

Personal Audio System

Operating Instructions

Getting started

About SongPal

Listening to music through a
BLUETOOTH connection

Listening to music via a Wi-
Fi network

Listening to music with
connected components

Additional information



Refer to the Wi-Fi Startup Guide (separate document) for how to listen to music stored in your PC or other device over your Wi-Fi network.

Before operating the system, please read this guide thoroughly and retain it for future reference. To reduce the risk of fire, do not cover the ventilation opening of the appliance with newspapers, tablecloths, curtains, etc.

Do not expose the appliance to naked flame sources (for example, lighted candles).

To reduce the risk of fire or electric shock, do not expose this apparatus to dripping or splashing, and do not place objects filled with liquids, such as vases, on the apparatus.

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

Do not expose batteries or apparatus with battery installed to an excessive heat such as sunshine, fire or the like.

As the main plug is used to disconnect the unit from the mains, connect the unit to an easily accessible AC outlet. Should you notice an abnormality in the unit, disconnect the main plug from the AC outlet immediately.

The system is not disconnected from the mains as long as it is connected to the AC outlet, even if the system itself has been turned off.

CAUTION

When using a LAN cable, use a shielded type.

It should be installed and operated with at least 20 cm and more between the radiator and person's body (excluding extremities: hands, wrists, feet and ankles).



Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

Precautions

On safety

The nameplate indicating the Sony trademark, model number and electrical rating is located on the bottom exterior of this unit.

The MAC address is located on the bottom exterior of this unit.

MAC1: MAC address of wired network

MAC2: MAC address of Wi-Fi network

- Before operating the unit, be sure that the operating voltage of the unit is identical with that of your local power supply.

Where purchased	Operating voltage
All countries/regions	120 V – 240 V AC, 50 Hz/60 Hz

Notes on the AC adaptor

- When connecting or disconnecting the AC adaptor, turn off the unit beforehand. Otherwise, it may cause malfunction.
- Use only the supplied AC adaptor. To avoid damaging the unit, do not use any other AC adaptor.



Polarity of the plug

- Plug the AC adaptor into a nearby wall outlet. In the case of a problem, unplug it from the wall outlet immediately.
- Do not install the AC adaptor in a confined space, such as a bookcase or built-in cabinet.
- To reduce the risk of fire or electric shock, do not expose the AC adaptor to dripping or splashing, and do not place objects filled with liquids, such as vases, on the AC adaptor.

On placement

- Do not set the unit in an inclined position.
- Do not leave the unit in a location near heat sources, or in a place subject to direct sunlight, excessive dust, moisture, rain or mechanical shock.

On operation

- Do not insert any small objects, etc., into the jacks or ventilation hole on the rear of the unit. The unit may short out or malfunction.

On cleaning

- Do not use alcohol, benzene, or thinner to clean the cabinet.

Others

- If you have any questions or problems concerning this unit that are not covered in this manual, please consult your nearest Sony dealer.
- When disposing of or giving away this unit, make sure to initialize it to reset all settings to the factory defaults (page 20).
- If the inside of the unit heats up after extended use in a hot environment, charging may not start. This is to protect the battery and is not a malfunction. When the inside of the unit has cooled down, charging will start.

Disposing of the unit

For environment protection, remove the built-in lithium-ion battery pack from the unit.

Before removing the battery, drain the battery by removing the AC adaptor and using the unit only with the battery.

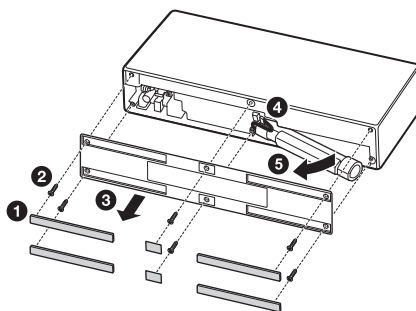
Take out the lithium-ion battery for recycling.

Do not open the cabinet other than when disposing of the unit.

1 Turn off the unit and remove the AC adaptor.

2 Detach the cover of the bottom of the unit to remove the battery pack.

- Remove the 6 rubber covers from the bottom of the unit.
- Remove the 6 screws.
- Remove the cover.
- Remove the connector plug from the unit.
- Remove the battery.



Note

- Be careful not to damage the cord cover with metallic tweezers, etc. when you remove the battery pack from the unit.
- Do not put the battery into a fire. Also, do not heat the battery, or apply pressure to the battery.**

Documents provided



Operating Instructions (this document)

Explains important safety information, BLUETOOTH connection method, troubleshooting, etc.



Wi-Fi Startup Guide (separate document)

Explains how to listen to music stored in your PC or other device over your Wi-Fi network.



Help Guide (web document for a PC/ smartphone)

Explains details about the unit; network and BLUETOOTH connection method with various devices, High-Resolution Audio playback method, etc.

http://rd1.sony.net/help/speaker/srs-x77/h_zz/



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To download, please access the following URL then select the model name “SRS-X77”.
URL: <http://oss.sony.net/Products/Linux/>
Please note that Sony cannot answer or respond to any inquiries regarding the content of the source code.

Notes on the update

If you use this unit while connected to the Internet via a wired or Wi-Fi network, the unit can update to the latest software automatically. By updating the software, new features will be added enabling you to experience more convenient and stable use.

