SM450
User manual

1. Read these instructions.
2. Keep these instructions.
3. Read all warnings.
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 amplifiers) 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. 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.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracked, or table specified 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 lightning 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 when the 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.

Warning:

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

The apparatus must not be exposed to dripping or splashing and no objects filled with liquids, such as vases, must be placed on the apparatus.

Safety symbols in this manual

Class II product : This symbol indicates that it does not require a safety connection of protective earthing(ground).

This product can be recycled. Products bearing this symbol must NOT be thrown away with normal household waste. At the end of the product's life, take to a collection point designated for recycling of electrical and electronic device. Find out more about return and collection points points through your local authority. The European Waste Electrial and Electronic Equioment(WEEE) Directive was implemented to dramatically reduce the amount of waste going to landfills thereby reducing the environmental impact on the planet and on human health. Please act respinsibil by recycling used products. If this product is still useable, consider giving it away or selling it.

Consignes de sécurité importantes

1. Lisez les instructions
2. Conservez les instructions
3. Tenez compte des Avertissements
4. Suivez toutes les instructions.
5. N'utilisez pas ce produit près de l'eau
6. Servez-vous d'un chiffon humide pour effectuer le nettoyage
7. Ne bloquez aucune bouche d'aération. Installez conformément aux instructions du fabricant.
8. Ne l'installez pas à proximité de sources de chaleur telles que radiateurs, registres de chaleur, cuisinières ou autres appareils (y compris les amplificateurs) qui produisent de la chaleur.
9. N'annulez pas l'objectif de sécurité de la fiche polarisée ou de mise à la terre. Une fiche polarisée a deux lames dont l'une est plus large que l'autre. Une fiche de type mise à la terre a deux lames et une troisième broche de mise à la terre. La lame large ou la troisième broche sont prévues pour votre sécurité. Si la fiche fournie ne rentre pas dans votre prise, consultez un électricien pour remplacer la prise obsolète.
10. Protégez le cordon d'alimentation contre tout piétinement ou pincement, en particulier au niveau des fiches, des prises de courant et du point de sortie de l'appareil.
11. Utilisez uniquement les fixations / accessoires spécifiés par le fabricant.
12. Utilisez uniquement avec le chariot, le support, le trépied, le support ou la table spécifié par le fabricant ou vendu avec l'appareil. Lorsqu'un chariot est utilisé, soyez prudent lorsque vous déplacez la combinaison chariot / appareil pour éviter les blessures dues au basculement.
13. Débranchez cet appareil pendant les orages ou lorsqu'il n'est pas utilisé pendant de longues périodes de moi.
14. Confiez toutes les réparations à un technicien qualifié. Un entretien est nécessaire lorsque l'appareil a été endommagé de quelque manière que ce soit, par exemple si l'alimentation électrique est froide ou lorsque la fiche est endommagée, du liquide a été renversé ou un objet est tombé dans l'appareil, l'appareil a été exposé à la pluie ou à l'humidité, ne fonctionner normalement ou a été abandonné.

Avertissement:

Pour réduire le risque d'incendie ou de choc électrique, n'exposez pas cet appareil à la pluie ou à l'humidité.

L'appareil ne doit pas être exposé à des gouttes ou des éclaboussures et aucun objet rempli de liquide, tel que des vases, ne doit être placé sur l'appareil.

Symboles de sécurité dans ce manuel

Produit de classe II: Ce symbole indique qu'il ne nécessite pas de connexion de sécurité de mise à la terre de protection (terre).

Ce produit peut être recyclé. Les produits portant ce symbole ne doivent PAS être jetés avec les ordures ménagères normales. À la fin de la vie du produit, apportez-le à un point de collecte désigné pour le recyclage des appareils électriques et électroniques. En savoir plus sur les points de retour et de collecte auprès de votre autorité locale. La directive européenne relative aux déchets d'équipements électroniques et électroniques (DEEE) a été mise en œuvre afin de réduire considérablement la quantité de déchets mis en décharge, réduisant ainsi l'impact environnemental sur la planète et sur la santé humaine. Veuillez agir de manière responsable en recyclant les produits usagés. Si ce produit est encore utilisable, envisagez de le donner ou de le vendre.

