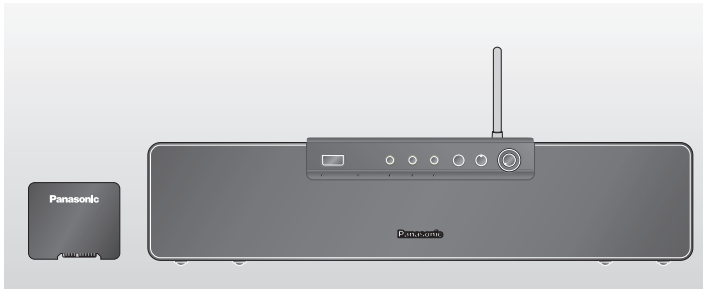


Panasonic®



Designed for Panasonic DVD Home Theater Sound Systems that are compatible with the SH-FX85.

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.

System	SH-FX85
Digital transmitter	SH-FX85T
Wireless sound system	SB-FX85



As an ENERGY STAR® Partner,* Panasonic has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

* For Canada only: The word "Participant" is used in place of the word "Partner".



Operating Instructions

Wireless Sound System

Model No. **SH-FX85**

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Accessory

Please check and identify the supplied accessory. Use number indicated in parentheses when asking for replacement part. (Product number correct as of January 2007. This may be subject to change.)

For U.S.A.: To order this accessory, refer to "Accessory Purchases" on page 9.

For Canada: To order this accessory, call the dealer from whom you made your purchase.

- 1 **AC power supply cord** (K2CB2CB00018)
For use with this unit only. Do not use it with other equipment. Also, do not use cords for other equipment with this unit.

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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.

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.

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE SCREWS. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.		

 The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

 The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

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2

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

FCC 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 caution: To maintain compliance with FCC regulations, shielded interface cables must be used with this equipment. Operation with non-approved equipment or unshielded cables may result in interference to radio and TV reception. Any changes or modifications not approved by the party responsible for compliance could void the user's authority to operate this 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.

Responsible Party:
 Panasonic Corporation of North America
 One Panasonic Way
 Secaucus, NJ 07094

Support Contact:
 Panasonic Consumer Electronics Company
 Telephone No.: 1-800-211-7262

 **WARNING:**
 To satisfy FCC RF exposure requirements for mobile transmitting devices, 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. The antenna used for this transmitter must not be co-located in conjunction with any other antenna or transmitter.

THE FOLLOWING APPLIES ONLY IN CANADA

This device complies with RSS-210 of the IC Rules. Operation is subject to the following two conditions:
 (1) This device may not cause harmful interference,
 (2) This device must accept any interference received, including interference that may cause undesired operation of the device.

IMPORTANT SAFETY INSTRUCTIONS

Read these operating instructions carefully before using the unit. Follow the safety instructions on the unit and the applicable safety instructions listed below. Keep these operating instructions handy for future reference.

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed 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 the 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, bracket, 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 cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



- 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.

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.

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.

Product service

1. **Damage requiring service**—The unit should be serviced by qualified service personnel if:
 - (a) The AC power supply cord or AC adaptor has been damaged; or
 - (b) Objects or liquids have gotten into the unit; or
 - (c) The unit has been exposed to rain; or
 - (d) The unit does not operate normally or exhibits a marked change in performance; or
 - (e) The unit has been dropped or the cabinet damaged.
2. **Servicing**—Do not attempt to service the unit beyond that described in these operating instructions. Refer all other servicing to authorized servicing personnel.
3. **Replacement parts**—When parts need replacing ensure the servicer uses parts specified by the manufacturer or parts that have the same characteristics as the original parts. Unauthorized substitutes may result in fire, electric shock, or other hazards.
4. **Safety check**—After repairs or service, ask the servicer to perform safety checks to confirm that the unit is in proper working condition.

The servicer will require all components to service your system. Therefore, should service ever be necessary, be sure to bring the entire system.

Product information

For product information or assistance with product operation:

In the U.S.A., refer to "Customer Services Directory" on page 9.
In Canada, contact the Panasonic Canada Inc. Customer Care Centre at 1-800-561-5505, or visit the website (www.panasonic.ca), or an authorized Servicentre closest to you.

