OS-440 | SET-UP GUIDE

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Overview

- OS-440 will enter standby mode after 10 minutes of no use.
- OS-440 will wake up from standby mode once music begins streaming. Use the app to wake up the OS-440 when sending music to the analog or optical input.
- Source will auto switch to Wi-Fi when music is cast to the OS-440 (requires Wi-Fi Network configuration).
- **WARNING**: The OS-440 is designed to operate in humid, outdoor conditions. Do **NOT** place the OS-440 in a location where it is exposed to prolonged direct sunlight, precipitation, or where it may come in contact with water. The ideal location for an OS-440 is inside a cabinet. The OS-440 is not waterproof. If you do not have a dry, protected spot for the OS-440, we recommend using a weatherproof box to mount the amp on an exterior wall.

1. Optical Input Port
- Port for optical audio input.

2. RCA Input Ports
- Ports for RCA analog input.

3. Power LED
- Solid green LED when powered & on.
- Blinking green LED when on standby.

4. Reset Button
- Single press to reboot.
- Long press (>5 sec) to factory reset.
- Double press to clear all Bluetooth clients.

5. Analog Source LED
- Solid white LED indicating RCA analog input mode when plugged into ports

6. Source Select Button
- Single press to cycle through input sources.

7. Optical Source LED
- Solid cyan LED indicating optical input mode when plugged into port
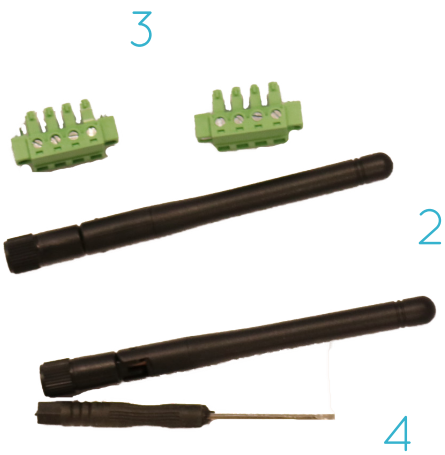
8. Wi-Fi / Bluetooth Source LED
- Solid yellow LED when OS-440 is booting.
- Blinking yellow & red LED when OS-440 is updating.
- Blinking red LED when OS-440 is in protect mode.
- Solid purple LED when in Wi-Fi Direct mode.
- Blinking green LED when unconnected in Wi-Fi Network mode.
- Solid green LED when connected in Wi-Fi Network mode.
- Blinking blue LED when in Bluetooth pairing mode.
- Solid blue LED when connected in Bluetooth mode.
- Quickly double press "source" button to change between Wi-Fi Network and Wi-Fi Direct modes.

9. Left & Right Speaker Outputs
- Output terminals to speakers.

What's Included

1. OS-440 Amplifier (QTY 1)
2. Tri-band Wireless Antennas (QTY 2)
3. Euroblock Connectors (QTY 2)
4. Screwdriver (QTY 1)
5. Screws (QTY 8)
6. Zip Ties (QTY 3)

1

3

2

5

4

Physical Setup Guide

1. Plug AC power in to amplifier. Power should be solid green and WiFi/Bluetooth indicator is yellow. The amp is booting and Wifi/Bluetooth light will flash green once it's complete.
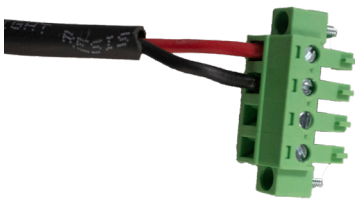

2. Screw the antennas onto the amplifier.

3. Use included screwdriver to open all positions on the euroblock. **Be gentle. Stop when you hit resistance, otherwise the euroblock will break.**

4. Insert speaker wires according to channel and polarity (Red is positive, black is negative).

5. Tighten screw terminal clamp on the euroblock down onto wire, ensuring a tight fit.

6. Attach euroblock connector to the amp.

Software Specifications	
Google Chrome Cast	Yes
Bluetooth	Yes
DLNA	Yes
Wi-Fi	802.11a,b,g,n,ac
Control Ap	MSE OS APP
Hardware Specifications	
Brand	Phase Technology Corp
Product Type	Audio Amplifier
Description	Audio Amplifier for both wired and wireless audio
Model Name	OS-440
Display	LED
Button and UI Controls	2 buttons and 4 LED (See UI description)
Included in Box	US version amplifier, AC Cord, and user manual
Frequency Response	20 Hz - 20 kHz
Output Power	4x40W rms @ 4 ohms (4 channel mode), 2x80W rms @ 8 ohms (bridged mode)
Inputs	RCA & Optical

Section 1: How to Configure Your OS-440 on a Wi-Fi Network

⊡ Chromecast built-in

1. When you first power on your OS-440, and a network is not yet configured, the OS-440 will automatically trigger a 'Hot Access Point'.