FCC Rules

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.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence.
L'exploitation est autorisée aux deux conditions suivantes :
1) L'appareil ne doit pas produire de brouillage;
2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement

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 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.

MPE Requirements

To satisfy FCC / IC RF exposure requirements, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during device operation.
To ensure compliance, operations at closer than this distance is not recommended.

Les antennes installées doivent être situées de facon à ce que la population ne puisse y être exposée à une distance de moin de 20 cm. Installer les antennes de facon à ce que le personnel ne puisse approcher à 20 cm ou moins de la position centrale de l' antenne.
La FCC des éltats-unis stipule que cet appareil doit être en tout temps éloigné d'au moins 20 cm des personnes pendant son functionnement.

Region Selection

Limited by local law regulations, version for North America does not have region selection option.

For IC WLAN device (5G band)

The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

les dispositifs fonctionnant dans la bande de 5 150 à 5 250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.

There are two ways to setup Wi-Fi connection for the Audio System on iOS :

Option 1, using iOS device:

A) Open Wi-Fi settings of your iOS device. In this screen find your speaker available for setup(only visible for 30minutes after power ON). Tap the speaker and follow the instructions for Wi-Fi setup. Alternatively:

B) Download and install Apple Home APP. This will allow you to setup your speakers Wi-Fi network and enter the Apple HomeKit universe. You can refer to Apple website for more information about Apple Home APP.

Option 2, using Google Home APP:
1. Download Google Home APP from App Store. Available from below link:

2. Power ON SM450. Await green LED flashing (2 min).
3. Open Google Home APP and follow the instructions for setup.
4. SM450 should be connected to your network and LED should be solid green when done.

Wi-Fi setup, Android:

1. Download Google Home APP from Google Play, using below link:

2. Power ON SM450. Await green LED flashing (2 min).
3. Open Google Home APP and follow the instructions for setup.
4. SM450 should be connected to your network and LED should be solid green when done.

Wi-Fi audio playback:

AirPlay playback:

- To playback from a device supporting Apple AirPlay, you must connect your source device to the same network as your SM450.
- From the playback device, you can activate AirPlay playback by pressing below icon and choose SM450.

Works with Apple AirPlay

ChromeCast playback:

- Make sure your playback device is on the same network as your SM450.
- From any ChromeCast supported APP, you can find the ChromeCast, if it is on the same network as your SM450. Simply press the logo and choose SM450.

Chromecast built-in

Spotify Connect playback:

- Open Spotify APP and make sure the unit is on the same network as the SM450.
- From Spotify APP you can choose the SM450 as playback unit. Look for below icon.
- The Spotify software is subject to third party licenses found here: https://developer.spotify.com/esdk-third-party-licenses/

Spotify®

Bluetooth audio playback:

- SM450 is always available for pairing with any Bluetooth audio compatible device. Go to Bluetooth settings on your device and connect with the SM450.
- When connection is established, you can start playback immediately from any APP supporting Bluetooth playback.
- Choose Bluetooth input on your remote.
- Volume is adjusted from playback APP.
- If another user wants to playback from Bluetooth, just disconnect current user and connect new user.
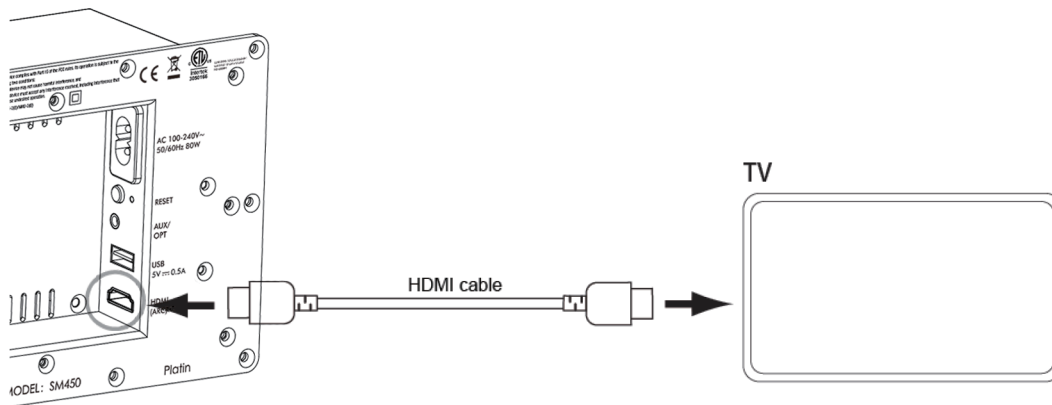
Connect SM450 with your TV using HDMI (ARC):

