SILENT ANGEL

B1

Plug & Play Hi-Fi

Thank you for choosing Silent Angel

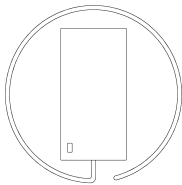## Table of Contents
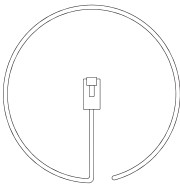
Package Contents

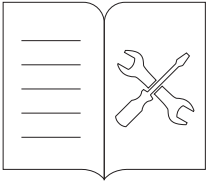
B1

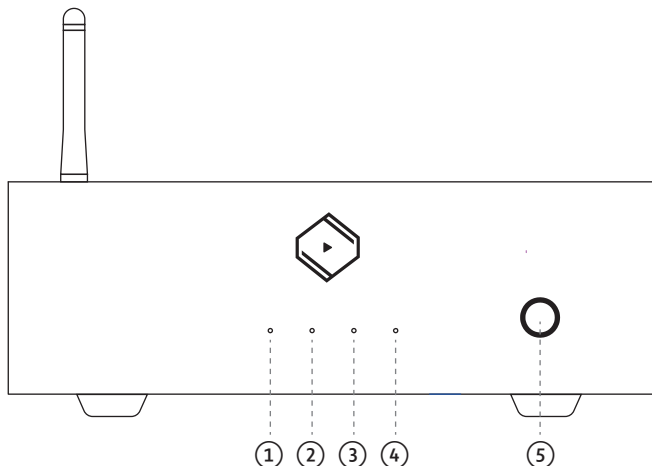

Power Adaptor   Ethernet Cable   Quick Start Guide   Antenna

Front Panel

①   Mute LED (Red)
Static on: Playback volume is set to minimum.

②   Power LED (Green)
Static on: Powered on.

③   Syem Status LED (Amber)
Fast blinking: System is booting.
Slow blinking: Connecting to Wi-Fi, Ethernet, or Bluetooth.
Static on: Successfully connected.

④   Playing and Bluetooth status LED (Green)
Static on: Playing music.
Slow blinking: Connecting to Bluetooth.

⑤   6.35mm Headphone Jack
Analog audio output for 6.35mm headphone plug.

Back Panel
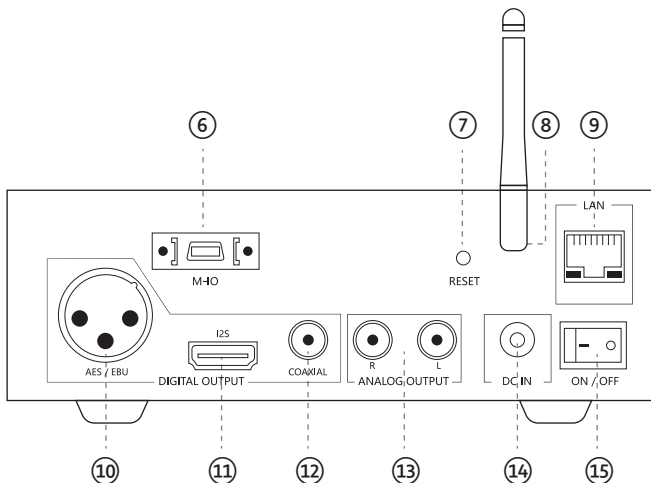
⑥ M–IO

Expansion connector for extra peripherals.

⑦ Reset Button

Wi–Fi connection mode:

    Short press: Switch to Bluetooth mode.

    Press and hold for over 3 seconds: Reset Wi–Fi settings to default vale.

Bluetooth connection mode:

    Short press: Switch to Wi–Fi mode.

    Press and hold for over 5 seconds: Disconnect current Bluetooth, and reset the settings.

⑧ Antenna

Antenna for both Wi–Fi and Bluetooth.

⑨   LAN

Fast Ethernet network port.

Amber LED: On when 100Mbps Ethernet is connected, blinking when signal is transmitting or receiving.

Green LED: On when 10Mbps Ethernet is connected, blinking when signal is transmitting or receiving.

⑩   AES / EBU

Digital audio output that carries S/PDIF digital audio format with 110 ohm balanced cable. Pin assignments:
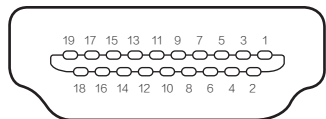
PIN 1: Ground (G)

PIN 2: Positive (+)

PIN 3: Negative (–)

⑪   I2S

Digital audio output that supports native differential digital audio signal in LVDS signal standard with HDMI cable.
Pin assignments as below figure.