If you do not want to automatically update the software, you can disable this function by using the SongPal installed on your smartphone/iPhone.

However, the software may be updated automatically for stable use, etc., even if you disable this function. Also, if you disable this function, you can still update the software manually.

For details about how to set and operate, refer to the Help Guide.

The unit may not be operational while updating.

Disclaimer regarding services offered by third parties

Services offered by third parties may be changed, suspended, or terminated without prior notice. Sony does not bear any responsibility in these sorts of situations.

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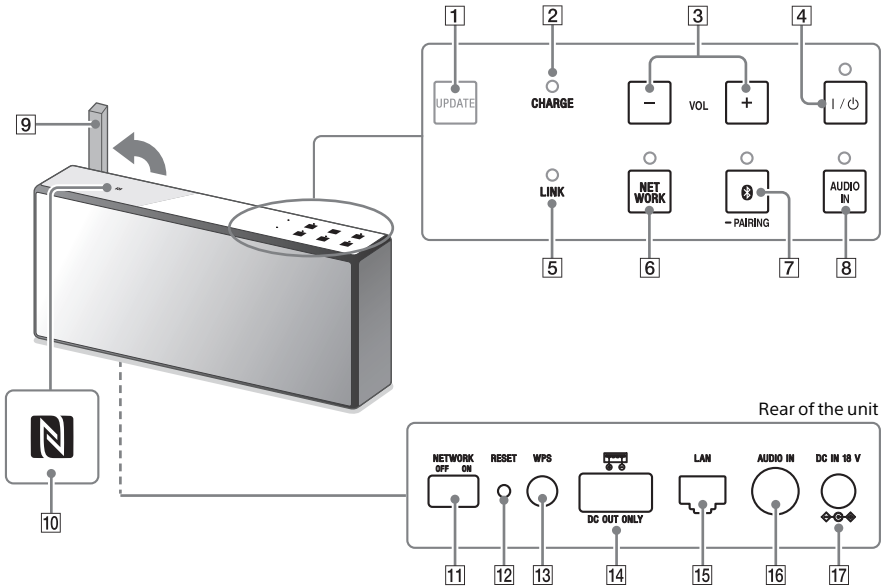
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Location and function of controls



1 UPDATE button

Indicates the status of the unit's software update.

2 CHARGE indicator

Display the charging status of the built-in lithium-ion battery by the lighting and flashing of the indicator.

3 VOL (volume) +/- buttons

Tap to adjust the volume. The I/⏻ (on/standby) indicator flashes according to the volume adjustment when tapped.

4 I/⏻ (on/standby) button/indicator

Tap to turn the power of the unit on and off.

5 LINK indicator

Indicates the status of the network connection of the unit.

6 NETWORK button/indicator

Tap to switch the unit to NETWORK mode.

Tap to use various music services or listen to music stored in a device on the home network with the unit.

7 Bluetooth - PAIRING button/indicator

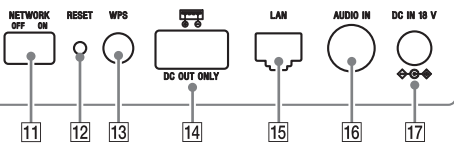
Tap when pairing or connecting with a BLUETOOTH device or listening to music with a BLUETOOTH device.

Tap once to switch the unit to BLUETOOTH mode. Tap and hold to switch the unit to pairing mode.

8 AUDIO IN button/indicator

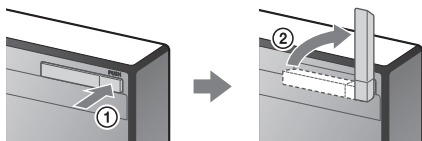
Tap to listen to music in a device connected to the AUDIO IN jack. The AUDIO IN indicator lights up when tapped.

Rear of the unit



9 Wi-Fi antenna (aerial)

Set upright during Wi-Fi connection as below.



- 1 Push the right side of the antenna (aerial), and the antenna (aerial) comes out from the recess.
- 2 Bring up the antenna (aerial).

10 N-Mark

If your smartphone is NFC-compatible, touch the smartphone on the N-Mark. The unit will turn on automatically and registering (pairing) and BLUETOOTH connection can be made.

11 NETWORK OFF/ON switch

Turn the network function on and off. Set this switch to ON when connecting to the network.

12 RESET button

Push to reset the unit.

13 WPS button

Press and hold when connecting to a Wi-Fi network.

Beeps will be heard by pressing and holding the WPS button for 2 seconds, which indicates that the unit is ready to connect to a wireless router.

If your wireless router has a WPS button, you can use this button to connect to the network.

14 DC OUT ONLY port (USB)

Connect a USB device, such as smartphone, using a USB cable (not supplied) to charge from the unit. If you play music on the connected USB device, sound will not be output from the unit.

15 LAN port

Use a LAN cable (not supplied) to connect the PC or the wireless router. When using a LAN cable, use a shielded type.

16 AUDIO IN jack

Connect to the headphone jack of a portable audio device, etc., using a audio cable (not supplied).

17 DC IN 18 V jack

Connect the AC adaptor (supplied).