1. Check that your TV has HDMI ARC (Audio Return Channel) and connect the SM450 with this input, using HDMI 1.4 or newer cable.
2. Connect main power to your SM450 unit and power it ON.
3. Power ON your TV, enable HDMI/ARC audio input from TV side. Make sure to setup audio output to PCM.
4. SM450 will now be operated from your TV via CEC commands from TV. This will allow you to use your TV-remote to adjust volume of the SM450 and also the SM450 will power ON and OFF together with your TV.
5. If there is no audio applied for a period of 20 minutes, the SM450 will go to standby automatically. When audio returns, the SM450 will automatically power ON again.

Aux cable
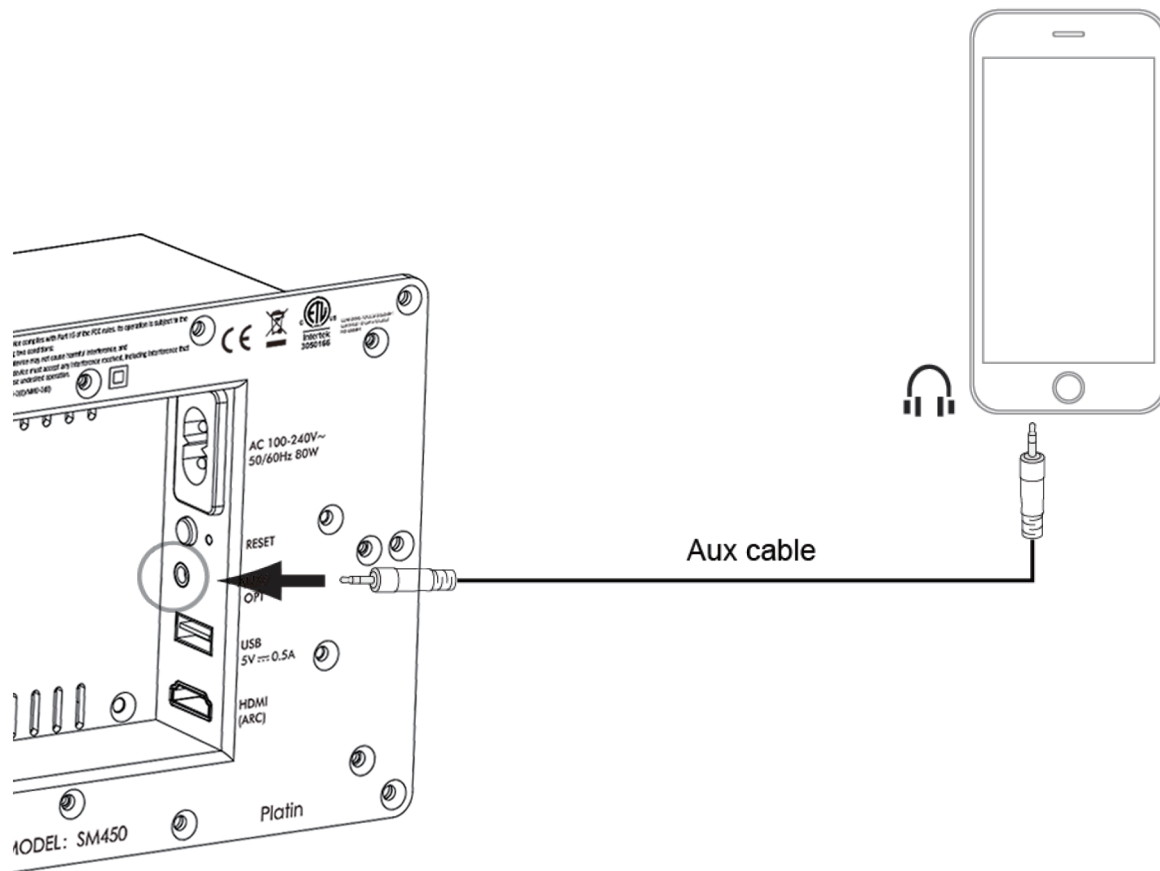
Connect SM450 with audio source or TV, using 3.5mm AUX analogue interface:

