# Warnings, Cautions and Others



## **HOME THEATER SOUND SYSTEM**

# TH-BA1

-Consists of CA-THBA1 and SP-THBA1





Thank you for purchasing a JVC product. Before operation, please read the instructions carefully

### INSTRUCTIONS

GVT0289-001B[B] 0809WMKMDWJMM

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#### CAUTION

To reduce the risk of electrical shocks, fire, etc.:

- 1. Do not remove screws, covers or cabinet
- 2. Do not expose this appliance to rain or moisture.

#### **CAUTION (CA-THBA1)**

The  $\circlearrowleft$ /I button in any position does not disconnect the mains line. Disconnect the mains plug to shut the power off completely (the STANDBY lamp goes off). The MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

- · When the System is on standby, the STANDBY lamp lights red
- · When the System is turned on, the STANDBY lamp goes off.
- The power can be remote controlled.

#### CAUTION (SP-THBA1)

The power supply to the subwoofer is linked to the center unit. Disconnect the mains plug to shut the power off completely (the POWER ON lamp goes off). The MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

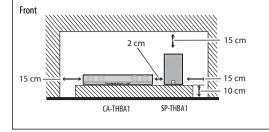
- When the System is on standby, the STANDBY/ON lamp lights red.
- When the System is turned on, the STANDBY/ON lamp lights blue.

- Do not block the ventilation openings or holes. (If the ventilation openings or holes are blocked by a newspaper or cloth, etc., the heat may not be able to get out.)
- Do not place any naked flame sources, such as lighted candles, on the apparatus.
- · When discarding batteries, environmental problems must be considered and local rules or laws governing the disposal of these batteries must be followed strictly.
- 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

#### **CAUTION: Proper Ventilation**

To avoid risk of electric shock and fire, and to prevent damage, locate the apparatus as follows:

- 1. Front: No obstructions and open spacing.
- 2. Sides/Top/Back: No obstructions should be placed in the areas shown by the dimensions below.
- 3. Bottom: Place on the level surface. Maintain an adequate air path for ventilation by placing on a stand with a height of 10 cm or more.



#### IMPORTANT for the U.K.

 ${\rm DO}~{\rm NOT}$  cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or consult your dealer.

BE SURE to replace the fuse only with an identical approved type, as originally

If nonetheless the mains plug is cut off ensure to remove the fuse and dispose of the plug immediately, to avoid a possible shock hazard by inadvertent connection to the mains supply

If this product is not supplied fitted with a mains plug then follow the instructions given below:

IMPORTANT: DO NOT make any connection to the terminal which is marked with the letter E or by the safety earth symbol or coloured green or green-and-

The wires in the mains lead on this product 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.

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

IF IN DOUBT - CONSULT A COMPETENT ELECTRICIAN.

#### CAUTION

Battery shall not be exposed to excessive heat such as sunshine, fire or the like.

Do not use another AC adaptor to connect this model.

#### **SAFETY INSTRUCTIONS**

#### "SOME DOS AND DON'TS ON THE SAFE USE OF EQUIPMENT"

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be

### Do read the operating instructions before you attempt to use the equipment

Do ensure that all electrical connections (including the mains plug, extension leads and interconnections between pieces of equipment) are properly made and in accordance with the manufacturer's instructions. Switch off and withdraw the mains plug when making or changing

Do consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

Do be careful with glass panels or doors on equipment.

#### \*\*\*\*\*\* DON'T continue to operate the equipment if you are in any doubt about it working normally, or if it is damaged in any way—switch off, withdraw

the mains plug and consult your dealer. DON'T remove any fixed cover as this may expose dangerous voltages. DON'T leave equipment switched on when it is unattended unless it is specifically stated that it is designed for unattended operation or has a

standby mode. Switch off using the switch on the equipment and make sure that your family know how to do this.

Special arrangements may need to be made for infirm or handicapped

DON'T use equipment such as personal stereos or radios so that you are distracted from the requirements of traffic safety. It is illegal to watch television whilst driving.

DON'T listen to headphones at high volume as such use can permanently damage your hearing.

DON'T obstruct the ventilation of the equipment, for example with curtains or soft furnishings.

Overheating will cause damage and shorten the life of the equipment. DON'T use makeshift stands and NEVER fix legs with wood screws—to ensure complete safety always fit the manufacturer's approved stand or legs with the fixings provided according to the instructions.

DON'T allow electrical equipment to be exposed to rain or moisture.

#### ABOVE ALL

- NEVER let anyone, especially children, push anything into holes, slots or any other opening in the case. —this could result in a fatal electrical shock.
- NEVER guess or take chances with electrical equipment of any kind—it
- is better to be safe than sorry!

and the battery with this symbol should not be disposed of as general household waste at its end-of-life. Instead, the products should be handed over to the applicable collection points for the recycling of electrical and electronic equipment as well as batteries for proper treatment, recovery and recycling in accordance with your national legislation and the

environment and human health which could otherwise be caused by inappropriate waste handling of these products.

For more information about collection points and recycling of these products, please contact your local municipal office, your household waste disposal service or the shop where you purchased the product.

accordance with national legislation.

#### [Business users]

If you wish to dispose of this product, please visit our web page <a href="http://">http://</a> www.jvc.eu/ to obtain information about the take-back of the product.

#### [Other Countries outside the European Union]

These symbols are only valid in the European Union If you wish to dispose of these items, please do so in accordance with applicable national legislation or other rules in your country for the treatment of old electrical and electronic equipment and batteries.