I2S Digital Audio Output

```
19 17 15 13 11 9  7  5  3  1
18 16 14 12 10 8  6  4  2
```

· PIN1 : SDATA – / DSD L–
· PIN2 : GND
· PIN3 : SDATA + / DSD L+
· PIN4 : BCK + / DSD CLK +
· PIN5 : GND
· PIN6 : BCK – / DSD CLK –
· PIN7 : LRCK – / DSD R –
· PIN8 : GND
· PIN9 : LRCK + / DSD R +
· PIN10 : NC

· PIN11 : GND
· PIN12 : NC
· PIN13 : NC
· PIN14 : NC
· PIN15 : NC
· PIN16 : NC
· PIN17 : GND
· PIN18 : NC
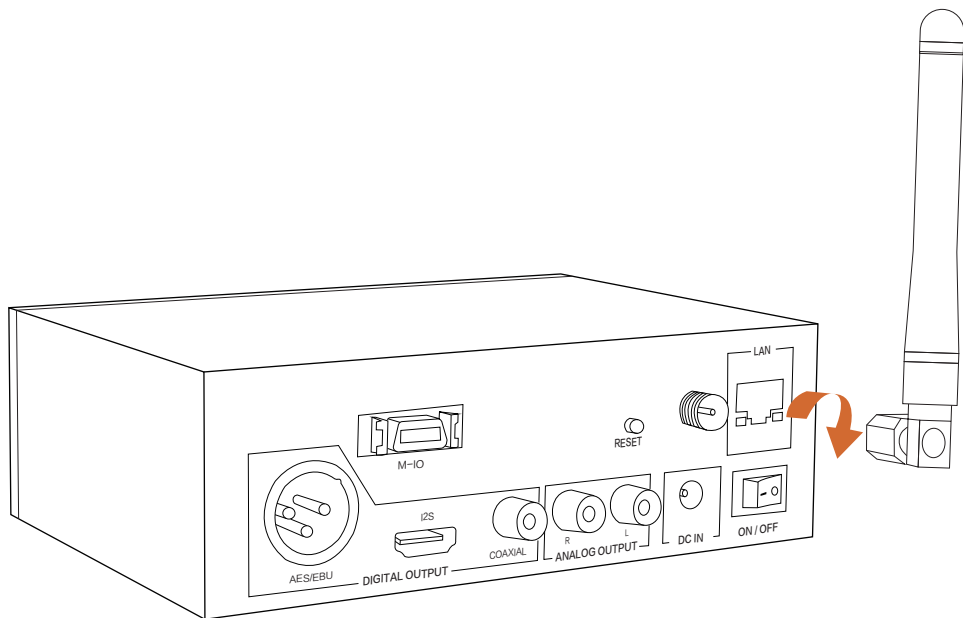· PIN19 : + 3.3V OUTPUT

⑫   COAXIAL

Digital audio output that carries S/PDIF digital audio format with 75 ohm coaxial cable.

⑬   RCA (L+R)

Analog audio output that carries 2VAC

Assemble Antenna

See the picture below, equipping the antenna to enjoy Bremen B1's wireless functionalities (Wi-Fi & Bluetooh).
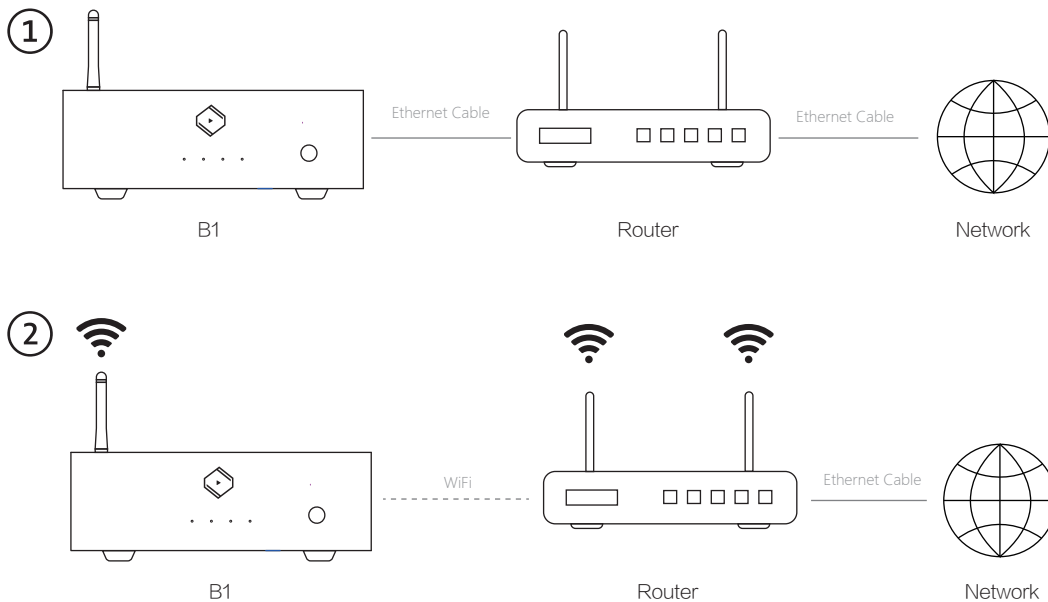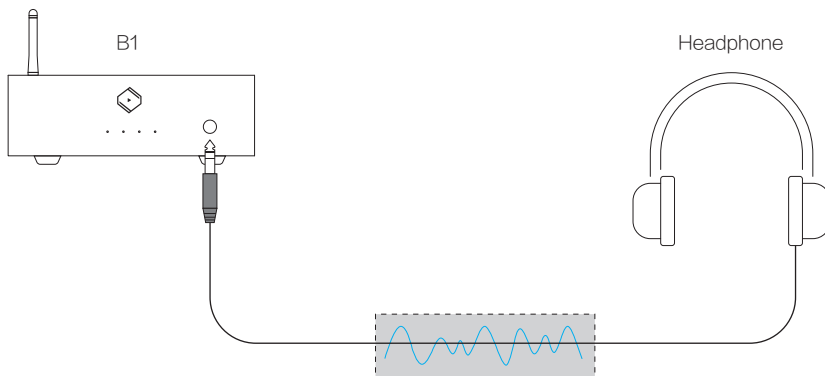
Signal Connections

⚠ Make sure all audio devices are powered off.

