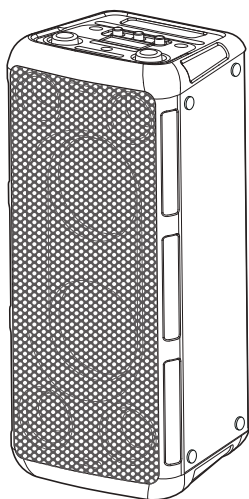


Operating Instructions
Instrucciones de funcionamiento

Wireless Speaker System Sistema de altavoces

Model No. **SC-TMAX45**
SC-TMAX15



Thank you for purchasing this product.

For optimum performance and safety, please read these instructions carefully.

Please keep this manual for future reference.

Muchísimas gracias por haber adquirido este aparato.

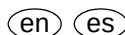
Para un desempeño y seguridad óptimos, por favor lea estas instrucciones cuidadosamente.

Guarde este manual para su consulta en el futuro.



Panasonic
Entertainment & Communication Co., Ltd.

Web Site: <https://www.panasonic.com>



These operating instructions are applicable for models SC-TMAX45 and SC-TMAX15.
Your system and the illustrations can look differently.

The symbols on this product (including the accessories) represent the following:

 AC

 DC

 Class II equipment (The construction of the product is double-insulated.)

 ON

 Standby

For Australia and New Zealand



**Disposal of Old Equipment and Batteries
Only for European Union and countries
with recycle systems**

These symbols are only valid in the European Union and countries with recycling systems.
If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal.

For Thailand

This telecommunication equipment conforms to NTC/NBTC technical requirement.

For Paraguay

Importer information of Paraguay
Name: Laser Import S.A. Paraguay
Address: Via Ferrea 24 40 C AVDA Brasilia, Asunción
C.P. 9999, Paraguay
Phone number: +595 982840354

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Safety precautions

WARNING!

- Unit**
- To reduce the risk of fire, electric shock or product damage,
 - Do not expose this unit to rain, moisture, dripping or splashing.
 - Do not place objects filled with liquids, such as vases, on this unit.
 - Use the recommended accessories.
 - Do not remove covers.
 - Do not repair this unit by yourself. Refer servicing to qualified service personnel.
 - Do not let metal objects fall inside this unit.

CAUTION!

- Unit**
- To reduce the risk of fire, electric shock or product damage,
 - Do not install or place this unit in a bookcase, built-in cabinet or in another confined space. Ensure this unit is well ventilated.
 - Do not obstruct this unit's ventilation openings with newspapers, tablecloths, curtains, and similar items.
 - Do not place sources of naked flames, such as lighted candles, on this unit.
 - This unit is intended for use in moderate and tropical climates.
 - This unit may receive radio interference caused by mobile telephones during use. If such interference occurs, please increase separation between this unit and the mobile telephone.
 - Set the unit up on an even surface away from direct sunlight, high temperatures, high humidity, and excessive vibration.
 - This system might get warm after prolonged usage. This is normal. Do not be alarmed.

AC mains lead

- The mains plug is the disconnecting device. Install this unit so that the mains plug can be unplugged from the socket outlet immediately.

THE FOLLOWING APPLIES ONLY IN THE U.S.A.

Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

FCC ID: ESX-TMAX45 (for SC-TMAX45)
ESX-TMAX15 (for SC-TMAX15)

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.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Note on AC mains lead

(For the AC mains plug of three pins)

Before use

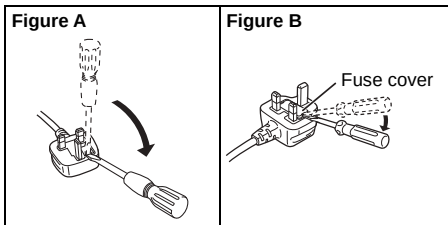
Remove the connector cover.

How to replace the fuse

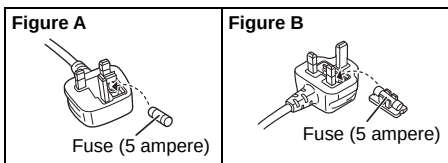
The location of the fuse differ according to the type of AC mains plug (figures A and B). Confirm the AC mains plug fitted and follow the instructions below.

Illustrations may differ from actual AC mains plug.

1. Open the fuse cover with a screwdriver.



2. Replace the fuse and close or attach the fuse cover.



Supplied accessories

Check and identify the supplied accessories.

