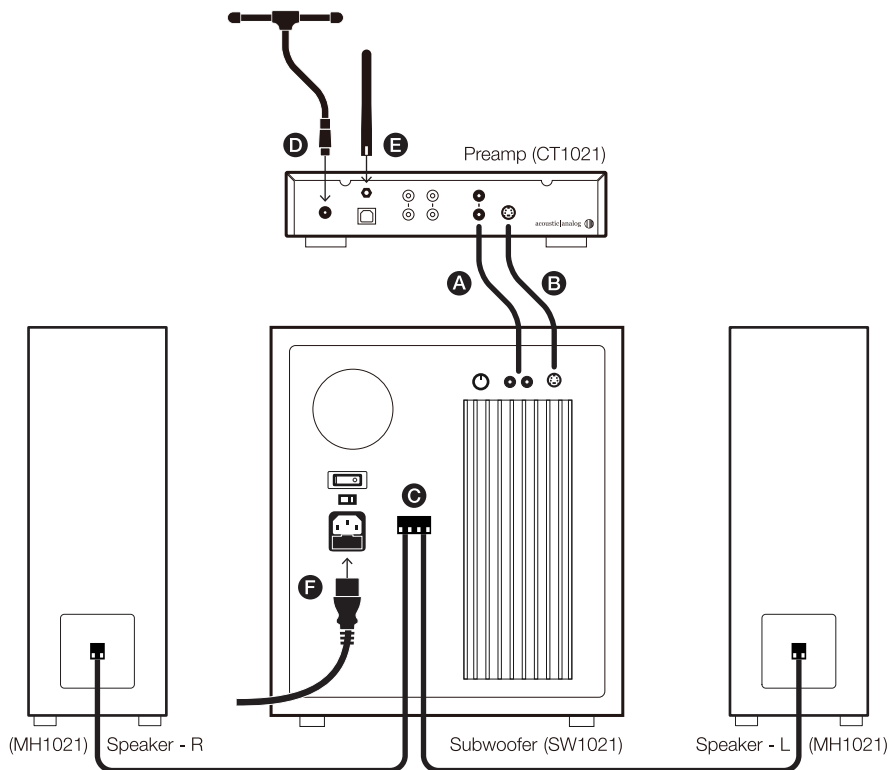
# SW1021 Subwoofer

## Controls and Connections

- A. Main power
- B. 115V / 230V AC voltage selector
- C. AC power socket
- D. Audio output to mid-high speaker
- E. Subwoofer volume knob
- F. RCA line-in jacks from console
- G. DC power out to console



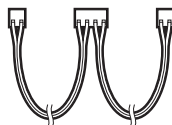
# Installation



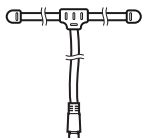
**A** RCA audio cable (red & white)



**B** DIN connector for DC power in (custom)



**C** Speaker connector



**D** FM antenna



**E** Bluetooth antenna



**F** AC power cord

---

## System 1021

System 1021 includes preamplifier (CT1021), subwoofer with power amplifier (SW1021), a pair of mid-high speaker (MH1021), remote control and accessories.

## How To Connect

- A. Connect one end of the RCA audio cables into CT1021 according to color. Connect the remaining ends into SW1021's line in socket.
- B. Connect one end of the DIN connector into SW1021's DC power out socket. Connect the remaining end into CT1021's DC power in socket.
- C. Connect the 4P end of the speaker connector into SW1021's audio output. Connect the remaining 2P ends into MH1021 respectively.
- D. Connect the F-type FM antenna onto CT1021.
- E. Connect the bluetooth antenna onto CT1021.

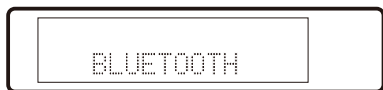
## AC Voltage Selector

Your AC voltage should be either between 100V ~ 130V or 210V ~ 250V. The 115V position of this switch is correct for North America; most other countries require setting it to 230V.

1. If the AC voltage falls within 100V ~ 130V, set the voltage selector to 115V.
2. If the AC voltage falls within 210V ~ 250V, set the voltage selector to 230V.

Make sure the 115/230V switch is set for the correct AC line voltage before you connect the power cord to SW1021. Turn on the main power, then press the Standby button on the front panel of CT1021. The LCD display will then illuminate.

# Select Input Sources



## **CT1021 LCD Display I (Input Mode)**

BLUETOOTH / USB / LINE-IN  
AUX1 / AUX2 / FM

---

## **Bluetooth**

System 1021 connects with your smart device (smart phone, tablet, PC) through Bluetooth 2.4 ~ 2.8 GHz V2.1 with EDR. Set current input source to BLUETOOTH. System 1021 will continue to search for Bluetooth devices within the communication area. Please see page 9 "Bluetooth Setting" for more information.