ENGLISH

IMPORTANT SAFETY INSTRUCTIONS / Maintenance / Product service

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3

Setup

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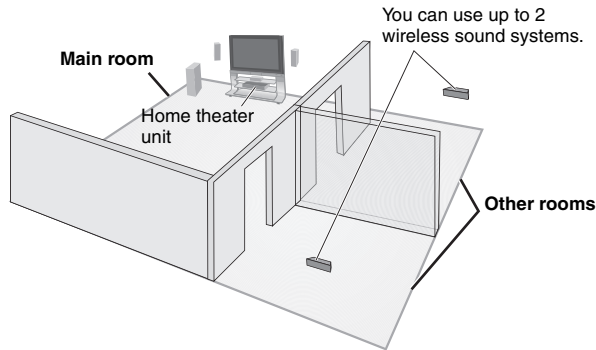
Setup

Preparation

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

Wireless setup diagram

e.g.



Place the wireless sound system within approximately 30 m (?? ft) from the home theater unit.

Note

- Do not use the wireless sound system and digital transmitter in a metal cabinet or bookshelf.
- Depending on your wall thickness and material, the operating range may be reduced.

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

Wireless sound system



Wireless LAN:
approx. 2 m (6-1/2 ft)



Cordless phone and other
electronic devices:
approx. 2 m (6-1/2 ft)

The wireless sound system will automatically seek a clear channel if any of these other devices interfere with its communication. When this happens, the WIRELESS LINK indicator on the wireless sound system flashes. ("W2" flashes on the home theater unit.) There is a brief interruption in audio coming from the wireless sound system.

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

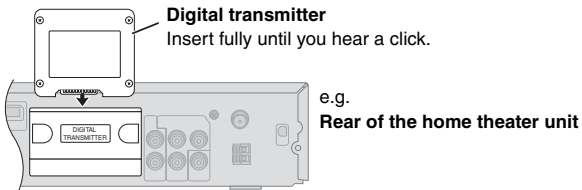
If the interference persists, try moving the other devices to another location outside the range of the wireless sound system, or move the wireless sound system nearer to your home theater unit.

Connections

Digital transmitter

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

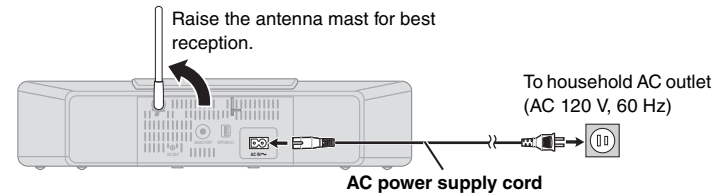
Do not insert or remove while the home theater unit is on.



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4

AC cord



Making the wireless link

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

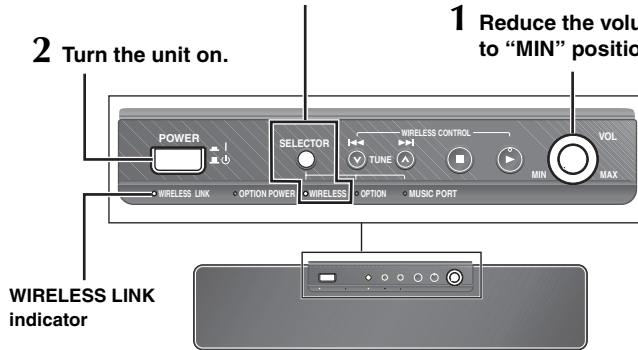
STEP 1:

On the wireless sound system:

- Press [SELECTOR] repeatedly to select "WIRELESS".
"WIRELESS" indicator lights up.

- Turn the unit on.

- Reduce the volume to "MIN" position.



STEP 2:

On the home theater unit:

Turn the unit on and check the wireless link indicator.

e.g. Display on the home theater unit



- "W2" or an indicator should light up.
- If "W2" or an indicator is flashing, refer to page 11, Troubleshooting guide.

- The WIRELESS LINK indicator on the wireless sound system also lights up when the wireless link is active.

Conserving power

The wireless sound system consumes a small amount of power, even when it is in off mode (approx. 0.2 W). To save power when the unit is not to be used for a long time, unplug it from the household AC outlet.

Pairing with your existing Panasonic wireless accessories* of the home theater system

Pairing is needed for using your SH-FX85 together with your existing Panasonic wireless accessories (not included) on the same home theater system.

Preparation

- Use the SH-FX85T transmitter card for pairing. Unplug its SB-FX85 wireless sound system from the AC outlet. Store your SH-FX65T transmitter card in a cool dry place for later use.
- Make sure to connect the AC power supply cords of your wireless accessories.
- Turn on the home theater unit and reduce the volume.