2. After booting, you will see a green power light indicator and the "Wi-Fi" light will be flashing green. The OS-440 is now ready for Wi-Fi pairing.

3. To configure your OS-440 on a Wi-Fi network, first open the Google Home app (if not already installed on your mobile device, it can be found in both the Google Play and iTunes stores.)

Create a home

Set up 1 device ✕

Assign your devices to rooms to control everything in one place
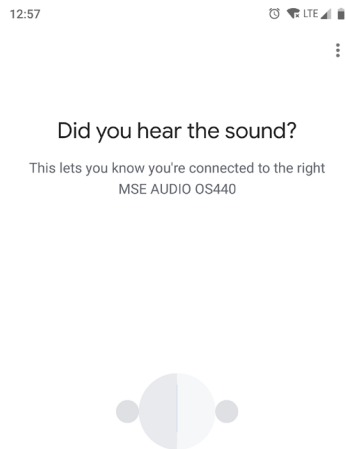
Get started

4. The Google Home app will discover any devices that are not already set up. Tap 'Set Up' to begin configuration of your OS-440.
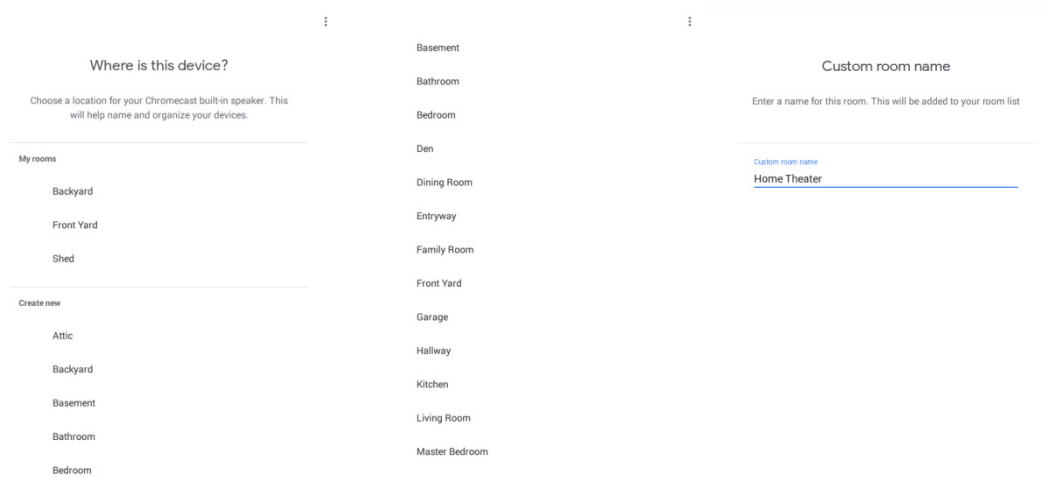
MSE AUDIO OS440 found

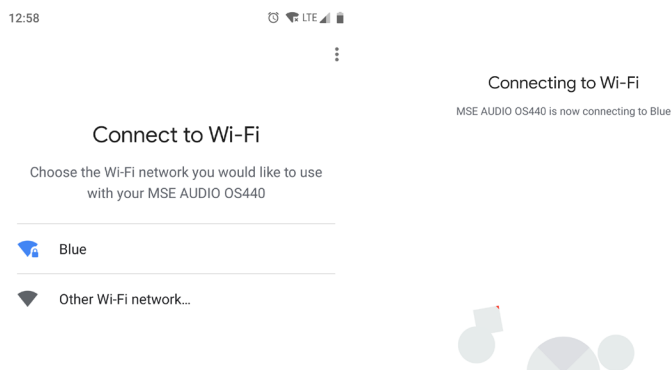Would you like to set up this device?

5. Tap 'Next; at the bottom right corner to proceed with the setup of the OS-440. Then, to confirm that the pairing of the OS-440 was successful, Google Home will play a sound through the device. If you hear the sound, tap 'Yes' at the bottom right corner to proceed to the next step.
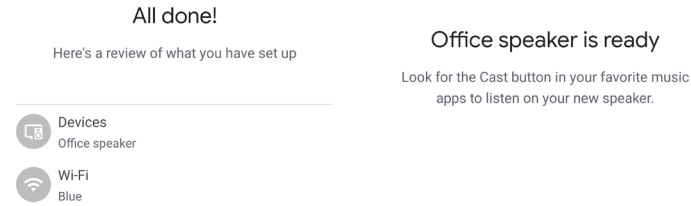