When the indicator is lit or flashing

I/⏻ (on/standby) indicator

Indicator status (color)	Unit status
Lights up (green)	The unit is turned on.
Lights up (orange)	The unit is in the BLUETOOTH/Network standby mode. The BLUETOOTH/Network standby function can be set only when the unit is connected to an AC outlet via the AC adaptor. When the unit is being powered by the built-in battery only, the BLUETOOTH/Network standby function is not available.
Turns off	The unit is in the standby mode.
Flashes (green)	<ul style="list-style-type: none">• If you tap the I/⏻ (on/standby) button to turn off the unit, the indicator flashes slowly in green, then lights up in orange or turns off. While the indicator is flashing, the unit is not operational.• When you tap the VOL (volume) -/+ button, the indicator flashes once or three times according to the volume adjustment.
Flashes (red)	The unit is in the protect mode. See "I/⏻ (on/standby) indicator is flashing red" (page 19) for details.

CHARGE indicator

Indicator status (color)	Unit status
Turns off	Charging of the unit is completed.
Lights up (orange)	The unit is charging.

Indicator status (color)	Unit status
Flashes slowly (orange)	The built-in battery is running low and needs to be charged. In this state, the unit cannot supply power to other devices.
Flashes three times and turns off (orange)	If the CHARGE indicator flashes three times and goes off when you turn on the unit, the battery is empty and needs to be charged.

LINK indicator

Indicator status (color)	Unit status
Lights up (orange)	The unit is connected to a Wi-Fi network.
Lights up (pink)	The unit is connected to a wired network.
Flashes (orange)	The unit is in the process of connecting to a Wi-Fi network.
Flashes (pink)	The unit is in the process of connecting to a wired network.
Flashes (red)	The network connection failed.
Lights up (red)	The network connection failed, or connection failed even though the network setting is complete.

The color of the lit/flashing indicator changes depending on the connected music service.

► Refer to Help Guide for details.

http://rd1.sony.net/help/speaker/srs-x77/h_zz/



🔗 (BLUETOOTH) – PAIRING indicator

Indicator status (color)	Unit status
Lights up (white)	The unit is connected to a BLUETOOTH device.
Flashes quickly (white)	The unit is pairing with a BLUETOOTH device.
Flashes (white)	The unit is searching for a BLUETOOTH device to connect.

NETWORK indicator

Indicator status (color)	Unit status
Lights up (white)	The unit is in the NETWORK mode.
Flashes (white)	The unit is receiving an audio file via the network.

UPDATE button

Indicator status (color)	Unit status
Lights up (orange)	The button lights up in orange when the unit detects the latest software while connected to the Internet. When you tap and hold the lit button, the update of the unit's software is started.
Flashes (orange)	<ul style="list-style-type: none"> The unit is updating the software. During the update, you cannot operate the unit. When the unit turns on for the first time after the software update, the UPDATE button flashes three times to inform you that the update is completed.

About SongPal

What you can do with SongPal

SongPal is an application for controlling Sony audio devices which are compatible with SongPal using your smartphone/iPhone.

Search for SongPal on Google Play™ or the App Store, and download it.



Downloading this application on your smartphone/iPhone provides the following.

Sound settings of SRS-X77

You can easily customize your sound, or use Sony's recommended settings "ClearAudio+".

Music service*

You can configure the initial settings to use music services. To enjoy music services, a third party application is required.

Controlling devices on your home network

You can play music stored in your PC or home network server over your network.

▶ Refer to Help Guide for detailed operation.

http://rd1.sony.net/help/speaker/srs-x77/h_zz/



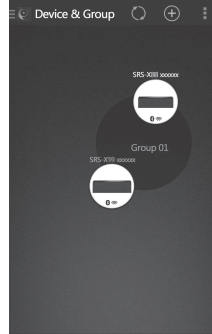
* Depending on the country and region, music services and their period of availability may differ.

A separate registration is required for certain services. An update of the device may be required.

The services provided by third parties may

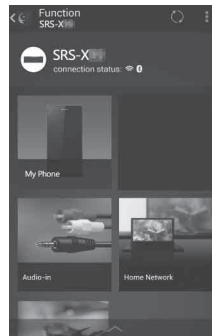
change, stop or be terminated without notice. Sony does not assume any responsibility for such situations.

What you can control with SongPal varies depending on the connected device. The specification and design of the application may change without notice.



The overview of the devices on the home network is displayed.

You can select the audio device to play or group the audio devices using SongPal Link (multi-room function).



You can select sound sources for playback from the list of the selectable sound sources. Also, you can make various sound/network settings of audio device.

▶ Refer to SongPal Help for more details. <http://info.songpal.sony.net/help/>



Listening to music through a BLUETOOTH connection

Pairing the unit with a BLUETOOTH device and listening to music

You can listen to music from BLUETOOTH device over a wireless connection. Before using the BLUETOOTH function, perform pairing to register your BLUETOOTH device.


Note

- When pairing the unit with a BLUETOOTH device, place the BLUETOOTH device within one meter of the unit.
- When pairing the unit with a BLUETOOTH device, connect the unit to the AC outlet or charge the battery sufficiently.
- If your BLUETOOTH device is compliant with one-touch connection (NFC), skip the next procedure. See "Listening to music by one-touch action (NFC)" (page 13).





1 Turn on the unit.

The I/⏻ (on/standby) indicator lights up in green.

2 Tap the (BLUETOOTH) - PAIRING button.


The  (BLUETOOTH) indicator begins to flash in white.