- Turn on the wireless accessories you want to use together with SH-FX85.
- While pressing [▶▶/▶▶] on the home theater unit, press the numbered button [3] on the remote control until "P" lights in the home theater unit's display.
- While "P" is displayed, press [I/D SET] on each of your wireless accessories. e.g.



- If "P" goes off before you press [I/D SET] of your next wireless accessory, repeat step 2 and then continue the procedure.
- While pressing [▶▶/▶▶] on the home theater unit, press the numbered button [3] on the remote control.
 - The corresponding wireless link indicator ("W1", "W2", or "WS") lights on the home theater unit.
 - Turn off and on your wireless accessories.
 - Make sure the wireless link indicators on your wireless accessories light up.

Note

Repeat the above steps if you should use SH-FX65T transmitter card. (The link with SH-FX85 will be disconnected.)

ENGLISH

Setup

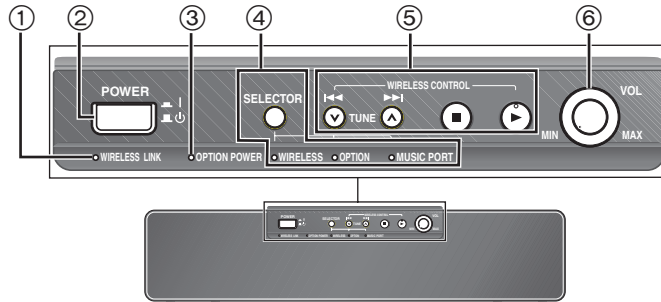
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Control reference guide

ENGLISH

Control reference guide /
Enjoying audio from the home theater unit



- ① **WIRELESS LINK indicator**
Lights when the wireless link is active.
- ② **Unit on/off button [POWER]**
Use this button to turn the unit on and off.
■ I: The unit is on. ■ ⏻: The unit is off.
- ③ **OPTION POWER indicator**
Lights during iPod charging on this unit.
- ④ **Input selector [SELECTOR]**
Select an audio input for this unit.
The corresponding indicator for the selected input lights up.
WIRELESS: To enjoy audio from your home theater unit.
OPTION: To enjoy audio from the iPod via OPTION V.1 terminal on the wireless sound system.
MUSIC PORT: To enjoy audio from the external device via MUSIC PORT terminal on the wireless sound system.
- ⑤ **WIRELESS CONTROL buttons**
(Works only when "WIRELESS" or "OPTION" input is selected.)

Buttons	Audio source		
	Tuner	Disc	iPod
⏪ ⏩	To select preset radio stations/channels	Press to skip. Press and hold to search.	(During play/pause) Press to skip. Press and hold to search.
■	—	To stop	To pause
▶	—	To play	To play

- ⑥ **Volume control (MIN: lowest volume, MAX: Highest volume)**
Turn to adjust the volume of the wireless sound system.

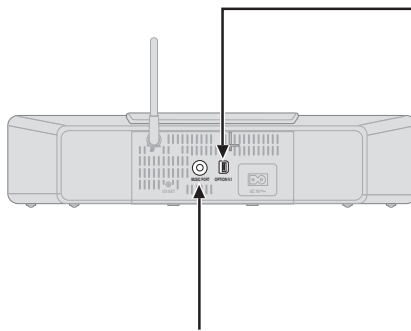
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Enjoying audio from the home theater unit

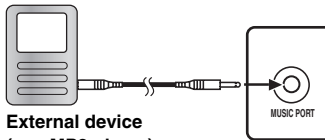
- 1 Make the wireless link (→ page 5).**
The source on the wireless sound system will automatically be set to follow the current source selected for the main room.
 - 2 Adjust the volume on the wireless sound system.**
Start enjoying the audio source.
 - You can control play with the WIRELESS CONTROL buttons on this unit (→ left).
(When the source follows to the main room's, controlling of these buttons will also affect the main room's playing source.)
- **You can also enjoy a different audio source from the main room's.**
Use the [2ND SELECT] button on the remote control of your home theater unit to select your desired source. (Aim the remote control at your home theater unit.)
Refer to the operating instructions of your home theater for operation details.
- Ensure to set the input selector of the wireless sound system to "WIRELESS" for enjoying audio from the home theater unit.

Using this unit as a stand-alone audio amplifier



■ To enjoy audio from an external device

- To avoid distorted sound, make sure that any equalizer function of your external device is turned off.
- Reduce the volume before connecting.
- Plug type: $\varnothing 3.5$ mm (1/8") stereo mini plug



External device
(e.g. MP3 player)
(not included)

Press [SELECTOR] on the wireless sound system to select "MUSIC PORT" input.