6. Once you confirm that the pairing was successful, you will then be prompted to name the OS-440. You can choose from a predetermined list of room names, or input your own.
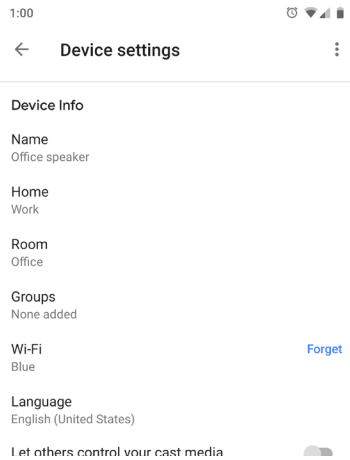

7. The next step in configuring your OS-440 is to log it in on your Wi-Fi network. Select the desired network, tap 'Next' in the bottom right corner. Here you will be prompted to input the selected network's password if one is required for internet access.

8. Set up is now complete and you are ready to start using your OS-440. You can now play music through your preferred music platform (Amazon, Pandora, Spotify etc.) by utilizing the 'Cast' feature in each program.

All done!
Here's a review of what you have set up

Office speaker is ready
Look for the Cast button in your favorite music apps to listen on your new speaker.

Devices
Office speaker

Wi-Fi
Blue

9. If you ever need to change the network that your OS-440 is connected to:

1:00

← Device settings ⋮

Device Info

Name
Office speaker

Home
Work

Room
Office

Groups
None added

Wi-Fi   Forget
Blue

Language
English (United States)

Let others control your cast media

9.1. Open the Google Home app and select the OS-440. If you renamed the device in the initial set up or have multiple devices, be sure to select the correct one.

9.2. Tap the '...' icon for the desired device and select 'Settings'.

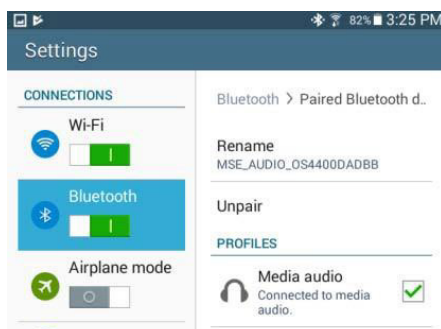9.3. Tap 'Wi-Fi' and then 'Forget This Network'.

9.4. Once complete, the unit will disconnect with the network. You can follow steps 4 through 8 again to connect your OS-440 to the desired network.

10. If you switch your OS-440 to Wi-Fi Direct by quickly double pressing the source button, the OS-440 will disconnet from the Internet enabled Wi-Fi network.

Section 2: How to Configure Your OS-440 on Bluetooth

1. To configure your OS-440 for Blutetooth use, press the Source button (refer to page 1, figure 6) on the OS-440 until the source cycles to Wi-Fi/Bluetooth. The LED indicator for Source will blink blue to initiate "Discovery Mode" and blink until a device is paired.

2. In your mobile device settings, turn Bluetooth On and select the OS-440 to pair with. Unless previously renamed, the OS-440 will be named "MSE_AUDIO_OS440". Once paired, you know your device is connected when the source LED will be solid blue.

Settings

CONNECTIONS   Bluetooth > Paired Bluetooth d...

Wi-Fi   Rename
                     MSE_AUDIO_OS4400DADBB

Bluetooth   Unpair

                     PROFILES

Airplane mode   Media audio
                     Connected to media
                     audio.

3. You are now ready to play audio through your Bluetooth connected device.

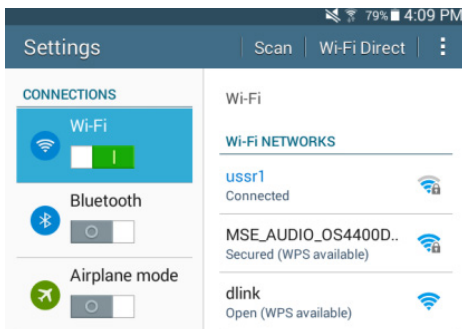## Section 3: How to Connect a Hardwired Device to Your OS-440

1. Physically plug in your source device using either the RCA (analog) or Optical (digital) input ports.

2. Press the source select button to light the appropriate input you are using; analog or optical.

3. Refer to your input device's instruction manual for playback functionality.

Section 4: How to Configure Your OS-440 on Wi-Fi Direct
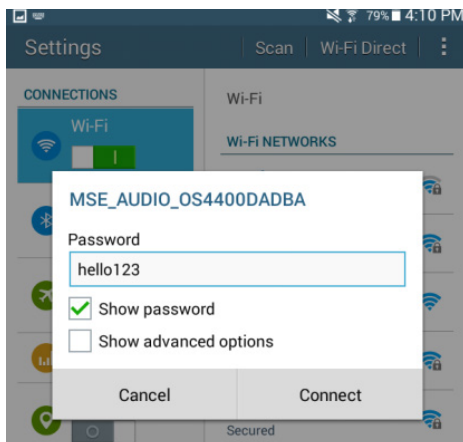
1. Go to the Apple App Store or Google Play store and download the amplifier control application "MSE OS-App".

