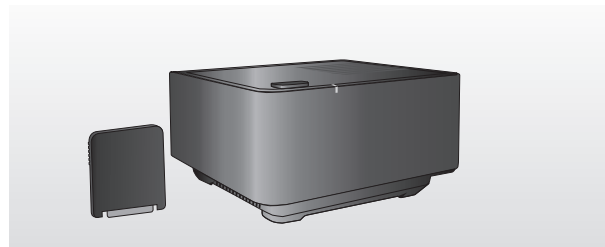


# Panasonic<sup>®</sup>

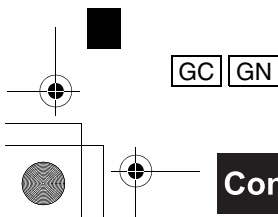
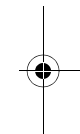
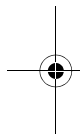
## Operating Instructions

### *Wireless System*

Model No. **SH-FX71**

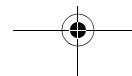


Designed for Panasonic Home Theater Sound Systems that are compatible with the SH-FX71.

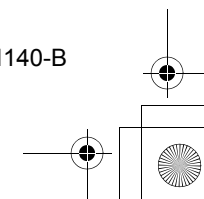


GC GN

**Confidential** until  
2010/01/22



RQTX1140-B



### ***Dear customer***

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully.

Before connecting, operating or adjusting this product, please read the instructions completely.  
Please keep this manual for future reference.

### **WARNING:**

**TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PRODUCT DAMAGE,**

- **DO NOT EXPOSE THIS APPARATUS TO RAIN, MOISTURE, DRIPPING OR SPLASHING AND THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.**
- **USE ONLY THE RECOMMENDED ACCESSORIES.**
- **DO NOT REMOVE THE COVER (OR BACK); THERE ARE NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.**

The socket outlet shall be installed near the equipment and easily accessible.  
The mains plug of the power supply cord shall remain readily operable.  
To completely disconnect this apparatus from the AC Mains, disconnect the power supply cord plug from AC receptacle.

This product may receive radio interference caused by mobile telephones during use. If such interference is apparent, please increase separation between the product and the mobile telephone.

Product Identification Marking is located on the bottom of unit.

### **CAUTION!**

- **DO NOT INSTALL OR PLACE THIS UNIT IN A BOOKCASE, BUILT-IN CABINET OR IN ANOTHER CONFINED SPACE. ENSURE THE UNIT IS WELL VENTILATED. TO PREVENT RISK OF ELECTRIC SHOCK OR FIRE HAZARD DUE TO OVERHEATING, ENSURE THAT CURTAINS AND ANY OTHER MATERIALS DO NOT OBSTRUCT THE VENTILATION VENTS.**
- **DO NOT OBSTRUCT THE UNIT'S VENTILATION OPENINGS WITH NEWSPAPERS, TABLECLOTHS, CURTAINS, AND SIMILAR ITEMS.**
- **DO NOT PLACE SOURCES OF NAKED FLAMES, SUCH AS LIGHTED CANDLES, ON THE UNIT.**
- **DISPOSE OF BATTERIES IN AN ENVIRONMENTALLY FRIENDLY MANNER.**

#### **Australia and N.Z.**

THIS UNIT IS INTENDED FOR USE IN MODERATE CLIMATES.

#### **Others**

THIS UNIT IS INTENDED FOR USE IN TROPICAL CLIMATES.

## Caution for AC Mains Lead



### (For Saudi Arabia and Kuwait)

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.

A 5-ampere fuse is fitted in this plug.

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark  or the BSI mark  on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local dealer.

### CAUTION!

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY. THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE SOCKET.

If a new plug is to be fitted please observe the wiring code as stated below.

If in any doubt please consult a qualified electrician.

### IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Blue: Neutral, Brown: Live.

As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black or Blue.

The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Brown or Red.

**WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E, BY THE EARTH SYMBOL  OR COLOURED GREEN OR GREEN/YELLOW.**

**THIS PLUG IS NOT WATERPROOF—KEEP DRY.**

### 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.

Figure A

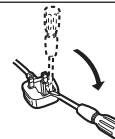
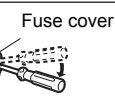


Figure B



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

Figure A

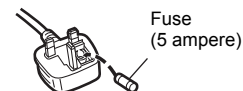
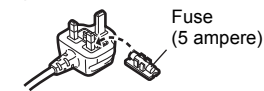


Figure B



Caution for AC Mains Lead

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## Safety precautions

### Placement

Set the unit up on an even surface away from direct sunlight, high temperatures, high humidity, and excessive vibration. These conditions can damage the cabinet and other components, thereby shortening the unit's service life.

Do not place heavy items on the unit.

### Voltage

Do not use high voltage power sources. This can overload the unit and cause a fire.