---

## **USB**

The PC / USB input jack accepts B-type USB only. It can be connected to PC or Mac with a USB connector cable (but not one intended for a USB flash drive). Set current input source to USB. Now you can play audio on the PC or Mac.

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## **LINE-IN**

The line-in jack accepts a 1/8" (3.5mm) diameter plug. Connect your MP3 player or CD player with audio cable. Set current input source to LINE-IN and play.

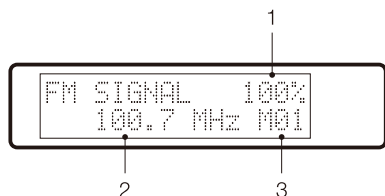
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## **AUX1 \ AUX2**

System 1021 accepts RCA stereo input jacks through AUX1 and AUX2. Connect your CD player, DVD audio or TV audio with RCA audio cable. Set current input source to AUX1 or AUX2 and play.

---

# FM Radio



## CT1021 LCD Display II (FM Mode)

1. Signal Strength
2. FM Frequency
3. User Preset Stations

---

## FM Antenna

Connect the F-type FM antenna onto CT1021. FM signal strength appears as % on the screen. A higher number indicates better reception quality. To ensure your FM receiver works at its peak, adjust the antenna according to FM signal, or install an external FM antenna if needed.

---

## Tuning FM Radio

Set current input source to FM. There are two ways to tune the FM stations :

1. Scan FM stations :

Press the – tuning + buttons on the console or up & down buttons on the remote control to go to the next or previous tunable station.

2. User preset stations :

Please see the following for how to save and retrieve stations.

---

## Preset FM Stations

Tune to a station you want to save. Press the “memory” button on the remote control until text flashes on the LCD screen. Enter a number from 01 to 30. The number you chose will appear as M01 ~ M30 on the screen.

System 1021 allows you to preset up to 30 FM stations.

---

## Retrieve Preset Stations

Press the – station + buttons on the console to go to the next or previous saved station. Or enter a number with the remote control to tune to a preset station directly.

---

## FM Frequency Range

The FM broadcast band differs between different parts of the world. It has been set for the correct frequency range according to where the unit was shipped. If you need to change the bandplan, please contact your dealer for assistance.

System 1021 has two frequency ranges :

87.5 to 108MHz in most area (Americas, Europe, Africa and Taiwan)

76 to 90MHz in Japan

# Bluetooth Setting

## First Time Bluetooth Pairing

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1. Set the input source to BLUETOOTH. Turn on the bluetooth function on your smart phone or device. System 1021 will appear as “Acoustic Analog” on the device.
2. Look for Acoustic Analog and connect. You will hear a “beep” when you connect successfully.
3. System 1021 enables Bluetooth input from multiple devices, one at a time.

Note: The Bluetooth signal has a range of approximately 10 meters. Obstacles within this area may affect the reception quality.

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# Tone Controls

## Volume

---

This motor-driven Volume knob adjusts listening level. It can be controlled by the remote control or turned by hand. Right turn to increase volume level; left turn to decrease volume level.

## Balance

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The balance knob adjusts the relative volume of the left and right channels. In its center position the channel levels are the same.

## Treble

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This knob controls treble tone. Maximum boost and cut is  $\pm 10\text{dB}$  at 10kHz. In its center position there is no cut or boost.

## Bass

---

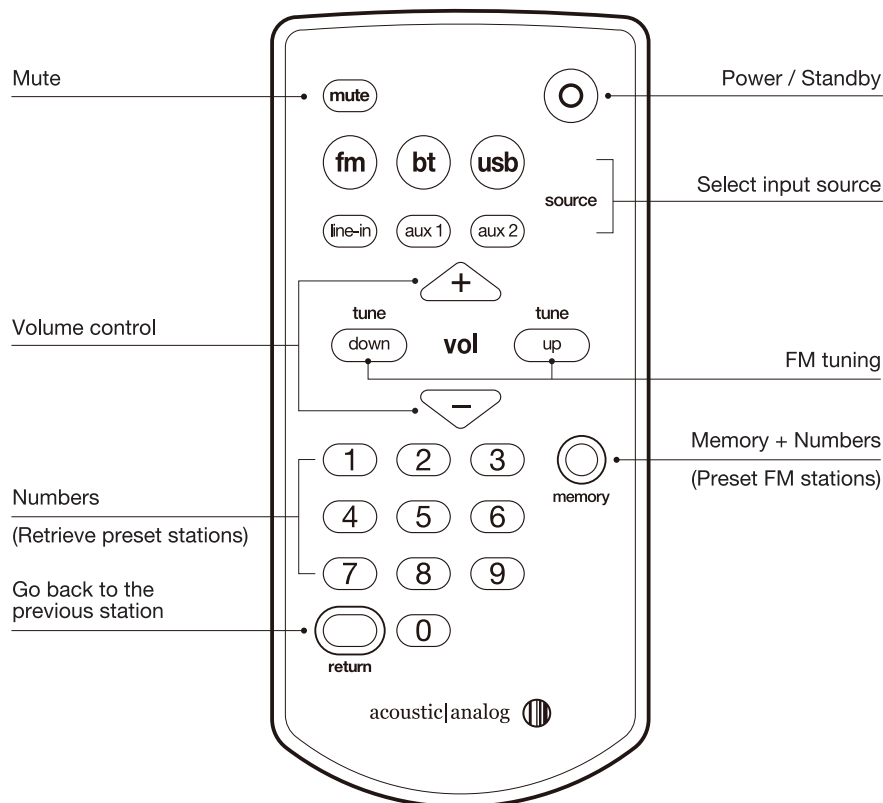
This knob controls bass tone. Maximum boost and cut is  $\pm 10\text{dB}$  at 100Hz. In its center position there is no cut or boost.