Tip

- From the factory, pairing information is not stored in the unit. As such, when you tap the  (BLUETOOTH) - PAIRING button, the  (BLUETOOTH) indicator will begin to flash quickly in white and the unit enters pairing mode automatically. In this case, proceed to step 4.
- When you tap the  (BLUETOOTH) - PAIRING button, the unit tries to make BLUETOOTH connection with the last connected BLUETOOTH device. If the device is nearby, the BLUETOOTH connection is established automatically and the  (BLUETOOTH) indicator stays lit. When you want to connect another

BLUETOOTH device, terminate the current BLUETOOTH connection by operating the currently connected BLUETOOTH device.

3 Tap and hold the (BLUETOOTH) - PAIRING button until beeps are heard.

The  (BLUETOOTH) indicator begins to flash quickly in white, and the unit enters pairing mode.

4 Perform the pairing procedure on the BLUETOOTH device to detect the unit.


When a list of detected devices appears on the display of the BLUETOOTH device, select "SRS-X77".

If passkey entry is required on the display of the BLUETOOTH device, enter "0000".

Note

Stop playback on the BLUETOOTH device before performing the pairing procedure. Loud sound may be output when the BLUETOOTH connection is established. In addition, after the connection is established, loud sound may be output at the time of the first playback operation. It is recommended to turn down the volume before starting playback.

5 Make the BLUETOOTH connection from the BLUETOOTH device.

When the BLUETOOTH connection is established, the  (BLUETOOTH) indicator stays lit.

If the BLUETOOTH connection is not established, repeat from step 3.


6 Adjust the volume on the BLUETOOTH device, or tap the VOL (volume) +/- button to adjust the volume.

7 Start playback on the BLUETOOTH device.

Tip

- You can perform a pairing operation or attempt to make a BLUETOOTH connection with another BLUETOOTH device while the BLUETOOTH connection is established with one BLUETOOTH device. The currently established BLUETOOTH connection is canceled when BLUETOOTH connection with another device is successfully established.
- SongPal does not have a music playback function via the BLUETOOTH connection. Play music using the music playback software of BLUETOOTH devices (such as smartphone, PC, etc.).

Note

- The operations described above may not be available for certain BLUETOOTH devices. In addition, the actual operations may differ depending on the connected BLUETOOTH device.
- Pairing mode of the unit is released after about 5 minutes and the  (BLUETOOTH) indicator flashes slowly. However, when pairing information is not stored in the unit, such as from the factory, pairing mode is not released. If pairing mode is released before finishing the process, repeat from step 3.
- When pairing with a BLUETOOTH device that cannot display a list of detected devices or that has no display, you may pair the device by setting both the unit and the BLUETOOTH device to pairing mode. At this time, if a passkey other than "0000" is set on the BLUETOOTH device, pairing cannot be done with the unit.
- Once a pairing operation is performed, it does not have to be performed again. In the following cases, however, a pairing operation must be performed again:
 - Pairing information was erased when the BLUETOOTH device was repaired.
 - You attempt to pair the unit with more than 9 BLUETOOTH devices.
This unit can pair with up to 9 BLUETOOTH devices. If you pair another BLUETOOTH device after pairing with 9 devices was performed, pairing information of the device that was connected with the unit first is overwritten with that of the new device.
 - Pairing registration information of this unit is erased from the connected device.
 - If you initialize the unit, all the pairing information will be erased.
- The unit can be paired with multiple devices, but can only play music from one paired device at a time.
- "Passkey" may be called "Passcode," "PIN code," "PIN number" or "Password," etc.

To cancel the connection with the BLUETOOTH device

Disconnect the BLUETOOTH connection on the BLUETOOTH device.

Tip

When you finish playing music, the BLUETOOTH connection may terminate automatically, depending on the BLUETOOTH device.

Listening to music through a registered device

After step 2 on "Pairing the unit with a BLUETOOTH device and listening to music" (page 11), operate the BLUETOOTH device to connect with the unit. After adjusting the volume on the BLUETOOTH device, start playback on the BLUETOOTH device.

Tip

Stop playback on the BLUETOOTH device before connecting the unit to the BLUETOOTH device.

Listening to music by one-touch action (NFC)

NFC is a technology for short-range wireless communication between various devices such as a mobile phone and IC tag. Just touch your smartphone on the unit. The unit is turned on automatically, and pairing and BLUETOOTH connection are established.

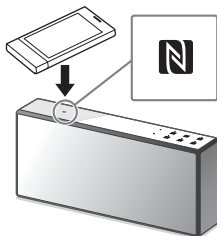
Beforehand, turn the NFC settings to on and unlock the screen of the smartphone.

disconnected and the unit is connected with the smartphone.


1 Touch your smartphone on the N-Mark on the unit.

Touch the smartphone on the unit and maintain contact until the smartphone responds.

Refer to the user's guide of your smartphone for the part of your smartphone used as touch contact.



Follow the on-screen instructions to establish the connection.

When a BLUETOOTH connection is established, the  (BLUETOOTH) indicator stops flashing and stays lit.

2 After completing the connection, start playback on the smartphone.

To disconnect the established connection, touch your smartphone on the N-Mark on the unit.