- ☐ **1 Optical cable**
(TSXF231)
- ☐ **For Latin America**
1 AC plug adapter
(TSXX212)
- ☐ **For Latin America**
1 AC mains lead
(TSXA226)
For India
1 AC mains lead
(TSXA231)
For others
4 AC mains lead
For Hong Kong
(TSXA227)
For Thailand
(TSXA229)
For Australia and New Zealand
(TSXA228)
Except for Hong Kong, Thailand, Australia and New Zealand
(TSXA226)

Note:

Use the AC mains lead that is suitable for your household mains socket.

Transporting the unit

Preparation

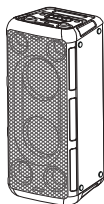
Disconnect all connected devices and cables from the unit.

- 1 Hold the handle of the unit firmly when transporting the unit.
- 2 Place the unit on a flat, stable surface with the rubber feet facing down.

Placement

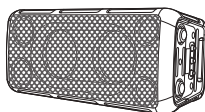
You can place this system vertically or horizontally.

Vertical placement



Horizontal placement

(Place the side with the rubber feet facing down.)

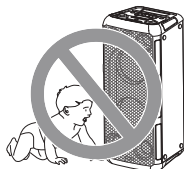


Note:

- Keep your speakers more than 10 mm from other objects for proper ventilation.
- These speakers do not have magnetic shielding. Do not put them near TVs, PCs or other equipment easily influenced by magnetism.
- When you play at high levels for a long period, it can cause damage to the speakers and decrease the life of the speakers.
- Decrease the volume in these conditions to prevent damage:
 - When the sound is distorted.
 - When you adjust the sound quality.

CAUTION!

- Improper handling or transportation manner may cause the unit to fall, etc., resulting in damage and/or personal injury.
- Do not place the unit on a sloping or unstable surface.
- Do not place your feet under the unit.
- Do not touch the speaker cone's reverberating surfaces:
 - This may damage the speaker cone.
 - The speaker cone may be hot.
- Do not put the unit on a table or any elevated surface.
- Do not allow children to climb on the unit.
- Be careful when babies or children are near.



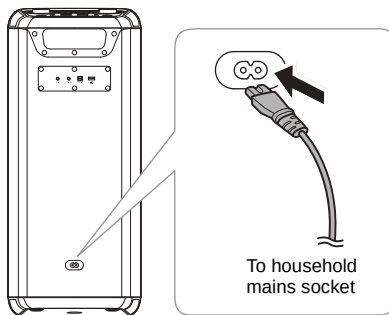
Making the connections

Connect the AC mains lead only after all the other connections have been made.

Connect the AC mains lead.

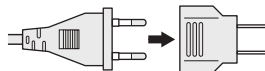
Do not use any other AC mains lead except the supplied one.

Rear view



For Latin America

If the power plug does not fit your socket, use the supplied AC plug adapter.

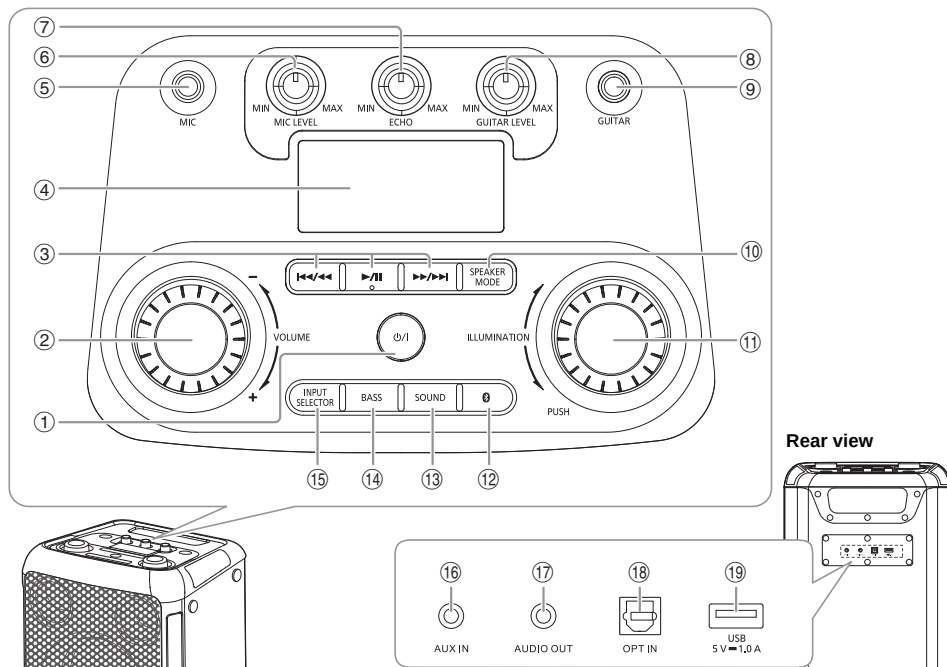


Conserving power

The system consumes a small amount of power when it is in standby mode. Disconnect the power supply if you do not use the system.