1. An audio source can be connected to the SM450 using a 3.5mm AUX input cable.
2. After connecting audio cable between audio source and SM450, connect main power to your SM450 unit and power it ON.
3. Power ON audio source. If TV's headphone output is used, make sure that the output is enabled from TV side.
4. SM450 will automatically detect the audio coming from the AUX input and playback the audio from it. Alternatively, you can change the input manually using the remote.
5. If there is no audio applied for a period of 20 minutes, the SM450 will go to standby automatically. When audio returns, the SM450 will automatically power ON again.
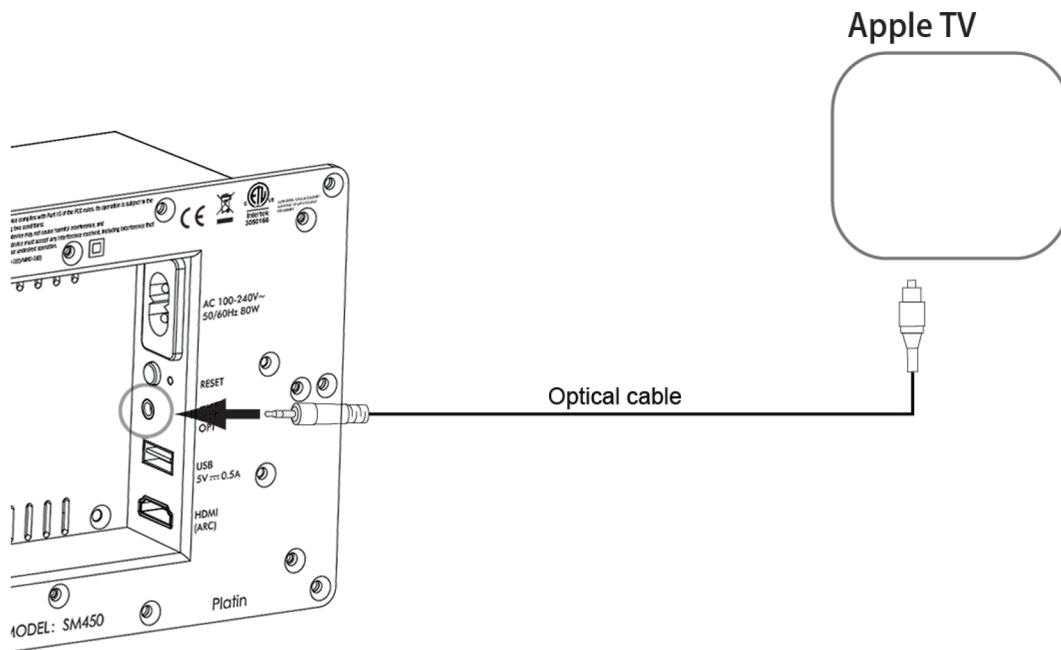
**Connect SM450 with TV or source, using 3.5mm AUX optical digital interface:**

1. An audio source or TV with digital SPDIF output can be connected to the SM450 via 3.5mm optical input (it shares same input jack as the analogue AUX input). Note this uses a 3.5mm optical input connector.
2. After connecting optical cable between audio source and SM450, connect main power to your SM450 unit and power it ON.
3. Power ON audio source.
4. SM450 will automatically detect the audio coming from the AUX optical input and playback the audio from it. Alernatively, you can change the input manually using the remote.
5. If there is no audio applied for a period of 20 minutes, the SM450 will go to standby automatically. When audio returns, the SM450 will automatically power ON again.