B1 supports Wi-Fi connection and Fast Ethernet connection. Hence, when wiredEthernet is connected, the Wi-Fi will be turned off; when wired Ethernet is not connected, the Wi-Fi will be turned on.
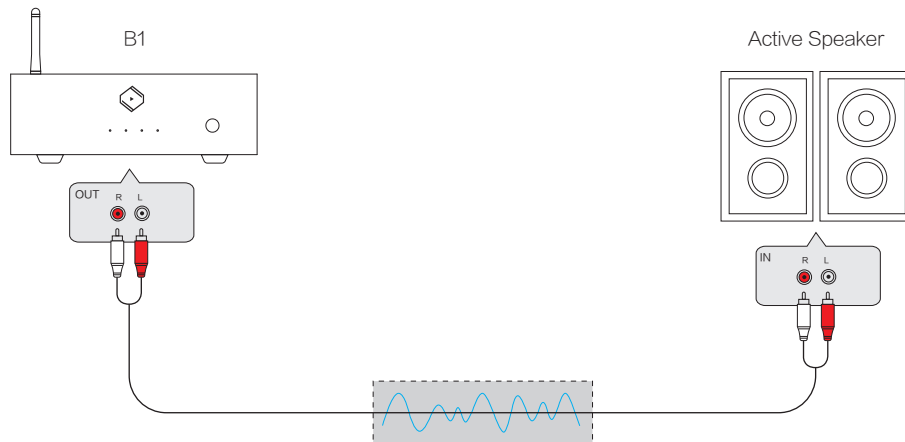
①

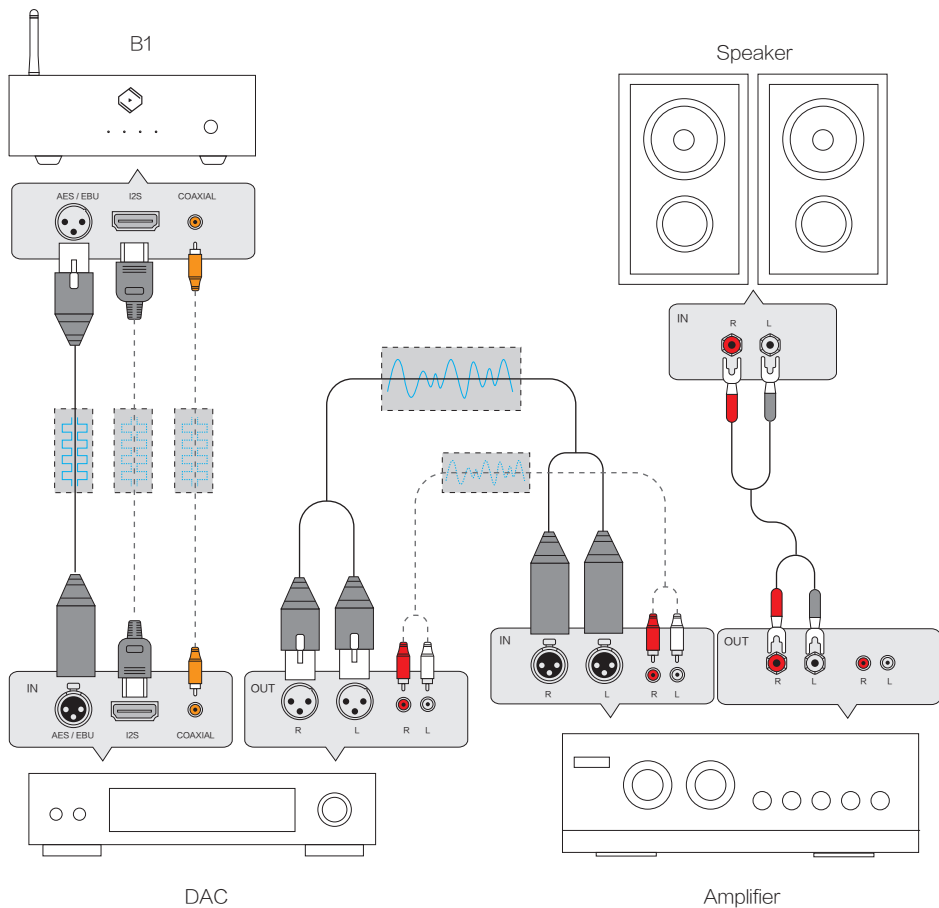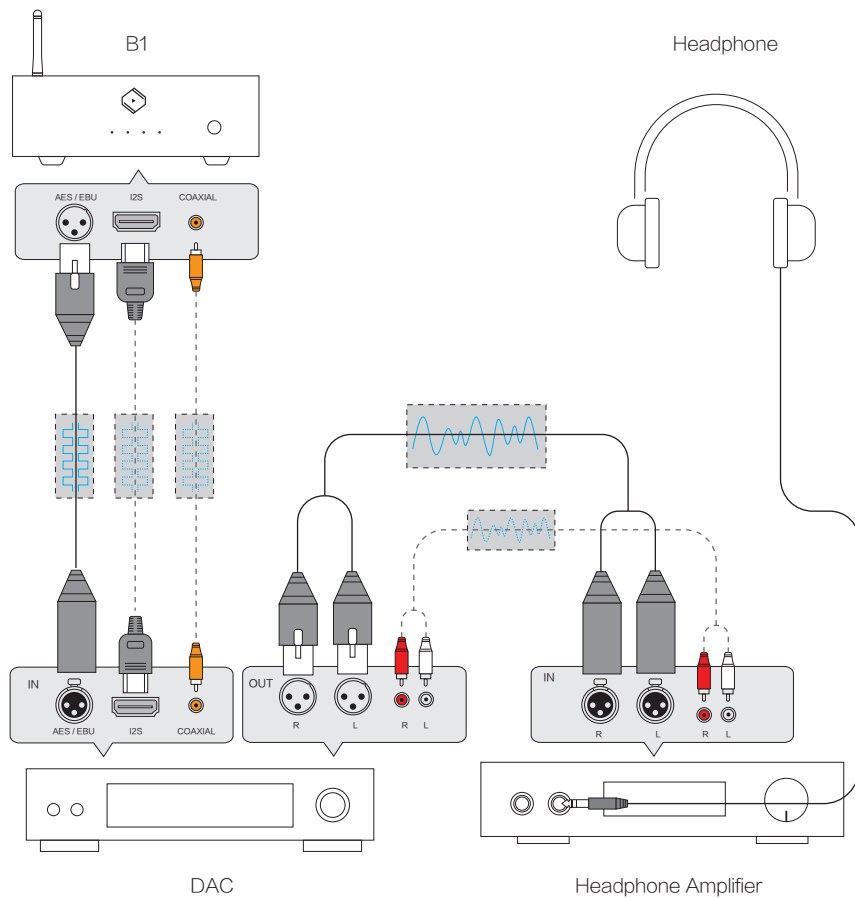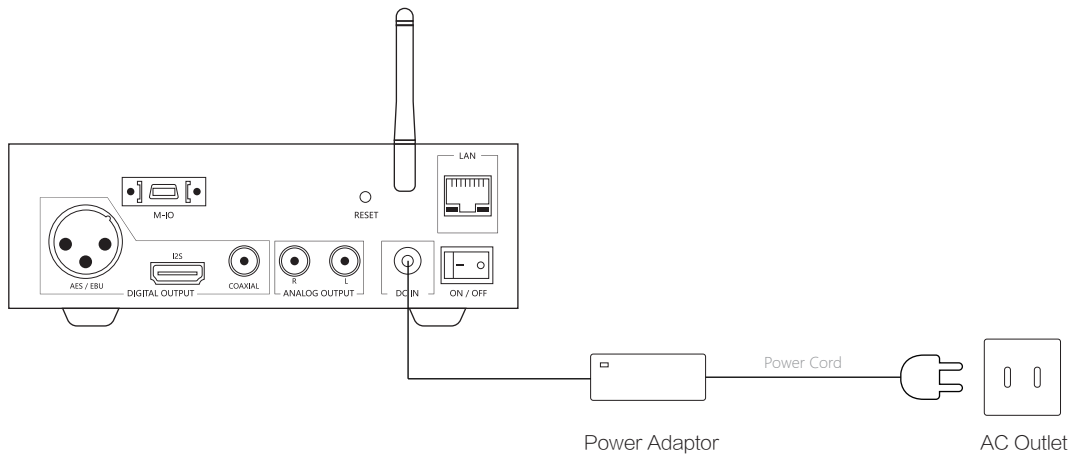Ethernet Cable   Ethernet Cable