Do not use a DC power source. Check the source carefully when setting the unit up on a ship or other places where DC is used.

### AC mains lead protection

Ensure the AC mains lead is connected correctly and not damaged. Poor connection and lead damage can cause fire or electric shock. Do not pull, bend, or place heavy items on the lead.

Grasp the plug firmly when unplugging the lead. Pulling the AC mains lead can cause electric shock.

Do not handle the plug with wet hands. This can cause electric shock.

### Foreign matter

Do not let metal objects fall inside the unit. This can cause electric shock or malfunction.

Do not let liquids get into the unit. This can cause electric shock or malfunction. If this occurs, immediately disconnect the unit from the power supply and contact your dealer.

Do not spray insecticides onto or into the unit. They contain flammable gases which can ignite if sprayed into the unit.

### Service

Do not attempt to repair this unit by yourself. If sound is interrupted, indicators fail to light, smoke appears, or any other problem that is not covered in these instructions occurs, disconnect the AC mains lead and contact your dealer or an authorized service center. Electric shock or damage to the unit can occur if the unit is repaired, disassembled or reconstructed by unqualified persons.

Extend operating life by disconnecting the unit from the power source if it is not to be used for a long time.

Safety precautions / Accessories

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## Accessories



Please check and identify the supplied accessories.

☐ Digital transmitter



☐ AC plug adaptor **Latin America**



☐ AC mains lead

For use with this unit only. Do not use it with other equipment. Also, do not use cords for other equipment with this unit.

**Australia and N.Z.**



**Saudi Arabia and Kuwait**



**Thailand**



**Others**



☐ 2 speaker cables



- If you see this symbol-

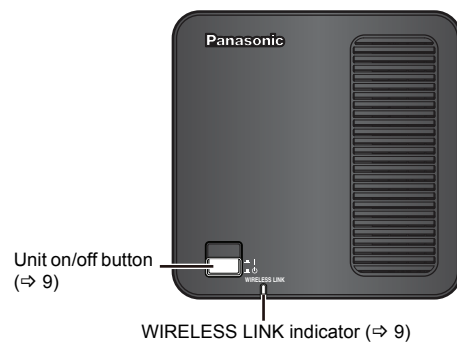


### Information on Disposal in other Countries outside the European Union

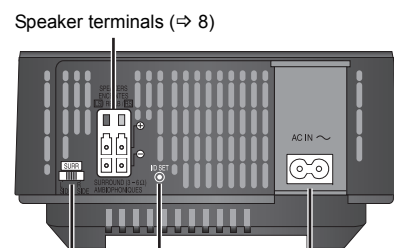
This symbol is only valid in the European Union. If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal.

## Control reference guide

### ■ Top of the main unit



### ■ Rear of the main unit



#### Note

- Place the main unit in a horizontal position with the top panel facing upward.
- To allow for proper ventilation and to maintain good airflow around the main unit, position it with at least 5 cm of space on all sides.

## Table of contents

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### Reference

Troubleshooting guide .....	11
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## Maintenance

### Clean this unit with a soft, dry cloth.

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

# Setup

## Setup

### Preparation

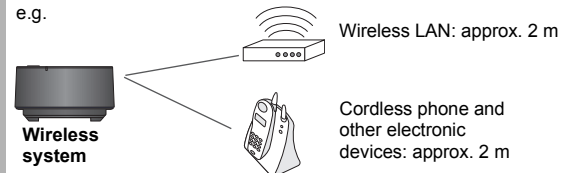
- Turn off all equipment before connection and read the appropriate operating instructions.
- **Connect the AC mains lead after all other connections are complete.**

### Note

- Do not use the wireless system and digital transmitter inside a metal cabinet or bookshelf.
- Do not attempt to connect any extra surround speakers to the home theater unit.
- Place the wireless system within approximately 10 m from the home theater unit.

**To avoid interference, maintain the following distances between the wireless system and other electronic devices that use the same radio frequency (2.4 GHz band).**

e.g.



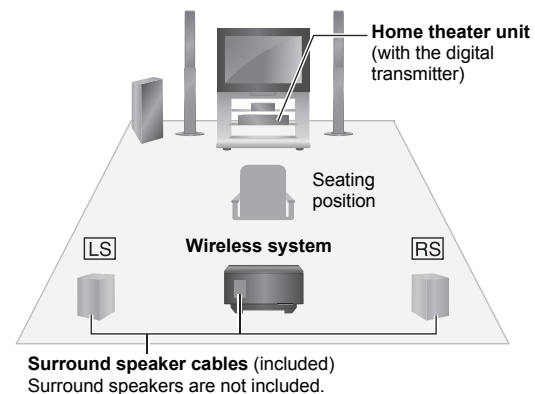
The wireless system will automatically seek a clear channel if any of these other devices interfere with its communication. When this happens, the wireless link indicator ("W") or an indicator flashes on the home theater unit, and there will be a brief audio interruption coming from the surround speakers.