■ To use the iPod

Connect an optional Universal Dock for iPod (not included) to this unit for charging your iPod or enjoying audio from your iPod.

Compatible iPod

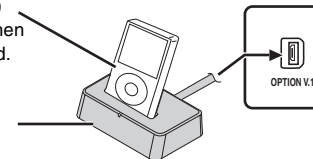
- iPod nano 2nd generation (aluminum) (2GB, 4GB, 8GB)
- iPod 5th generation (video) (60GB, 80GB)
- iPod 5th generation (video) (30GB)
- iPod nano 1st generation (1GB, 2GB, 4GB)
- iPod 4th generation (color display) (40GB, 60GB)
- iPod 4th generation (color display) (20GB, 30GB)
- iPod 4th generation (40GB)
- iPod 4th generation (20GB)
- iPod mini (4GB, 6GB)

Compatibility depends on the software version of your iPod.

Charging the iPod

Do not connect or disconnect the dock while the wireless sound system is on.

iPod (not included)
Charging starts when
the iPod is inserted.



Universal Dock for iPod
(not included)

"OPTION POWER" indicator on the wireless sound system lights during iPod charging.

Note

- AC cord must be connected with the wireless sound system.
 - When the wireless sound system is in off mode, iPod charging time is fixed at 5 hours.
- "OPTION POWER" indicator continues to light up throughout this duration, even when your iPod is fully charged. You can turn off this indicator by removing the iPod from the dock.



iPod is a trademark of Apple Computer, Inc., registered in the U.S. and other countries.

Enjoying audio from the iPod

Press [SELECTOR] on the wireless sound system to select "OPTION" input.

The iPod turns on.

- You can control play with the WIRELESS CONTROL buttons on this unit (→ page 6).
- When you select another selector input, or turn this unit off, the iPod turns off.

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Using this unit as a stand-alone audio amplifier

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Limited Warranty (ONLY FOR U.S.A.)

Panasonic Consumer Electronics Company,
 Division of Panasonic Corporation of North America
 One Panasonic Way Secaucus, New Jersey 07094

Panasonic Puerto Rico, Inc.
 Ave. 65 de Infantería, Km. 9.5
 San Gabriel Industrial Park, Carolina, Puerto Rico 00985

Panasonic Audio Products Limited Warranty

ENGLISH

Limited Warranty (ONLY FOR U.S.A.)

Limited Warranty Coverage

If your product does not work properly because of a defect in materials or workmanship, Panasonic Consumer Electronics Company or Panasonic Puerto Rico, Inc. (collectively referred to as "the warrantor") will, for the length of the period indicated on the chart below, which starts with the date of original purchase ("warranty period"), at its option either (a) repair your product with new or refurbished parts, or
 (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.

Product or Part Name	Parts	Labor
Audio Products (except items listed below)	One (1) year	One (1) year
USB Reader-Writer, Personal Computer Card Adapters (in exchange for defective item)	One (1) year	Not Applicable
Accessories: Headphones, Cartridges, Microphones, Adapters	Ninety (90) days	Ninety (90) days
Rechargeable Batteries, DVD-R/-RAM Discs (in exchange for defective item)	Ten (10) days	Not Applicable
SD Memory Cards, Rechargeable Battery Packs (in exchange for defective item)	Ninety (90) days	Not Applicable

During the "Labor" warranty period there will be no charge for labor. During the "Parts" warranty period, there will be no charge for parts. You must carry-in or mail-in your product during the warranty period.

If non-rechargeable batteries are included, they are not warranted. This warranty only applies to products purchased and serviced in the United States or Puerto Rico. This warranty is extended only to the original purchaser of a new product which was not sold "as is". A purchase receipt or other proof of the original purchase date is required for warranty service.

Carry-In or Mail-In Service

For Carry-In or Mail-In Service in the United States call 1-800-211-PANA (1-800-211-7262) or visit Panasonic web site: <http://www.panasonic.com>
 For assistance in Puerto Rico call Panasonic Puerto Rico, Inc. (787)-750-4300 or fax (787)-768-2910.

Limited Warranty Limits And Exclusions

This warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by the warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, or commercial use (such as in a hotel, office, restaurant, or other business), rental use of the product, service by anyone other than a Factory Servicenter or other Authorized Servicer, or damage that is attributable to acts of God.

THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE". THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY.

(As examples, this excludes damages for lost time, travel to and from the servicer, loss of media or images, data or other memory content. The items listed are not exclusive, but are for illustration only.)
ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY, ARE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state. If a problem with this product develops during or after the warranty period, you may contact your dealer or Servicenter. If the problem is not handled to your satisfaction, then write to the warrantor's Consumer Affairs Department at the addresses listed for the warrantor.

PARTS AND SERVICE WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY ARE YOUR RESPONSIBILITY.

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Customer Services Directory

Obtain Product Information and Operating Assistance; locate your nearest Dealer or Servicer; purchase Parts and Accessories; or make Customer Service and Literature requests by visiting our Web Site at:

<http://www.panasonic.com/consumersupport>

or, contact us via the web at:

<http://www.panasonic.com/contactinfo>

You may also contact us directly at: 1-800-211-PANA (7262),
Monday-Friday 9 am-9 pm; Saturday-Sunday 10 am-7 pm, EST.

For hearing or speech impaired TTY users, TTY : 1-877-833-8855

Accessory Purchases

Purchase Parts, Accessories and Instruction Books online for all Panasonic Products by visiting our Web Site at:

<http://www.pasc.panasonic.com>

or, send your request by E-mail to:

npcparts@us.panasonic.com

You may also contact us directly at: 1-800-332-5368 (Phone) 1-800-237-9080 (Fax Only) (Monday – Friday 9 am to 8 pm, EST.)

Panasonic Services Company

20421 84th Avenue South, Kent, WA 98032

(We Accept Visa, MasterCard, Discover Card, American Express, and Personal Checks)

For hearing or speech impaired TTY users, TTY : 1-866-605-1277

Service in Puerto Rico

Panasonic Puerto Rico, Inc.

Ave. 65 de Infantería, Km. 9.5, San Gabriel Industrial Park, Carolina, Puerto Rico 00985

Phone (787)750-4300, Fax (787)768-2910

ENGLISH

Limited Warranty (ONLY FOR U.S.A.)

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RQTX0051

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Limited Warranty (ONLY FOR CANADA)

Panasonic Canada Inc. PANASONIC PRODUCT – LIMITED WARRANTY

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Limited Warranty (ONLY FOR CANADA)

Panasonic Canada Inc. warrants this product to be free from defects in material and workmanship and agrees to remedy any such defect for a period as stated below from the date of original purchase.

Technics Audio Product	One (1) year, parts and labour
Panasonic Portable / Clock Radio (without Tape, CD, MD)	One (1) year, parts and labour
Panasonic Audio / SD Audio Product	One (1) year, parts and labour
Panasonic DVD Product	One (1) year, parts and labour
Panasonic Combination DVD Player / VCR	One (1) year, parts and labour
Panasonic Combination DVD Recorder / VCR	One (1) year, parts and labour
Accessories including rechargeable batteries	Ninety (90) days

LIMITATIONS AND EXCLUSIONS

This warranty does not apply to products purchased outside Canada or to any product which has been improperly installed, subjected to usage for which the product was not designed, misused or abused, damaged during shipping, or which has been altered or repaired in any way that affects the reliability or detracts from the performance, nor does it cover any product which is used commercially. Dry cell batteries are also excluded from coverage under this warranty.

This warranty is extended to the original end user purchaser only. A purchase receipt or other proof of date of original purchase is required before warranty service is performed.

THIS EXPRESS, LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

IN NO EVENT WILL PANASONIC CANADA INC. BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES.

In certain instances, some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, or the exclusion of implied warranties, so the above limitations and exclusions may not be applicable.

WARRANTY SERVICE

FOR PRODUCT OPERATION ASSISTANCE, please contact:

Our Customer Care Centre:	Telephone #:	(905) 624-5505
	1-800 #:	1-800-561-5505
	Fax #:	(905) 238-2360
	Email link:	"Customer support" on www.panasonic.ca

FOR PRODUCT REPAIRS, please locate your nearest Authorized Servicentre at www.panasonic.ca :

Link : "Servicentres™ locator" under "Customer support"

IF YOU SHIP THE PRODUCT TO A SERVICENTRE

Carefully pack and send prepaid, adequately insured and preferably in the original carton.
Include details of the defect claimed, and proof of date of original purchase.

RQTX0051

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, refer to the "Customer Services Directory" on page 9 if you reside in the U.S.A., or refer to the "Product information" on page 3 if you reside in Canada.