2. To configure your OS-440 in Wi-Fi Direct, while in Wi-Fi Network mode, quickly double press the source button on your OS-440. Changing Wi-Fi modes will take a few moments.

   Note: When changing modes, the Wi-Fi LED will blink green, then yellow, green again, and finally change to purple, indicating Wi-Fi Direct is active and ready to connect.

3. On your mobile device, select the Wi-Fi signal being broadcast by the OS-440. It will be named "MSE_AUDIO_OS440".

4. Connect to the OS-440 Wi-Fi Direct network using the password: hello123

5. Open and use the MSE OS-App to play and control the OS-440.

Section 5: How to Reset Your OS-440 to Factory Default

1. To reset your OS-440 to factory default, press and hold the reset button for more than 5 seconds. The Wi-Fi/Bluetooth LED will blink yellow color for a few moments.

2. The OS-440 will reboot automatically and the Wi-Fi/Bluetooth LED will blink green once complete.

3. The OS-440 is now reset to factory settings and is ready to be set up. Please refer to Section 1 at the beginning of this manual.

Additional Notes

1. If this unit is used outdoors, then a GFCI or other plug safety should be used.

IMPORTANT SAFETY INFORMATION

1. Read these instructions.

2. Keep these instructions.

3. Heed all warning.

4. Follow all instructions

5. Do not use this apparatus near water.

6. Clean only with dry cloth.

7. Do not block any ventilation openings. Install in accordance with manufacturer's instructions.

8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including ampliers) that produce heat.

9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong.

10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, the wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet. and the point where they exit from the apparatus.

11. Only use attachments/accessories specied by the manufacturer.

12. Use only with the cart, stand, tripod, bracket, or table specied by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lighting storms or when unused for long periods of time.

14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cold or plug is damaged, liquid has been spilled or object have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

15. WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture while energized without the properly installed protection.

16. When the power plug or an appliance coupler is used as the means of disconnect, the disconnect shall remain readily operable.

17. For Networked Standby mode: 1.8W 10min.

INF OR MACIÓN DE SEGURIDAD IMPORTANTE

1. Lea estas instrucciones.

2. Guarde estas instrucciones.

3. Preste atención a todas las advertencias.

4. Siga todas las instrucciones

5. No use este aparato cerca del agua.

6. Limpie solo con un paño seco.

7. No bloquee ninguna abertura de ventilación. Instalar de acuerdo con las instrucciones del fabricante.

8. No instale cerca de fuentes de calor como radiadores, registros de calor, estufas u otros aparatos (incluidos am dores) que produzcan calor.

9. No rechace el propósito de seguridad del enchufe polarizado o con toma de tierra. Un enchufe polarizado tiene dos cuchillas con una más ancha que la otra. Un enchufe con toma de tierra tiene dos cuchillas y una tercera a tierra. La hoja ancha o la tercera punta se proporcionan para su seguridad. Si el enchufe suministrado no encaja en su toma de corriente, consulte a un electricista para reemplazar la to ma de corriente obsoleta.

10. Proteja el cable de alimentación de ser pisado o pellizcado particularmente en los enchufes, receptáculos de conveniencia y el punto donde salen del aparato.

11. Utilice únicamente dispositivos/accesori ados por el fabricante.

12. Use solo con el carro, soporte ados por el fabricante o vendidos con el aparato. Cuando se usa un carro, tenga cuidado al mover la combinación del carro/aparato para evitar lesiones por vuelco.

13. Desconecte este aparato durante las tormentaseléctricas o cuando no se use durante largos períodos de tiempo.

14. CONFIER tout travail de dépannage à un réparateur professionnel compétent. Faire réparer l'appareil l'appareil ou objet inséré dans l'appareil, appareil exposé à la pluie ou à l'humidité, mauvais fonctio nnement ou après une chute.

15.AVERTISSEMENT: pour réduire les risques d'incendie ou de choc électrique, n'exposez pas cet appareil à la pluie ou à l'humidité lorsqu'il est alimenté sans la protection correctement installée.

16. Lorsque la fiche d'alimentation ou un coupleur d'appareil est utilisé comme moyen de débranchement, le débranchement doit rester facilement utilisable.

17. Pour le mode veille en réseau: 1.8W 10min.