Tip

When you touch an NFC-compliant smartphone on the unit while another BLUETOOTH device is connected with this unit, the BLUETOOTH device is

Listening to music via a Wi-Fi network

Selecting the method of network connection

If you connect this unit to a network, you can enjoy this unit in various ways. Depending on your network environment, setting up methods are different. Select the appropriate connecting method for your network environment from below.

Tip

For setting the fixed IP address, use the screen in step 6 of "Connecting with a PC" (page 14).

Note

Connecting to a Wi-Fi network and a wired network simultaneously is not possible. When you connect to a Wi-Fi network, be sure to disconnect the LAN cable from the unit.

Method for using a smartphone/iPhone

Install the SongPal application for your smartphone/iPhone. For details, refer to the Wi-Fi Startup Guide (separate document).

Method for using a wireless router with a WPS button

Use the WPS button to connect. For details, refer to the Wi-Fi Startup Guide (separate document).

Method for using a PC

See "Connecting with a PC" (page 14).

Method for using a wired network

► Refer to Help Guide for details.

http://rd1.sony.net/help/speaker/srs-x77/h_zz/



Connecting with a PC

If your wireless router does not have a WPS (AOSS) button, configure Wi-Fi settings by connecting the unit to your PC with a LAN cable.

Prepare a commercially-available LAN cable beforehand.

Tip

When setting up a Wi-Fi network, the SSID (Wi-Fi Network Name) and security key (WEP or WPA key) may be required. The security key (or network key) uses encryption to limit the devices with which communication can occur. It is used to provide higher security for devices communicating via a wireless router/access point.

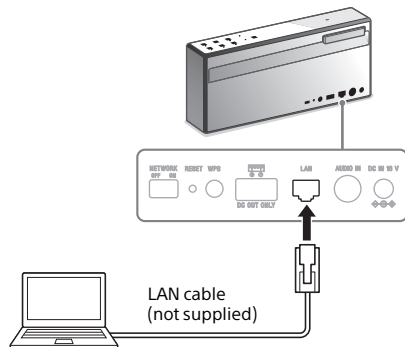
1 Record the SSID and password of your router.

For details, refer to the operating instructions of your router.

SSID (Wi-Fi Network Name)

Password (Security Key)

2 Connect the unit to the PC with a LAN cable directly.



Use a commercially-available LAN cable to connect.

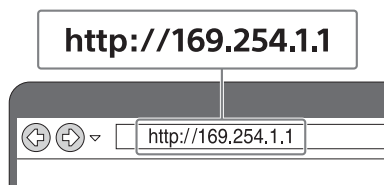
- 3** Set the NETWORK OFF/ON switch to ON, then turn the unit on. Wait until the LINK indicator stops flashing and stays lit in pink. It takes about 1 minute.

Note

When you connect the unit to a PC for the first time, it takes about 2 minutes until the LINK indicator stops flashing and stays lit.

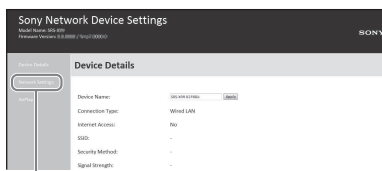
- 4** Display [Sony Network Device Settings] on your PC.

- 1 Launch a browser.
- 2 Enter the following URL in the address bar.



The above URL is only for when the PC and unit are connected with a LAN cable.

- 5** Select [Network Settings] from the menu.



Network Settings

- 6** Select the SSID of your wireless router and enter the password.



See the recorded password in step 1 (page 14).

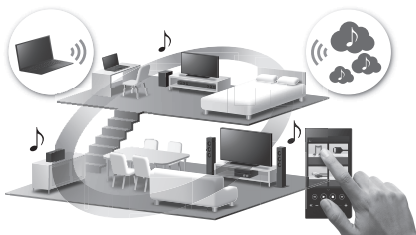
- 7** Select [Apply].

- 8** When prompted, unplug the LAN cable from the unit.

- 9** Check that the LINK indicator lights up in orange. Set the Wi-Fi antenna (aerial) (page 8). When the Wi-Fi connection is established, the LINK indicator lights up in orange. It may take more than 1 minute to light up.

For information on how to listen to music with this unit, refer to the Wi-Fi Startup Guide (separate document).

Listening to the same music from the multiple speakers (SongPal Link function)



Enjoy music in any room via Wi-Fi. You can listen to your favorite music stored in your PCs or mobile phones and furthermore, music from streaming services, in different rooms with ultimate sound quality.

- 1 Connect the unit and smartphone/iPhone to your Wi-Fi network.
Connect the unit and smartphone/iPhone to the same SSID of your router.

- 2 Install the free application SongPal on your smartphone/iPhone.

- 3 When connecting multiple devices, connect the SongPal Link compatible devices to your Wi-Fi network.

► Refer to Help Guide for detailed operation.
http://rd1.sony.net/help/speaker/srs-x77/h_zz/



Listening to various Internet music services

- 1 Connect the unit and smartphone/iPhone to your Wi-Fi network.
Connect the unit and smartphone/iPhone to the same SSID of your router.

- 2 Install the free application SongPal on your smartphone/iPhone.