This is the normal operation of the product working to assure the best possible performance of your home theater unit.

If the interference persists, try moving the other devices to another location outside the range of the wireless system, or move the wireless system nearer to your home theater unit.

### ■ Wireless setup diagram

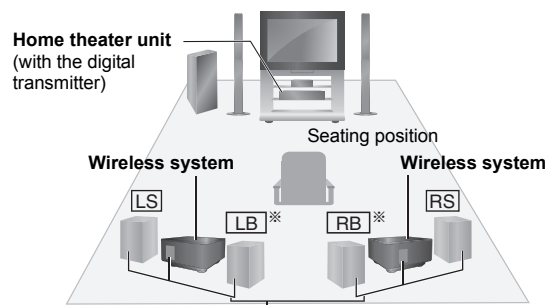
e.g. **5.1ch**



**LS:** Surround (left), **RS:** Surround (right)

- Place on the side of or slightly behind the seating position.

e.g. **7.1ch** (Using two units of the wireless system)



**Surround speaker cables** (included)  
Surround speakers and surround back speakers are not included.

This placement offers 7.1-channel playback. Your home theater unit must be capable of 7.1-channel playback.

**LS:** Surround (left), **RS:** Surround (right)  
• Place on the side of the seating position.

**LB\*:** Surround back (left), **RB\*:** Surround back (right)  
• Place behind the seating position, about 1 m higher than ear level.  
\*LB or SBL      RB or SBR

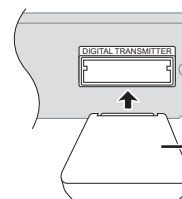
## Connections

### ■ Digital transmitter

Refer also to the operating instructions for your home theater unit.

**Do not insert or remove while the home theater unit is on.**

Setup



e.g.  
**Rear of the home theater unit**

**Digital transmitter** (included)  
Insert fully until you hear a click.

(Continued on next page)

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## Setup

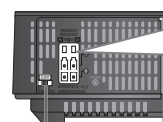
### Connections

Setup

#### ■ Wireless system

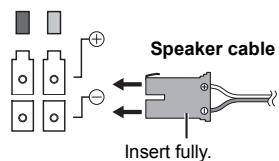
##### Preparation

If the surround speaker cables (with a blue connector and a grey connector) have already been connected, disconnect the surround speaker cables from your home theater unit.



**SURR**  
L SIDE R SIDE  
Surround selector

**Connecting the speakers to the wireless system**  
Connect to terminals of the same colour.



Impedance: 3  $\Omega$  to 6  $\Omega$   
Speaker input power: 100 W (min)

##### For 5.1ch connection

**SURROUND (LS):** Blue  
**SURROUND (RS):** Grey

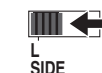
Selector setting for the left and right speakers



##### For 7.1ch connection

**SURROUND (LS):** Blue  
**SURROUND BACK (LB):** Grey

Selector setting for the left speakers

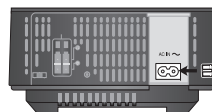


**SURROUND (RS):** Grey  
**SURROUND BACK (RB):** Blue

Selector setting for the right speakers



#### ■ AC mains lead



**AC mains lead** (included)

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

→ To household mains socket

RQTX1140





## Making the wireless link

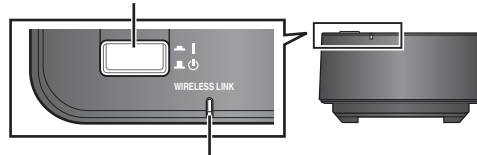
- Refer also to the operating instructions for your home theater unit.
- When you enjoy 7.1-channel playback, refer also to "Using the surround back speakers" (⇒ 10).

### 1 Turn on the wireless system.

**Unit on/off button** [  I,  ]

Use this button to turn the unit on and off.

 I: The unit is on.  : The unit is off.



#### WIRELESS LINK indicator

**Red:** The unit is on and the wireless link is deactivated.

**Green:** The unit is on and the wireless link is activated.

### 2 Turn on your home theater unit.

The wireless link indicator on your home theater unit will be turned on.

- The type of the indicator varies according to the home theater unit.

e.g. Display on the home theater unit



- If the indicator is flashing, refer to Troubleshooting guide (⇒ 11).

### 3 Start play on the home theater unit.

#### Conserving power

The wireless system consumes a small amount of power, even when it is off (approx. 0.3 W). To save power when the unit is not to be used for a long time, unplug it from the household mains socket.