B1   Router   Network

②

WiFi   Ethernet Cable

B1   Router   Network

Audio Applications

1

B1   Headphone

2

B1   Active Speaker

OUT   R   L

IN   R   L

B1

Speaker

AES / EBU   I2S   COAXIAL

IN   R   L

IN
AES / EBU   I2S   COAXIAL

OUT
R   L   R   L

IN
R   L   R   L

OUT
R   L   R   L

DAC

Amplifier

④

B1

Headphone

AES / EBU   I2S   COAXIAL

IN

AES / EBU   I2S   COAXIAL

OUT

R   L   R   L

IN

R   L   R   L

DAC

Headphone Amplifier

Power Connections

Power Cord

Power Adaptor

AC Outlet

Power On

Power LED
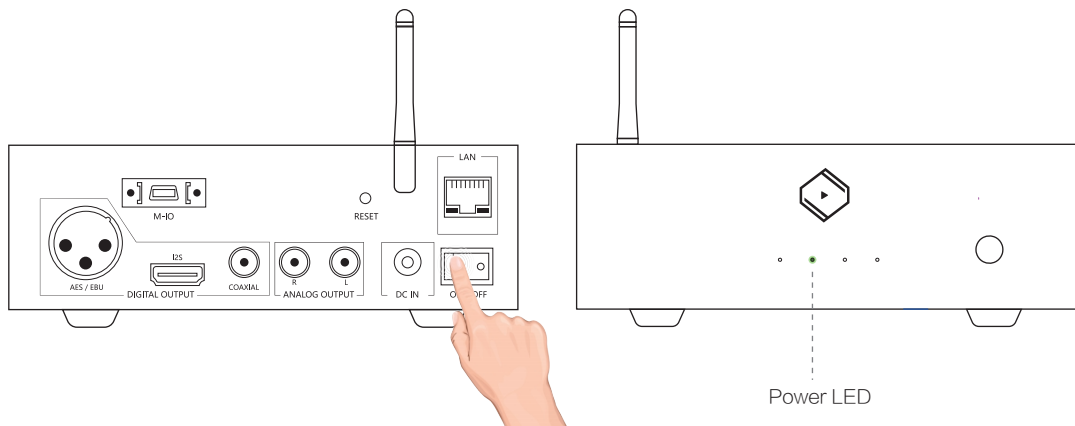
Install "VitOS Lite" App on a Pad or Phone
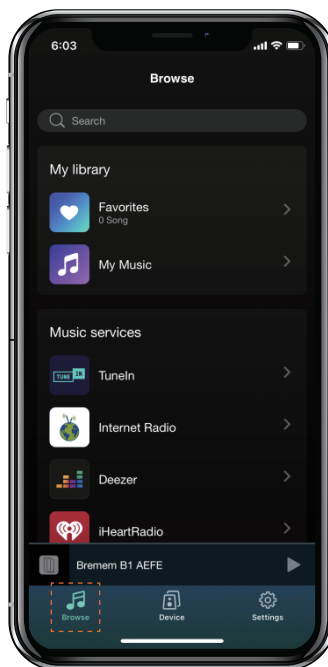
Use below QR code to install "VitOS Lite" app on a pad or phone.
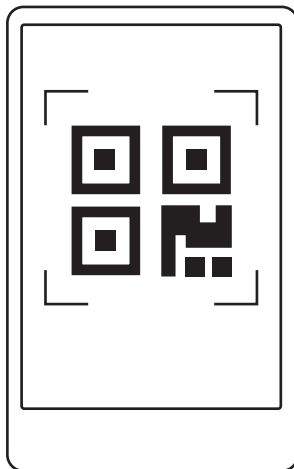
① Using IOS device to connect
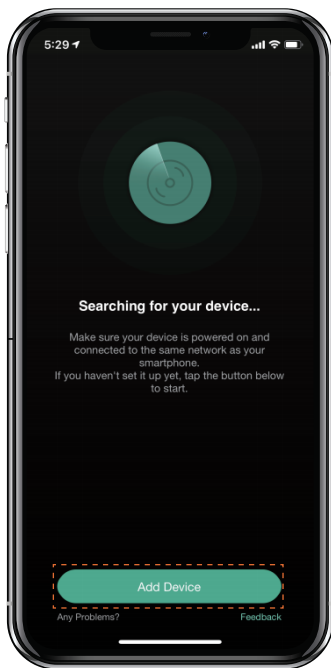
With Fast Ethernet Connection

Found B1 in
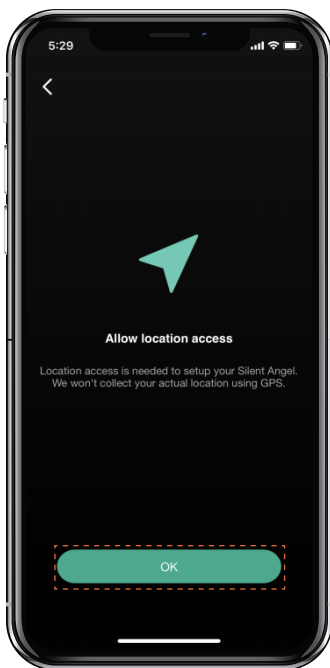"Devices" page
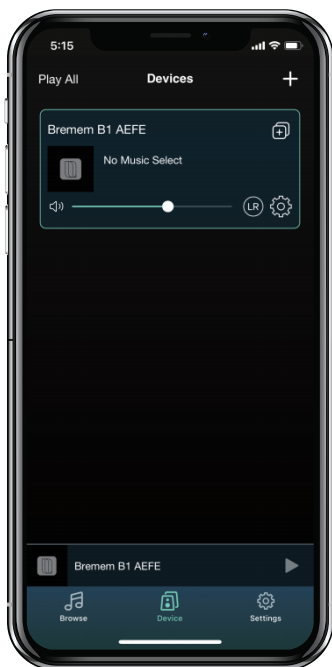
Click "Browse" to
enter main menu

With Wi–Fi Connection

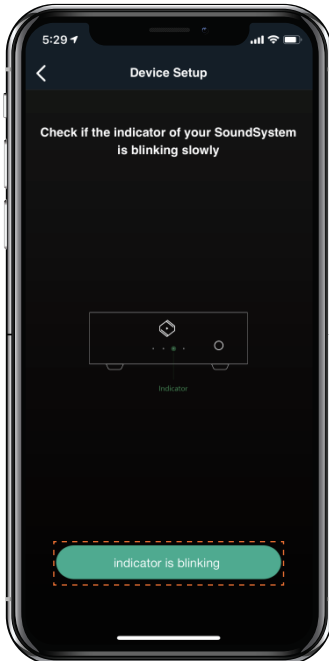Use the VitOS Lite to discover and setup the Wi–Fi setting of Bremen B1.
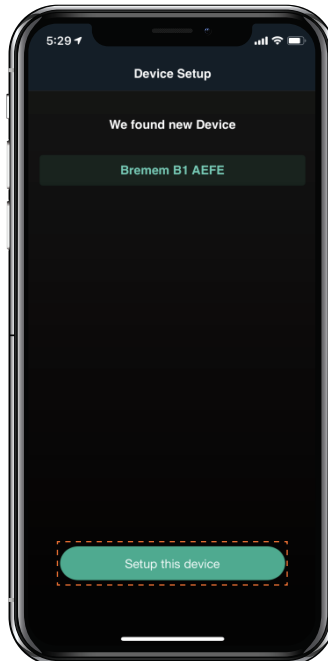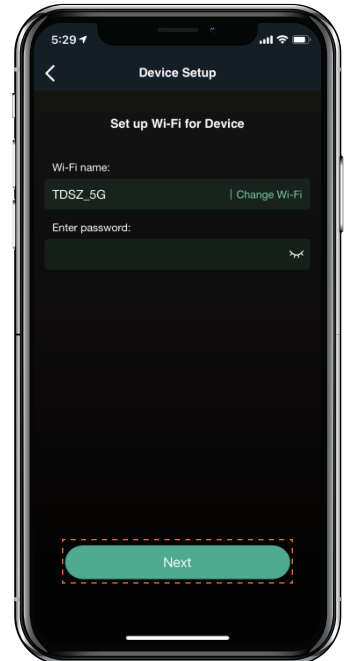
Click
"Add Device"