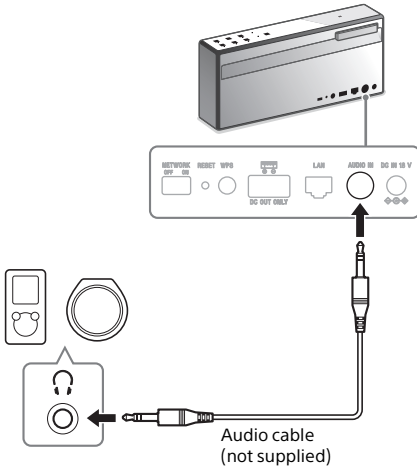
- 3 Play music of your desired music service using your smartphone/iPhone.

► Refer to Help Guide for detailed operation.
http://rd1.sony.net/help/speaker/srs-x77/h_zz/



Listening to music with connected components

Listening to music on an external device (AUDIO IN)



- 1 Connect the device to the AUDIO IN jack with an audio cable (not supplied).
- 2 Tap the AUDIO IN button, then start playback on the connected device.

► Refer to Help Guide for detailed operation.

http://rd1.sony.net/help/speaker/srs-x77/h_zz/



Additional information

Troubleshooting

If a problem occurs while operating the unit, check the following to resolve the problem before consulting your nearest Sony dealer.

- Check to see if the problem is listed in this “Troubleshooting” section.
 - Check in Help Guide.
 - ▶ Refer to “How to use” and “Troubleshooting” in Help Guide for details.
- http://rd1.sony.net/help/speaker/srs-x77/h_zz/



- Check information about the problem on the customer support website.
<http://www.sony-asia.com/support>
- Connect the unit to an AC outlet via the AC adaptor to charge the battery. You may be able to resolve some issues by charging the battery.
- Push the RESET button on the rear of the unit with a pointed object, such as a pin. Then turn on the unit.

If the problem persists after doing all of the above, consult your nearest Sony dealer.

BLUETOOTH

Unable to pair the unit with a BLUETOOTH device/
BLUETOOTH connection between the unit and smartphone/iPhone is not possible using SongPal

- ➔ Bring the unit and the BLUETOOTH device to within 1 m (3 ft) of each other.
- ➔ If the **ⓑ** (BLUETOOTH) indicator is not flashing quickly in white, tap and hold the **ⓑ** (BLUETOOTH) — PAIRING button until the unit beeps and the **ⓑ** (BLUETOOTH) indicator starts flashing quickly in white.
- ➔ Connect the unit to an AC outlet or charge the battery of the unit sufficiently.
- ➔ If you initialize the unit, the unit may not be able to connect your iPhone/iPad/iPod. In this

case, erase the pairing information on the iPhone/iPad/iPod, and then perform the pairing procedure again.

Unable to connect the unit to a BLUETOOTH device with one-touch connection (NFC)

- ➔ Keep the smartphone close to the unit until the smartphone responds. If the unit fails to connect, move the smartphone slowly on the N-Mark of the unit. When the smartphone responds, follow the on-screen instructions to establish the connection.
- ➔ Check that the NFC function of the smartphone is set to on.
- ➔ If the smartphone is in a case, remove it.
- ➔ NFC reception sensitivity varies, depending on the device. If you repeatedly fail to connect the unit with a smartphone by one touch, make the connection by on-screen operation.
- ➔ Check that your smartphone is compatible with NFC. Look up information on the issue on the customer support website.

There is no sound

- ➔ If you are connecting a PC to the unit, make sure the audio output setting of the PC is set for a BLUETOOTH device.
- ➔ Check that the unit has established BLUETOOTH connection with the BLUETOOTH device.
- ➔ Pair the unit and the BLUETOOTH device again.

Distorted sound/humming or noise in the speaker output

- ➔ Bring the unit and the BLUETOOTH device closer together. Remove any obstacles between the unit and the BLUETOOTH device.
- ➔ Select “Priority on stable connection” for BLUETOOTH audio streaming playback quality.

Network

A Wi-Fi connection between the unit and home network is not possible

- ➔ The unit does not support IEEE 802.11ac. Use the 2.4 GHz frequency band (IEEE 802.11 b/g/n) or 5 GHz frequency band (IEEE 802.11 a/n) for the Wi-Fi network.
- ➔ When setting a Wi-Fi network using the SongPal application on your smartphone/iPhone, connect your smartphone/iPhone to the Wi-Fi network to be used beforehand.

- ➔ If a LAN cable is connected to the unit, disconnect it and restart the unit. When a LAN cable is connected to the unit, the unit automatically tries to connect to the home network over a wired network and a wireless network cannot be used.
- ➔ Check that your wireless router is turned on.
- ➔ Bring the unit and wireless router closer together. Devices that use the 2.4 GHz frequency band, such as a microwave oven, BLUETOOTH or digital cordless device, etc., may interrupt Wi-Fi communication. Move the unit away from such devices or turn them off.
- ➔ Set the Wi-Fi antenna (aerial).
- ➔ If a Wi-Fi network is not possible even if the setting of a Wi-Fi network is correct, try the following.
 - Turn off the wireless router/access point, wait a while and turn on the power again.
 - Turn off the unit, wait a while and turn on the power again.

Distorted sound/humming or noise in the unit output

- ➔ Turn down the volume of the connected device.
- ➔ If a connected device has an equalizer function, turn it off.
- ➔ Keep the unit away from a microwave oven, other wireless devices, etc.
- ➔ Keep the unit away from metal objects.
- ➔ Connect the unit and wireless router/PC via a LAN cable, not via Wi-Fi network.