On your home theater unit

<p>The wireless link indicator (e.g. "W2" or an indicator) does not light.</p>	<ul style="list-style-type: none"> • Ensure that the digital transmitter is fully inserted into the slot of the home theater unit. • Check that the home theater unit is turned on, and the wireless sound system is turned on.
<p>The wireless link indicator (e.g. "W2" or an indicator) is flashing.</p>	<ul style="list-style-type: none"> • There is no link between the home theater unit and the wireless sound system. Check that the wireless sound system is plugged into the AC outlet and is turned on. • Ensure that the selector on the wireless sound system is set to "WIRELESS". • Ensure that the wireless sound system is within 30 m (?? ft) of the home theater unit. • When pairing your existing wireless accessories with SH-FX85T digital transmitter, ensure the corresponding wireless accessories are plugged into the AC outlet and are turned on.
<p>The wireless link indicator (e.g. "W2" or an indicator) is lit, but there is no sound from the SB-FX85 wireless sound system.</p>	<ul style="list-style-type: none"> • When playing from a 2-channel audio source (e.g. AM/FM station, music CD, etc.), turn on one of the surround sound effects of your home theater system (e.g. Surround Music) in order to utilize all audio channels. (Refer also to your home theater unit's operating instructions.) • When using the wireless sound system as a stand-alone audio amplifier, ensure to select the correct input selector on the wireless sound system.
<p>The wireless link indicator (e.g. "W2" or an indicator) is lit, but there is no sound from the wireless accessory after pairing.</p>	<ul style="list-style-type: none"> • When playing from a 2-channel audio source (e.g. AM/FM station, music CD, etc.), turn on one of the surround sound effects of your home theater system (e.g. Surround Music) in order to utilize all audio channels. (Refer also to your home theater unit's operating instructions.) • The wrong transmitter card has been inserted into the home theater unit. (The SH-FX65T transmitter card cannot be used with the SH-FX85 wireless sound system.) <ol style="list-style-type: none"> 1. Turn off your home theater system, remove the SH-FX65T transmitter card, and insert the SH-FX85T transmitter card. 2. Turn on your home theater system, and then follow the pairing procedure on page 5. 3. Adjust the volume of your home theater unit.
<p>After pairing the SB-FX85 wireless sound system with the wireless accessory, audio output is erratic.</p>	<ul style="list-style-type: none"> • Ensure to unplug the SB-FX85 wireless sound system belonging to the SH-FX85T digital transmitter card in use, and then repeat the pairing procedure on page 5.

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Troubleshooting guide

Specifications

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AMPLIFIER SECTION

Output power	
RMS output power stereo mode	
Surround Ch (both ch driven)	65 W per channel (4 Ω), 1 kHz, 10% THD
Total RMS stereo mode power	130 W
FTC output power stereo mode	
Surround Ch (both ch driven)	40 W per channel (4 Ω), 120 Hz–20 kHz, 1% THD
Total FTC stereo mode power	80 W

SPEAKER SECTION

Surround speakers SB-FX80	
Type	1 way, 1 speaker system (Bass reflex) (L and R ch in one box)
Speaker unit(s)	Impedance 4 Ω
Full range	6.5 cm (2 1/2") Cone type
Input power (IEC)	90 W* (Max)
Output sound pressure	80 dB/W (1.0 m)
Frequency range	100 Hz–25 kHz (–16 dB) 115 Hz–22 kHz (–10 dB)

RF SECTION

Wireless module	
Frequency range	2.436 to 2.458 GHz
RF output power	19 dBm (Max)
MUSIC PORT terminal	
Input sensitivity	100 mV
Input impedance	4.7 kΩ
Terminal	Stereo, 3.5 mm (1/8") jack

GENERAL

Power supply	AC 120 V, 60 Hz
Power consumption	Digital transmitter 0.85 W Wireless sound system 30 W
Dimensions (W×H×D)	Digital transmitter 97 mm×47.5 mm×8.5 mm (3 13/16"×1 7/8"×1 1/32") Wireless sound system 430 mm×197.5 mm×174.5 mm (16 15/16"×7 25/32"×6 7/8")
Mass	Digital transmitter 0.03 kg (0.07 lbs) Wireless sound system 2.7 kg (6 lbs)
Operating temperature range	+5 °C to +35 °C (+41 °F to +95 °F)
Operating humidity range	5 % to 90 % RH (no condensation)

Power consumption in off mode	3 W
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* Rating with low-cut filter equipped amplifier

Note

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

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