Some settings will be lost after you disconnect the system. You have to set them again.

Overview of unit



① Standby/on switch [⏻/⏻]

Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.

② Adjust the volume level

③ Basic playback control

④ Display panel

⑤ Microphone jack

⑥ Adjust the microphone volume level

⑦ Adjust the microphone echo level

⑧ Adjust the guitar volume level

⑨ Guitar jack

⑩ Select the speaker mode

⑪ Select the illumination effects and colours

⑫ Select Bluetooth® as the source

⑬ Select the sound effect

ROCK → JAZZ → SAMBA → POP → FLAT

⑭ Switch on or switch off the bass effect

ON BASS ↔ OFF BASS

Note:

When you switch on the bass effect, the sound effect will switch off, and vice versa.

⑮ Select the audio source

BLUETOOTH → USB → OPT → AUX

⑯ AUX IN jack

⑰ AUDIO OUT jack

⑱ Optical In jack

⑲ USB port (5 V = 1.0 A)

Bluetooth® operation

You can connect and play an audio device wirelessly through Bluetooth®.

Preparation

- Switch on the unit.
- Switch on the Bluetooth® feature of the device and put the device near the system.
- Read the operating instructions of the device for details.

Pairing a device

- 1 Press [].
"PAIRING" is shown.
- 2 Select "SC-TMAX45" or "SC-TMAX15" from the Bluetooth® menu of the device.
If prompted for a passkey, input "0000".
The device connects with this system automatically after pairing is complete.

Note:

- If a Bluetooth® device is connected, you need to disconnect the device before pairing a new device (⇒ "Disconnecting a device").
- You can pair up to 8 devices with this system. If a 9th device is paired, the device that has been paired for the longest time will be replaced.
- Depending on the searching functionality of the Bluetooth® device and the surrounding environment, if the product name is not shown on the Bluetooth® menu of the device, switch off and then switch on the Bluetooth® feature of the device repeatedly during the pairing process.

Connecting a device

- 1 Press [].
- 2 Select "SC-TMAX45" or "SC-TMAX15" from the Bluetooth® menu of the device.
- 3 Start playback on the device.

Note:

- A device must be paired to connect.
- When "BLUETOOTH" is selected as the source, this system will automatically try to connect to the last connected device.

Bluetooth® playback

Play	Press [].
Pause	Press []. Press again to continue playback.
Skip	Press [] or [] to skip track.
Search	Press and hold [] or [].

Note:

Depending on the Bluetooth® device, some operations may not work.

Multi Connect

This system supports Multi Connect, which can connect up to 2 devices simultaneously.

To switch between the connected devices

When one of the connected devices is playing, you can easily switch control to another connected device simply by starting a playback on that device. The previous playback will be paused automatically.

Note:

This function may not work for some apps or devices (depending on app or device specifications).

Disconnecting a device

While a Bluetooth® device is connected

Press and hold [].

"PAIRING" is shown.

Note:

- This function disconnects all connected devices.
- A device is disconnected when you:
 - Select a different source.
 - Move the device out of the maximum range.
 - Disable the Bluetooth® transmission of the device.
 - Switch off the unit or the device.

Bluetooth® standby

This function automatically switches on the system when you establish a Bluetooth® connection from a paired device.

Press and hold [] to switch on this function.

"ON BLUETOOTH STANDBY" is shown.

To cancel, press and hold the button again until "OFF BLUETOOTH STANDBY" is shown.

Note:

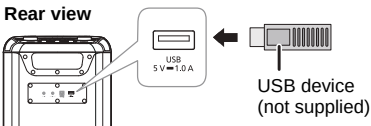
- Some devices may take longer to respond. If you are connected to a Bluetooth® device before switching off the system, wait for a minimum of 5 seconds before connecting to this system from your Bluetooth® device again.
- When you disconnect and connect the AC mains lead, the Bluetooth® standby function may not work even though the setting is on. In this case, switch on the unit and check the Bluetooth® standby setting.