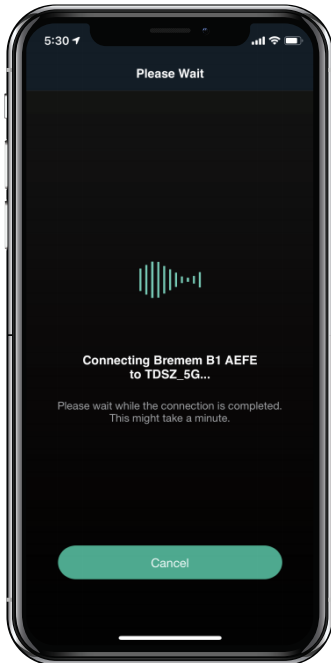Click
"OK"

Click
"Allow Once
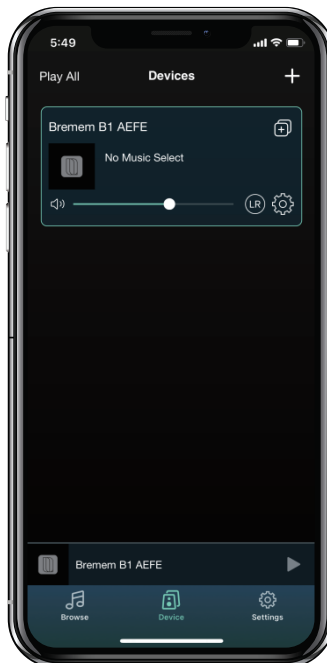
Click
"Indicator is blinking"
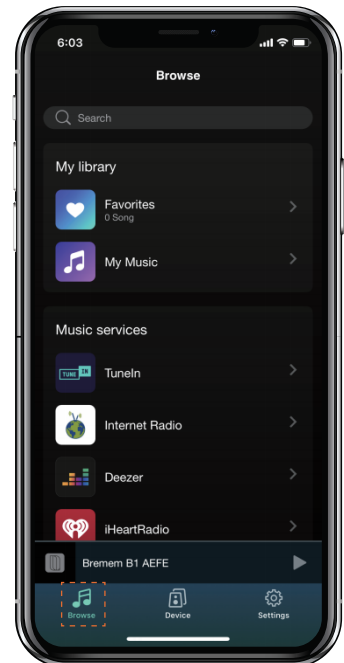
Click
"Setup this device"

Enter password
and click "Next"

Check if the indicator of your SoundSystem
is blinking slowly

indicator is blinking

We found new Device

Bremem B1 AEFE

Setup this device

Set up Wi-Fi for Device

Wi-Fi name:

TDSZ_5G | Change Wi-Fi

Enter password:

Next

Wait for B1 to connect
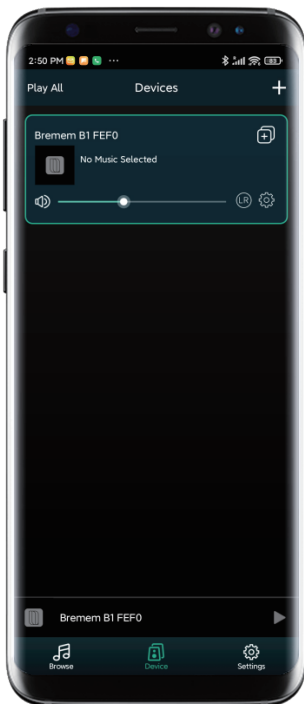to the Wi-Fi network

Found B1 in
"Devices" page
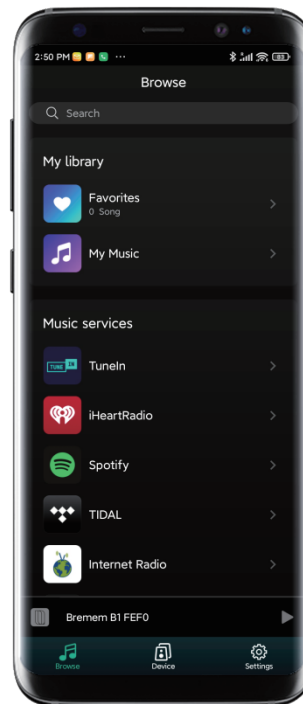
Click "Browse" to
enter main menu