Setup

RQTX1140  
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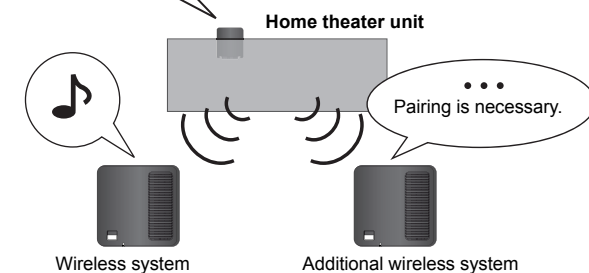
## Setup

### Using the surround back speakers

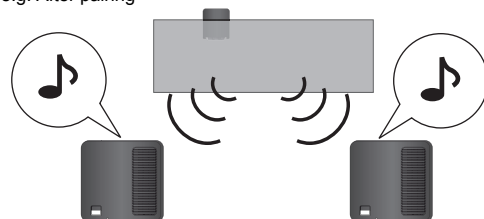
**Setup**

By using 2 sets of SH-FX71, you can enjoy 7.1-channel playback, making the surround speakers and surround back speakers wireless (⇒ 7).

**Use only a digital transmitter supplied with the SH-FX71.** Wireless system is originally paired to work with the digital transmitter that comes along with it. For the digital transmitter to work with the additional wireless system, pairing is necessary.



e.g. After pairing



- Keep the digital transmitter of the additional wireless system for later use.

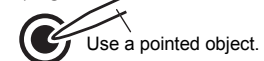
### ■ Pairing

#### Preparation

- Make sure to connect the AC mains lead of the additional wireless system.
- Turn on the home theater unit and reduce the volume.

- 1 Turn on the additional wireless system.
- 2 While pressing the stop button (e.g. [■]) on the home theater unit, press the numbered button [2] on the remote control until "P" lights in the home theater unit's display.
- 3 While "P" is displayed, press [I/D SET] on the rear of the additional wireless system.
  - The indicator on the additional wireless system turns green.
  - If "P" goes off before you press [I/D SET], repeat step 2 and then continue the procedure.
- 4 While pressing the stop button on the home theater unit, press the numbered button [2] on the remote control.
- 5 Turn off and on the additional wireless system.
  - Make sure the indicator on the additional wireless system lights up green.

I/D SET



#### Note

- If you should change the digital transmitter card, repeat the pairing steps using the new digital transmitter.
- SH-FX71 cannot be used with SH-FX65, SH-FX67 or SH-FX70.

## Troubleshooting guide

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

### Main unit

#### No power.

Ensure the AC mains lead is connected properly.

#### The indicator does not turn green even though [I/D SET] is pressed and completed the pairing.

Turn the wireless system off and then back on.

#### Power of this unit is turned off when the input for the TV is changed.

- Refer to page 8 for the surround selector setting details and ensure that the selector is set at the correct position. Then, turn the wireless system off and then back on.
- Verify the surround sound setting on the home theater unit.

#### The wireless link indicator keeps flashing between red and green.

There is a power supply problem. Consult the dealer.

### On your home theater unit

#### The wireless link indicator

##### (e.g. "W" or an indicator) is flashing.

There is no link between the home theater unit and the wireless system. Turn the wireless system off and then back on. Alternatively, turn the wireless system off, disconnect the AC mains lead, and then reconnect it.

#### The wireless link indicator

##### (e.g. "W" or an indicator) does not light.

- Check that the home theater unit is turned on, and the wireless system is turned on.
- Ensure that the digital transmitter is fully inserted into the slot of the home theater unit.

## Specifications

### AMPLIFIER SECTION

#### RMS output power

Surround Ch 125 W per channel (3 Ω), 1 kHz, 10 % THD

Total RMS power 250 W

#### DIN output power

Surround Ch 70 W per channel (3 Ω), 1 kHz, 1 % THD

Total DIN power 140 W

### GENERAL

#### Power supply

**Australia and N.Z.**

AC 220 V to 240 V, 50 Hz

**Others**

AC 110 V to 127 V/  
220 V to 240 V, 50/60 Hz

#### Power consumption

Digital transmitter 1.2 W

Wireless system 43 W

#### Dimensions (W×H×D)

Digital transmitter 43.3 mm×37.3 mm×8.2 mm

Wireless system 165 mm×91.5 mm×164 mm

#### Mass

Digital transmitter 0.0095 kg

Wireless system 0.695 kg

#### Wireless module

Frequency range 2.4 GHz to 2.4835 GHz

Number of channels 3

#### Operating temperature range

0 °C to +40 °C

#### Operating humidity range

20 % to 80 % RH (no condensation)

#### Power consumption in off mode

approx. 0.3 W

#### Note

- 1 Specifications are subject to change without notice.  
Mass and dimensions are approximate.
- 2 Total harmonic distortion is measured by a digital spectrum analyzer.