Using a USB device

Preparation

Before you connect a USB device to the system, make sure you do a backup of the data.

Decrease the volume and connect the USB device to the USB port.



Hold the unit when connecting or disconnecting the USB device.

Note:

Do not use a USB extension cable. The system cannot recognize USB device connected through a cable.

USB playback

You can playback MP3 files in the USB device.

Press **[INPUT SELECTOR]** repeatedly to select "USB".

Play	Press [▶/II] .
Pause	Press [▶/II] . Press again to continue playback.
Skip	Press [◀◀/▶▶] or [▶▶/▶▶] to skip track. During pause, press and hold [▶/II] to skip album.
Search	Press and hold [◀◀/▶▶] or [▶▶/▶▶] .
Repeat	During playback, press and hold [▶/II] repeatedly to select a repeat mode. ONE REPEAT: Repeat a single track. ALL REPEAT: Repeat all tracks. OFF REPEAT: Cancel repeat.

Note:

- Files are defined as tracks and folders are defined as albums.
- Tracks must have the extension ".mp3" or ".MP3".
- Tracks will not necessarily be played in the order you recorded them.
- Some files can fail to work because of the sector size.

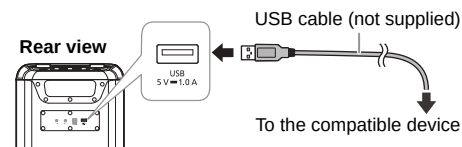
Charging a device

Charging starts when a device (rated value: 5 V/1 A) is connected to the USB port of this unit.

Preparation

Switch on the unit.

Connect a device.



Confirm from the screen of the connected device, etc. to make sure charging has started.

Note:

- A cable compatible with your device is required. Use the cable that comes with your device.
- Even if you connect a cable compatible with the USB port of this unit, your device may not be charged. In that case, use the charger that comes with the device.
- Do not connect a device with a rated value higher than 5 V/1 A to this unit.
- To check if charging is complete, look at the screen of the connected device, etc.
- Once fully charged, remove the USB cable from the USB port.
- Charging stops if auto off function is activated.

External equipment

Preparation

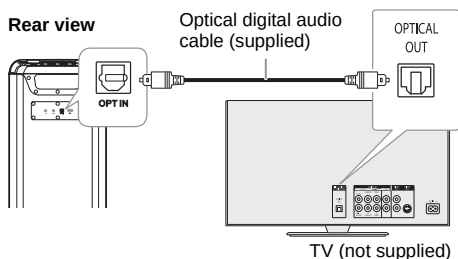
- Disconnect the AC mains lead.
- Switch off all equipment and read the appropriate operating instructions.

Note:

- Do not bend cables at sharp angles.
- Components and cables are sold separately.
- Switch off the equalizer or reduce the volume of the external device. High level of input signal can distort the sound.

Using the optical input

You can connect a TV, VCR, DVD player etc., and listen to the audio through this unit.



- 1 Connect an external device.
- 2 Switch on the unit.
- 3 Press **[INPUT SELECTOR]** repeatedly to select "OPT".
- 4 Play the external device.

Note:

- This system supports linear PCM signal.
- Supported Sampling frequency: 32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, up to 96 kHz
- The sound is muted or noise could occur if the signal format or frequency is not supported.
- If there are sounds coming from the TV's speakers, decrease the volume of the TV to its minimum.

Using the auxiliary input



- 1 Connect an external device.
Plug type: Ø 3.5 mm stereo
- 2 Switch on the unit.
- 3 Press **[INPUT SELECTOR]** repeatedly to select "AUX".
- 4 Play the external device.

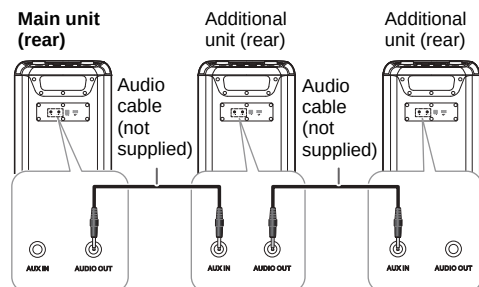
Connecting additional units

You can connect to additional units to enjoy sound output from these units.

It is recommended to place all units vertically.

Preparation

Switch off all the units and turn [VOLUME] of each unit to reduce the volume level.