No sound/low sound level

- ➔ Check that both the unit and connected device are turned on.
- ➔ Turn up the volume of the unit and the connected device.
- ➔ Check that the connected device is being played back.

iTunes cannot find the unit via AirPlay

- ➔ Make sure the PC with iTunes installed and the unit are connected to the same home network.
- ➔ Update the software version of iTunes to the latest version.

General

I/⏻ (on/standby) indicator is flashing red

- ➔ Push the RESET button on the rear of the unit with a pointed object, such as a pin. Then turn

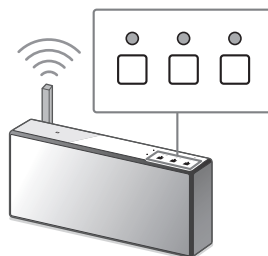
on the unit. If the I/⏻ (on/standby) indicator keeps flashing, consult your nearest Sony dealer or the shop you purchased this unit.

The unit has entered standby mode or BLUETOOTH/Network standby mode unexpectedly

- ➔ This is not a malfunction. The unit enters standby mode or BLUETOOTH/Network standby mode automatically due to the auto standby function if no operation is performed and no sound is input for about 15 minutes. Refer to Help Guide for details about the auto standby function.

To check Wi-Fi signal strength (reception sensitivity)

While the unit is connected to the Wi-Fi network, tap and hold the NETWORK button until you hear a beep.



	3	●	●	●
	2	●	●	○
	1	●	○	○
	0	○	○	○
	Signal strength	Number of flashing function indicators		

Flashing stops when any button is tapped. To receive a stronger signal, try the following:

- Change the direction of the Wi-Fi antenna (aerial).
- Turn off other wireless devices.

To use the BLUETOOTH/Network standby function

If the BLUETOOTH/Network standby function is on, the unit turns on automatically by operating a BLUETOOTH device or network device, even if the unit is turned off. The unit will start up more quickly than usual.

- 1 Check that the AC adaptor is connected, then turn on the unit.
- 2 Press and hold the I/⏻ (on/standby) button until it lights up in orange.

The unit turns off and enters the BLUETOOTH/Network standby mode. If you operate a BLUETOOTH device or automatic device, the unit turns on automatically and connection starts.

To initialize the unit

Initialize the unit if these measures do not resolve the problem or if the settings fail.

- 1 **Make sure the unit is turned on. Tap (press) and hold both the VOL (volume) – button and I/⏻ (on/standby) button at the same time for more than 5 seconds.**

The unit will turn off. Settings will return to their factory defaults, and all BLUETOOTH pairing information and network settings will be reset.

Note

If you initialize the unit, the unit may not be able to connect your iPhone/iPad/iPod. In this case, erase the pairing information on the iPhone/iPad/iPod, and then perform the pairing procedure again.

- ▶ Refer to Help Guide for symptoms other than the above.

http://rd1.sony.net/help/speaker/srs-x77/h_zz/



What is BLUETOOTH wireless technology?

BLUETOOTH wireless technology is a short-range wireless technology that enables wireless data communication between digital devices, such as a computer and digital camera. BLUETOOTH wireless technology operates within a range of about 10 m.

Connecting two devices as necessary is common, but some devices can be connected to multiple devices at the same time.

You do not need to use a cable for connection, nor is it necessary for the devices to face one another, such is the case with infrared technology. For example, you can use such a device in a bag or pocket. BLUETOOTH standard is an international standard supported by thousands of companies all over the world, and employed by various companies worldwide.

Maximum communication range

Maximum communication range may shorten under the following conditions.

- There is an obstacle such as a person, metal, or wall between the system and BLUETOOTH device.
- A wireless LAN device is in use near the system.
- A microwave oven is in use near the system.
- A device that generates electromagnetic radiation is in use near the system.

Interference from other devices

Because BLUETOOTH devices and wireless LAN (IEEE802.11b/g/n) use the same frequency, microwave interference may occur and resulting in communication speed deterioration, noise, or invalid connection if the system is used near a wireless LAN device. In such a case, perform the following.

- Use the system at least 10 m away from the wireless LAN device.

- If the system is used within 10 m of a wireless LAN device, turn off the wireless LAN device.

Interference to other devices

Microwaves emitting from a BLUETOOTH device may affect the operation of electronic medical devices. Turn off the system and other BLUETOOTH devices in the following locations, as it may cause an accident.

- where inflammable gas is present, in a hospital, train, airplane, or a gas station
- near automatic doors or a fire alarm
- To be able to use the BLUETOOTH function, the BLUETOOTH device to be connected requires the same profile as the system's. Note also that even if the same profile exists, devices may vary in function depending on their specifications.
- Due to the characteristic of BLUETOOTH wireless technology, the sound played on the system is slightly delayed from the sound played on the BLUETOOTH device during talking on the telephone or listening to the music.
- This system supports security capabilities that comply with the BLUETOOTH standard to provide a secure connection when the BLUETOOTH wireless technology is used, but security may not be enough depending on the setting. Be careful when communicating using BLUETOOTH wireless technology.
- We do not take any responsibility for the leakage of information during BLUETOOTH communication.
- A device featuring the BLUETOOTH function is required to conform to the BLUETOOTH standard specified by Bluetooth SIG, and be authenticated. Even if the connected device conforms to the above mentioned BLUETOOTH standard, some devices may not be connected or work correctly, depending on the features or specifications of the device.
- Noise or sound skips may occur depending on the BLUETOOTH device connected with the system, the communication environment or the usage environment.