The SM450 features intelligent power management and input selection system. If any input has audio signal, it will be played by the SM450.

If more than one input has audio signal, input will be selected by priority. SM450 will playback the input with the highest priority. Priority order is shown below:

1. BT and Wi-Fi(highest priority)
2. HDMI
3. AUX (lowest priority)
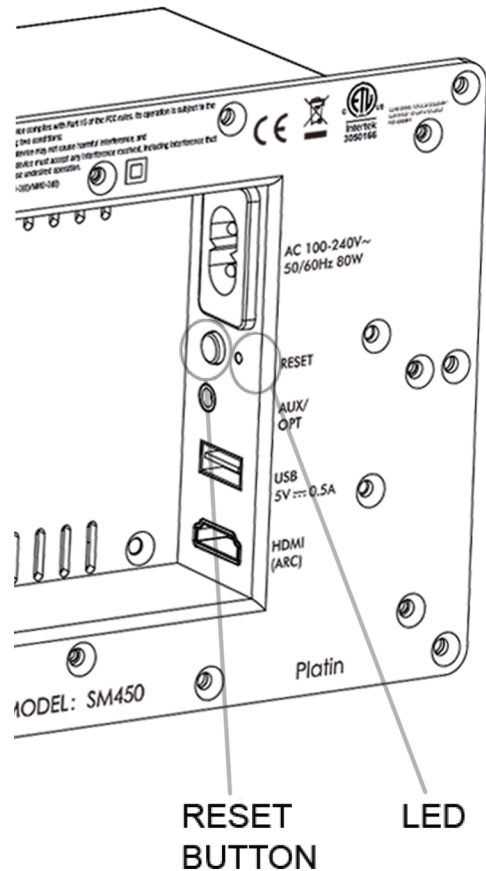
Factory default reset:

The SM450 can be reset to factory default settings. This is done by pressing the 'reset' button for 10 seconds and await restart. After this, the SM450 will be reset and ready for new setup.

Remote control pairing:

The system remote works with radio frequencies, so it must be paired initially with your system. To establish the connection, please perform below steps:
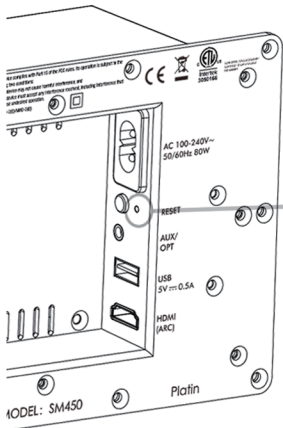1.   Connect power to your system and wait 90 seconds for bootup.
2.   Insert batteries into your remote, and confirm that it is working by pressing a button.
3.   Press the reset button on the electronics unit once (not on the remote). You will see orange blinking.
4.   Press any button you wish on the remote to connect.
5.   When pairing is done, LED on SM450 will stop orange blinking.
6.   The link is now established between your SM450 unit and the remote.

Remote control:

The system remote control can be used to operate the system. The remote has 2-way communication, making the status visible on the remote at all times. With the remote you can:
•   Change the input of the system and see which input is currently played
•   Adjust the system volume and see the current volume setting
•   Music playback control for the sources supporting this feature
•   Power the system ON/OFF

Green blinking	....	Network configuration mode
Green Solid	....	Network connected/Wi-Fi or Bluetooth streaming
Red Solid	....	HDMI input playing
Red blinking	....	Firmware upgrading
Orange solid	....	AUX input playing
Yellow blinking	....	Booting up
Yellow solid	....	ChromeCast playing

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