1 Connect main unit and all the additional units (SC-TMAX45 or SC-TMAX15) with audio cables (not supplied).
Plug type: Ø 3.5 mm stereo

2 Switch on all the units.

3 On the additional units:
Press [INPUT SELECTOR] repeatedly to select "AUX".

4 Press [SPEAKER MODE] repeatedly to select the desired speaker channels.
L+R: left and right channels
L: left channel
R: right channel

5 On main unit:
Start your desired playback.

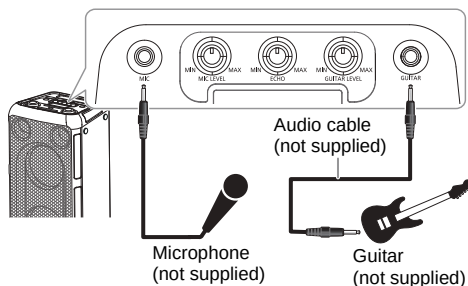
Note:

- You can connect this unit and up to two additional units.
- The sound effect will be controlled separately by each unit. Make the same sound settings on the additional units if necessary.
- The illumination and strobe lights effects on the additional units may differ from the main unit even when same illumination pattern is selected.

Using a microphone or guitar

Preparation

Turn [MIC LEVEL] and [GUITAR LEVEL] to their minimum before you connect or disconnect a microphone/guitar.



1 Connect a microphone or guitar.
Plug type: Ø 6.3 mm monaural

2 Adjust the volume of microphone or guitar.

For microphone: Turn [MIC LEVEL].

For guitar: Turn [GUITAR LEVEL].

3 If you want to sing with the background music, play the music source and adjust the volume of the system.

Adjust echo level

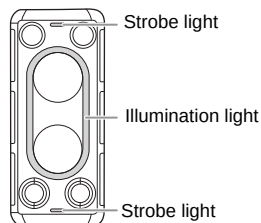
Turn [ECHO] to adjust the echo level of the microphone.

Note:

- If a strange noise (howling) is emitted, move the microphone/guitar away from the speakers, or decrease the volume of the microphone/guitar.
- When you do not use the microphone/guitar, disconnect it from the microphone/guitar jack, and decrease the volume of the microphone/guitar to its minimum.

Illumination effects

You can change the illumination effect on the unit.



Turn [ILLUMINATION] to select the effect.

M-1 to M-9	Selection of 9 illumination patterns in multiple colours.
S-1 to S-3	Selection of 3 illumination patterns in single colour. Press [ILLUMINATION] repeatedly to select a colour.
OFF	Switch off illumination and strobe lights, also decrease the brightness of the display panel.

Using strobe lights

Press and hold [ILLUMINATION] to switch on or switch off the strobe lights.

Others

Auto off

This function will automatically switch the system to standby mode if there is no sound and it is not being used for approximately 20 minutes.

Note:

This function may not work when a microphone/guitar is connected.

Software update

Occasionally, Panasonic may release updated software for this unit that may add or improve the way a feature operates. These updates are available free of charge. For more details, refer to the following website.

<https://panasonic.jp/support/global/cs/audiol/>
(This site is in English only.)

Troubleshooting

Before requesting service, make the following checks. If you are in doubt about some of the check points, or if the solutions indicated do not solve the problem, consult your dealer for instructions.

Common problems

The unit does not work.

- The safety device has been activated. Do the following:
 - Press [⏻] on the main unit to switch the unit to standby mode. If the unit does not switch to standby mode, disconnect the AC mains lead and then connect it again.
 - Press [⏻] again to switch on the unit. If the problem persists, consult your dealer.

Sound is distorted or no sound.

- Adjust the volume of the system.
- Switch off the system, determine and correct the cause, and then switch on again. It can be caused by straining of the speakers through excessive volume or power, and when using the system in a hot environment.

A humming sound can be heard during playback.

- An AC mains lead or fluorescent light is near the cables. Keep other appliances and cords away from the cables of this system.

The sound level reduces.

- The protection circuit has been activated due to the continuous use at high volume output. This is to protect the system and maintain the sound quality.

USB

The USB device or the contents in it cannot be read.

- The format of the USB device or the contents in it are not compatible with the system.
- USB devices with storage capacity of more than 32 GB cannot work.
- USB devices may not be recognised when connected to this system with a USB extension cable or USB hub.

Slow operation of the USB device.

- Large content size or large memory USB device takes longer time to read.

Bluetooth®

Pairing cannot be done.