Specifications

Section for Speaker

Speakers

Full range speaker: Approx. 46 mm diameter × 2 /
Subwoofer: Approx. 62 mm diameter × 1

Section for Amplifier

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

Power Output (reference)

Using AC adaptor

Full range speaker: 10W+10W (at 1% harmonic distortion, 1 kHz, 8 Ω)
Subwoofer: 20W (at 1% harmonic distortion, 100 Hz, 4 Ω)

Using battery

Full range speaker: 6W+6W (at 1% harmonic distortion, 1 kHz, 8 Ω)
Subwoofer: 12W (at 1% harmonic distortion, 100 Hz, 4 Ω)

Section for Network

Compatible standards

IEEE 802.11 a/b/g/n (WEP 64 bit, WEP 128 bit, WPA/WPA2-PSK (AES), WPA/WPA2-PSK (TKIP))

Radio frequency

2.4/5 GHz band

Section for BLUETOOTH

Output

BLUETOOTH Specification Power Class 2

Maximum communication range

Line of sight Approx. 10 m*1

Radio frequency

2.4 GHz band (2.4000 GHz – 2.4835 GHz)

Communication System

BLUETOOTH Specification Version 3.0

Compatible BLUETOOTH Profiles*2

A2DP (Advanced Audio Distribution Profile) / AVRCP (Audio Video Remote Control Profile)

Supported codec*³
SBC*⁴ / AAC*⁵ / LDAC*⁶

Transmission bandwidth (A2DP)

20 Hz – 20,000 Hz (with 44.1 kHz sampling)

*¹ The actual range will vary depending on factors such as obstacles between devices, magnetic fields around a microwave oven, static electricity, reception sensitivity, aerial's performance, operating system, software application, etc.

*² BLUETOOTH standard profiles indicate the purpose of BLUETOOTH communication between devices.

*³ Codec: Audio signal compression and conversion format

*⁴ Subband Codec

*⁵ Advanced Audio Coding

*⁶ LDAC is an audio coding technology developed by Sony that enables the transmission of High-Resolution (Hi-Res) Audio content, even over a BLUETOOTH connection. Unlike other BLUETOOTH compatible coding technologies such as SBC, it operates without any down-conversion of the Hi-Res Audio content*⁷, and allows approximately three times more data*⁸ than those other technologies to be transmitted over a BLUETOOTH wireless network with unprecedented sound quality, by means of efficient coding and optimized packetization.

*⁷ Excluding DSD format contents

*⁸ In comparison with SBC (Subband Coding) when the bitrate of 990kbps (96/48kHz) or 909kbps (88.2/44.1kHz) is selected

NETWORK OFF/ON switch is OFF)

Approx. 10 hours

Usage life of lithium-ion battery (when the NETWORK OFF/ON switch is ON)

Approx. 3 hours

Operating temperature

5 °C to 35 °C

Dimensions (w/h/d) (including projecting parts and controls)

Approx. 300 mm × 132 mm × 60 mm

Mass

Approx. 1.9kg

Supplied accessories:

AC power cord (1)

AC adaptor (AC-E1826) (1)

Wi-Fi Startup Guide

Operating Instructions (this document)

Warranty card

Design and specifications are subject to change without notice.

General

AUDIO IN

ANALOG Φ 3.5 mm stereo mini jack

Network port

10BASE-T/100BASE-TX (Auto Polarity)

DC OUT

USB jack Type A (for charging the battery of a connected device) (5 V, Max. 1.5 A: labeled on bottom of system)

Power

DC 18V (using the supplied AC adaptor connected to AC 120V-240V, 50Hz/60Hz power supply) or, using built in lithium-ion battery

Usage life of lithium-ion battery (when the

Compatible iPhone/iPad/iPod models

damaged when using your iPhone/iPad/iPod connected to this unit.

Compatible models	AirPlay	BLUETOOTH
iPhone 6 Plus	✓	✓
iPhone 6	✓	✓
iPhone 5s	✓	✓
iPhone 5c	✓	✓
iPhone 5	✓	✓
iPhone 4s	✓	✓
iPhone 4	✓	✓
iPhone 3GS	✓	✓
iPad Air 2*	✓	✓
iPad mini 3*	✓	✓
iPad Air*	✓	✓
iPad mini 2*	✓	✓
iPad (4th generation)*	✓	✓
iPad mini*	✓	✓
iPad (3rd generation)*	✓	✓
iPad 2*	✓	✓
iPad*	✓	✓
iPod touch (5th generation)	✓	✓
iPod touch (4th generation)	✓	✓
iPod touch (3rd generation)*	✓	✓
iPod nano (7th generation)*		✓

* SongPal does not support iPod touch (3rd generation) and iPod nano. SongPal, as of January 2015, does not support the display optimized for iPad screen.

AirPlay works with iPhone, iPad, and iPod touch with iOS 4.3.3 or later, Mac with OS X Mountain Lion or later, and Mac and PC with iTunes 10.2.2 or later.

Note

Sony cannot accept responsibility in the event that data recorded to iPhone/iPad/iPod is lost or



* 4 5 7 0 6 1 7 9 2 * (1)