②   Using Android device to connect

With Fast Ethernet Connection
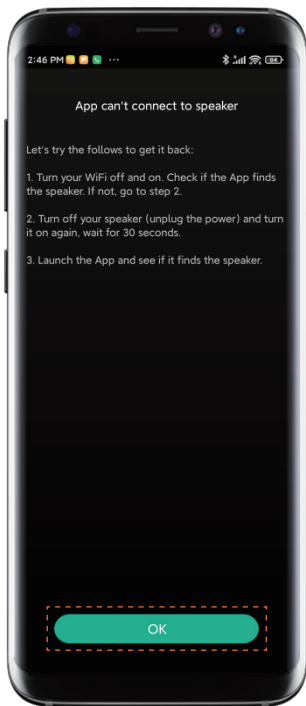
Finding B1 in
"Device" page

Press "Browse" to
enter main menu

With Wi–Fi Connection

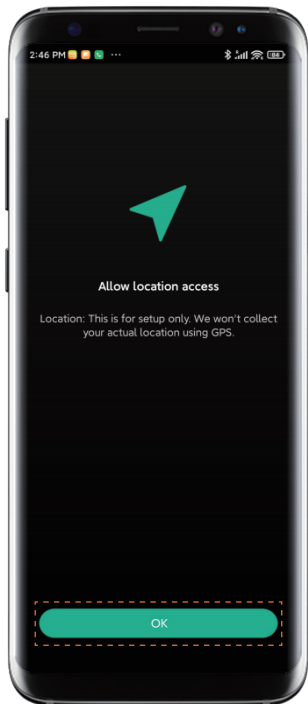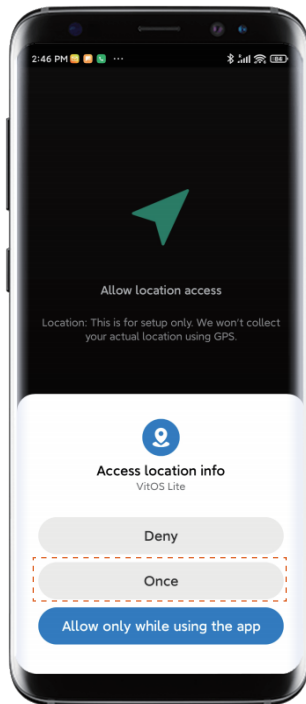Searching and configuring Bremen B1's Wi–Fi settings with VitOS Orbiter

Press "OK"   Press "Add Device"

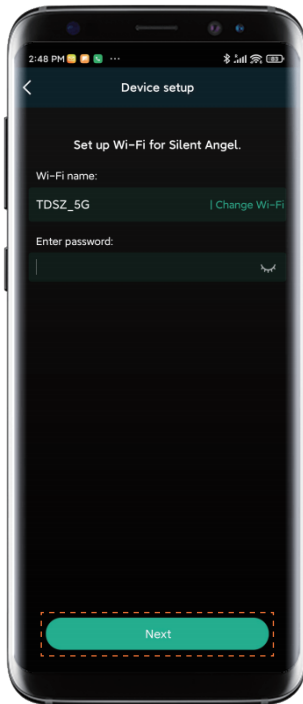Press "OK"   Press "Setup this device"
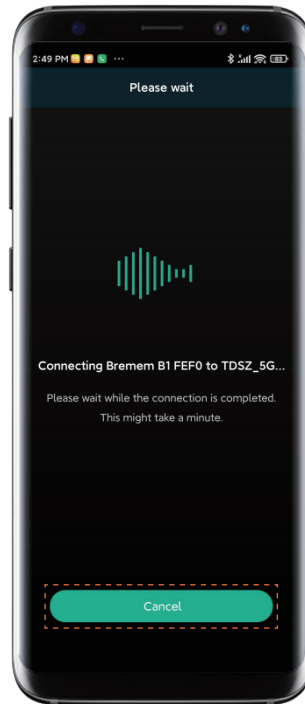
Press "indicator is blinking"
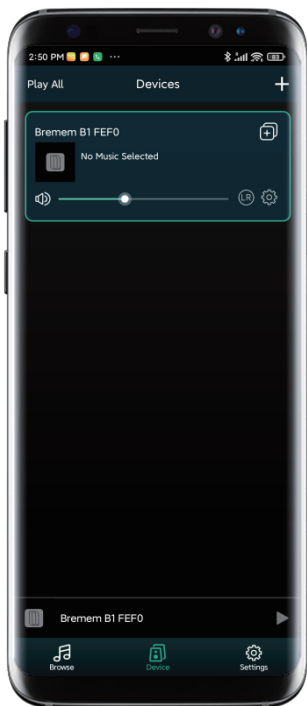
Press "Setup this device"
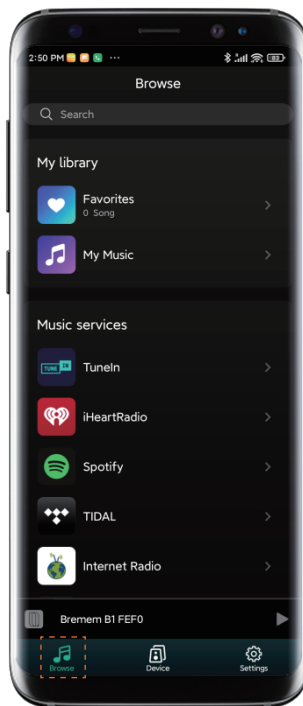
Enter Wi-Fi password,
then press "Next"