- Check the Bluetooth® device condition.
- The device is out of the 10 m communication range. Move the device nearer to the system.

The device cannot be connected.

- The pairing of the device was unsuccessful. Do pairing again. (⇒ 6)
- The pairing of the device has been replaced. Do pairing again. (⇒ 6)
- This system might be connected to a different device. Disconnect the other device and try connecting the device again.
- The system may have a problem. Switch off the system and then switch on again.

The device is connected but audio cannot be heard through the system.

- For some built-in Bluetooth® devices, you have to set the audio output to "SC-TMAX45" or "SC-TMAX15" manually. Read the operating instructions of the device for details.

Playback during Multi Connect is not working or no sound.

- Restart the app of the device.
- The control of the device was not switched successfully. Disconnect the existing connected devices and try again.

Sound from the device is interrupted.

- The device is out of the 10 m communication range. Move the device nearer to the system.
- Remove any obstacle between the system and the device.
- Other devices that use the 2.4 GHz frequency band (wireless router, microwaves, cordless phones, etc.) are interfering. Move the device nearer to the system and distance it from the other devices.

Factory reset

Reset the memory when the following situations occur:

- There is no response when buttons are pressed.
- You want to clear and reset the memory contents.

1 Turn [VOLUME] to set the volume to "0".

2 Press and hold [INPUT SELECTOR] and [BASS].

Continue to press and hold the buttons until "RESET" is shown.

All the settings are set back to the factory preset.

Note:

You cannot perform factory reset when Bluetooth® standby function is switched on.

Specifications

General

Power supply	AC 110 V to 240 V, 50/60 Hz
Power consumption	
TMAX45	200 W
TMAX15	150 W
Power consumption in standby mode (approximate)	
With "OFF BLUETOOTH STANDBY" setting	0.5 W
With "ON BLUETOOTH STANDBY" setting	2.0 W

Dimensions (W x H x D)

TMAX45	280 mm x 650 mm x 315 mm
TMAX15	280 mm x 550 mm x 310 mm

Mass

TMAX45	12.0 kg
TMAX15	9.0 kg

Operating temperature range 0°C to +40°C

Operating humidity range 35% to 80% RH (no condensation)

Amplifier section

RMS output power stereo mode

TMAX45	
Mid bass	250 W per channel (6 Ω), 1 kHz, 30% THD
Tweeter	250 W per channel (6 Ω), 30% THD
Total RMS stereo mode power	1000 W
TMAX15	
Mid bass and tweeter	150 W per channel (4 Ω), 1 kHz, 30% THD
Total RMS stereo mode power	300 W

Bluetooth® section

Version	Bluetooth® Ver. 5.0
Class	Class 1
Supported profiles	A2DP, AVRCP
Frequency band	2.4 GHz band FH-SS
Operating frequency	2402 MHz to 2480 MHz
Maximum power (EIRP)	8 dBm
Operation distance	10 m line of sight
Supported codec	SBC

Terminals section

USB port

USB standard	USB 2.0 full-speed
Media file format support	MP3 (*.mp3)
Maximum number of folders (albums)	99
Maximum number of files (songs)	999
Supported USB capacity	32 GB
USB device file system	FAT16, FAT32, exFAT
USB port power	DC OUT 5 V, 1.0 A (Max)

OPT IN

Optical digital input	Optical terminal
Sampling frequency	32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz
Supported bit depth	16 bits, 24 bits
Audio format	PCM (2 ch)

Microphone

Terminal	Mono, 6.3 mm jack (1 system)
----------	------------------------------

Guitar

Terminal	Mono, 6.3 mm jack (1 system)
----------	------------------------------

AUX IN

Terminal	Stereo, 3.5 mm jack (1 system)
----------	--------------------------------

AUDIO OUT

Terminal	Stereo, 3.5 mm jack (1 system)
----------	--------------------------------

Speaker section

Speaker unit(s)

TMAX45	
Woofer	16 cm x 2
Tweeter	6.3 cm x 2
TMAX15	
Woofer	14 cm x 2
Tweeter	5.7 cm x 2

Note:

- Specifications are subject to change without notice.
- Mass and dimensions are approximate.
- Total harmonic distortion is measured by the digital spectrum analyser.

Maintenance

Disconnect the AC mains lead before maintenance.
Clean this system with a soft, dry cloth.

- Never use alcohol, paint thinner or benzine to clean this system.
- Before using chemically treated cloth, read the instructions that came with the cloth carefully.