## Subwoofer Volume

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The subwoofer volume knob is located on the rear panel of SW1021. Maximum boost and cut is  $\pm 10\text{dB}$ .

# Remote Control



1. System 1021 comes with a remote control.  
Most of the functions on the CT1021 front panel can be controlled by this remote.
2. The FM Preset function can be assigned only by the remote control.
3. For first time use, insert 2 AAA alkaline batteries (1.5V/LR03/UM4) according to the polarity marks in the battery compartment.
4. To replace the batteries, follow step 3.

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# Warranty

## Terms and Conditions

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System 1021 comes with a five-year warranty from the date of purchase invoice to cover genuine manufacturing defects. If the product fails during the warranty period, the customer is entitled to repairs, free of charge, under the specified terms.

If the Warranty Certificate is lost, incomplete or has been altered or defaced in any manner, date of purchase will be determined by the date of manufacture (serial number).

## Provisions of Warranty

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Unit is not eligible for repair or replacement under the terms of the warranty if :

1. Unit was modified in any way.
2. Failure to follow safety or operating instructions; damage from any improper or careless use (incorrect AC voltage, exposure to rain, dropping during transport, etc).
3. Use of any components / attachments not specified by the manufacturer.
4. Unit was damaged by natural disasters (hurricanes, earthquakes, floods, lightning strikes, etc).

Since the Warranty Certificate will not be re-issued, please keep it in a safe place.

## Customer Service

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Acoustic Analog Corporation

[www.acousticanalog.com](http://www.acousticanalog.com)

+886-2-8969-9042

1F., No.1, Aly. 1, Ln. 260, Mincyuan Rd.  
Banciao Dist., New Taipei City 22050,  
Taiwan (R.O.C.)

# Specifications

1. AC Power Requirement : 115V / 60Hz or 230V / 50Hz  
Power Consumption : 400W
2. Frequency Band Range : FM : 87.5 ~ 108MHz  
FM (Japan) : 76 ~ 90MHz  
Bluetooth : 2.4 ~ 2.48GHz V2.1 with EDR
3. Output Power (R.M.S) : Subwoofer 120W @ 4Ω <0.05% T.H.D / 20Hz ~ 20kHz  
Mid-High 40W x2 @ 4Ω <0.05% T.H.D / 20Hz ~ 20kHz
4. Frequency Response : 20 ~ 20kHz ± 0.5dB
5. Crossover Frequency : 150Hz
6. Antenna System : FM F-type Antenna  
Bluetooth Antenna  
Frequency: 2.4-2.5GHz, Gain=2.0dBi
7. Audio Input : MP3 - 1/8" (3.5mm) diameter stereo jack  
AUX 1 - RCA stereo jack  
AUX 2 - RCA stereo jack  
Input Sensitivity - 200mV for 1V Output  
FM Sensitivity : 1.2 μV  
FM Stereo Separation : >40dB @ 1kHz
8. Audio Output : RCA stereo jack
9. Tone Controls : Bass ± 10dB @ 100Hz  
Treble ± 10dB @ 10kHz
10. Dimensions : Preamp : 9.5" x 7.4" x 2" (240 x 187 x 50 mm)  
Subwoofer : 11.4" x 13" x 12.6" (290 x 331 x 320 mm)  
Mid-High : 4.9" x 6.9" x 12.6" (125 x 175 x 320 mm)  
Packaging : 17.3" x 16.5" x 26.4" (440 x 420 x 670 mm)
11. Weight : Net Weight : 45.4 lbs (20.6 kg)  
Gross Weight : 50.7 lbs (23 kg)  
Preamp : 3.3 lbs (1.5 kg)  
Subwoofer : 29.5 lbs (13.4 kg)  
Mid-High : 11 lbs (5 kg)  
Accessory : 1.6 lbs (0.72 kg)

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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.

Warning : Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.

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:

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