Wait for the connection
completed

Finding B1 in
"Device" page

Press "Browse" to
enter main menu

Use Another Device to Connect Bluetooth
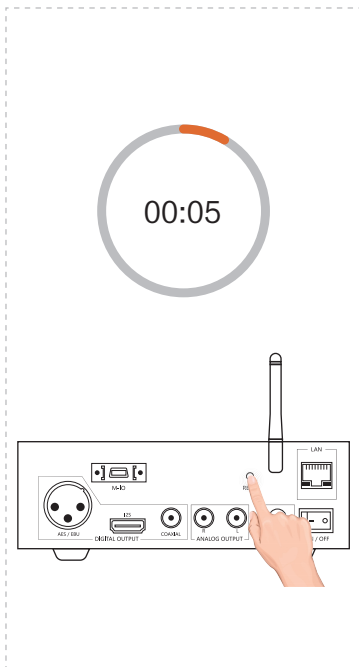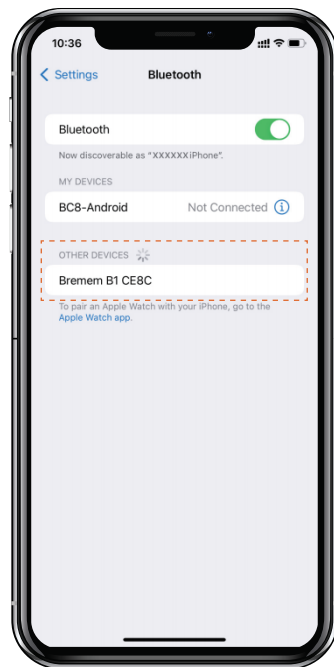
Click "Bluetooth" to
enter Bluetooth mode
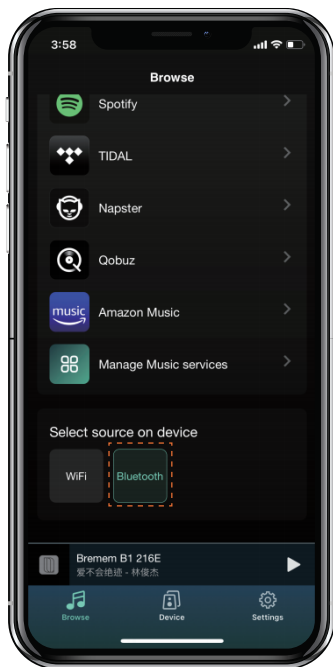
Press the "RESET"
button at rear panel, and wait for
5 seconds to process

Discover Bluetooth Device
"Bremen B1 XXXX" and connect

Bluetooth Connection

Press "Bluetooth" to setup
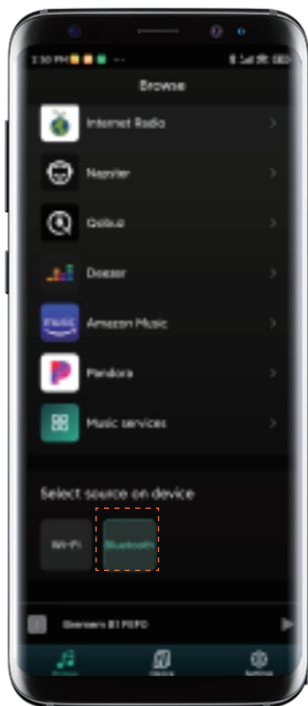
Press the "reset" button on the rear panel, and wait for 5 seconds
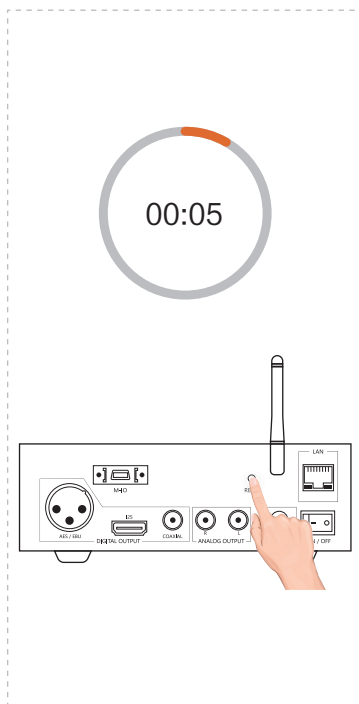
After processing, discover and connect the available device "Bremen B1 XXXX"

00:05
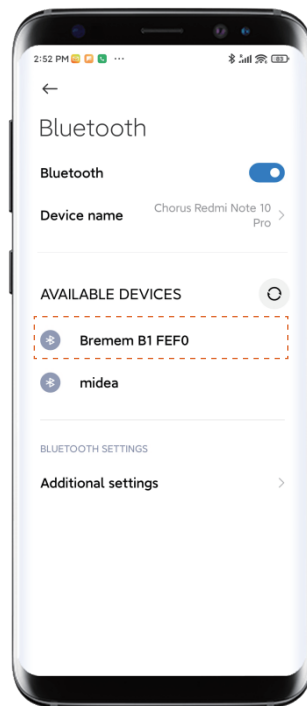
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SILENT ANGEL

FCC Warning

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 inte rference received, including interference that may cause undesired operation.

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

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 interferenceto 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.

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.