**Products** 



### Notice:

The sign Pb below the symbol for batteries indicates that this battery contains lead.

Dear Customer.

This apparatus is in conformance with the valid European directives and standards regarding electromagnetic compatibility and electrical safety. European representative of Victor Company of Japan, Limited is: JVC Technical Services Europe GmbH

Postfach 10 05 04 61145 Friedberg Germany

# Introduction

# Notes on handling

## **Important cautions**

- **Installation of the System** • Select a place which is level, dry, and neither too hot nor too cold; between
- 5°C and 35°C. • Leave sufficient distance between the System and the TV.
- Do not use the System in a location near heat sources, or in a place subject to direct sunlight, excessive dust, or vibration. • Install the System in a location with adequate ventilation to prevent internal
- heat buildup. Power cord

- Do not handle the power cord with wet hands.
- A small amount of power is always consumed while the power cord is connected to the wall outlet.
- Do not pull on the cord to unplug the power cord. When unplugging the power cord, always grasp and pull the plug so as not to damage the cord. To prevent malfunctions of the System

## • There are no user-serviceable parts inside. If anything goes wrong, unplug

- the power cord and consult your dealer.
- Do not insert any metallic objects or liquids into the System.

#### Safety precautions Avoid moisture, water, and dust

## Do not place the System in moist or dusty places.

**Avoid high temperatures** Do not expose the System to direct sunlight and do not place it near any

heating devices. When you are away When away on holiday or for other reasons for an extended period of time,

#### disconnect the power cord from the wall outlet. Do not block the vents

Blocking the vents may damage the System.

## Care of the cabinet

- Stains on the System should be wiped off with a soft cloth. If the System is heavily stained, wipe it with a cloth soaked in water diluted neutral detergent and wrung well, then wipe clean with a dry cloth.
- Since the System may deteriorate in quality, become damaged or get its paint peeled off, be careful about the following:
- DO NOT wipe it forcefully.
- DO NOT wipe it with thinners, benzines or other organic solvents including disinfectants.
- DO NOT apply any volatile substances such as insecticides to it.
- DO NOT allow any rubber or plastic to remain in contact with it for a long • Do not place anything on top of the System. Doing so may cause the System
- to fall, causing malfunctioning and/or injury. • The manufacturer accepts absolutely no liability for any accidents or damage resulting from inadequate assembly or mounting, insufficient strength of

#### attachment, misuse or abuse, or natural disasters. If water gets inside the System

Turn the System off and disconnect the power cord from the wall outlet, then call the store where you purchased this System. Using the System in this condition may cause a fire or electrical shock.



# Supplied accessories

Check to make sure you have all of the supplied accessories. If anything is missing, contact your dealer immediately.

- Remote control RM-STHBA1A (× 1) • AC adaptor (AA-R1902) (×1)
- AC power cord (× 1)
- Lithium coin battery CR2025 (× 1)
- The battery has been installed in the remote control when shipped from the factory.
- Core Filter (× 2)

# **Specifications**

### Center unit (CA-THBA1) **Output power**

Center/ Front Surround: **Audio section** Analog Input

ANALOG: 1 Vrms/50 k $\Omega$ DIGITAL 1, DIGITAL 2: -21 dBm to -15 dBm Digital Input\*

 $(660 \text{ nm} \pm 30 \text{ nm})$ 

120 W (30 W  $\times$  4) at 4  $\Omega$  (THD 10%)

## Speaker section

Full-Range Bass-Reflex Type (Magnetically-Type: Shielded Type) Speaker:  $8 \text{ cm cone} \times 4$ Power Handling Capacity:

 $4\Omega$ 

Center Speakers: 84 Hz to 22 kHz Frequency Range: Front Speakers: 84 Hz to 22 kHz Sound Pressure Level: Center Speakers: 82 dB/W•m Front Speakers: 82 dB/W•m

Mass:

Impedance:

Power Source (DC IN): DC19V === 3.37 A Input: AC 110-240 V ~ 1.5 -0.9 A, AC Adaptor (AA-R1902): 50/60 Hz Output: DC19 V === 3,37 A Dimensions (W  $\times$  H  $\times$  D):  $900 \text{ mm} \times 125 \text{ mm} \times 85 \text{ mm}$ 

3.5 kg

# Powered subwoofer (SP-THBA1)

Output power 100 W at 3  $\Omega$  (THD 10%) 1-Way Bass-Reflex Type Type: Speaker: 16 cm cone  $\times$  1 Power Handling Capacity: 100 W  $3\,\Omega$ Impedance: 45 Hz to 5 kHz Frequency Range: Sound Pressure Level 82 dB/W•m AC 230 V ∼, 50 Hz Power Requirements: Power Consumption: 30 W (during operation) 0.8 W (in Standby mode) Dimensions (W  $\times$  H  $\times$  D):  $215 \text{ mm} \times 352 \text{ mm} \times 254 \text{ mm}$ 5 k**g** 

\* Corresponding to Linear PCM, Dolby Digital, and DTS (with sampling frequency — 32 kHz, 44.1 kHz, 48 kHz)

Designs & specifications are subject to change without notice.

• Manufactured under license from Dolby Laboratories. Dolby, Pro Logic, and the double-D symbol are trademarks of Dolby Laboratories

 Manufactured under license under U.S. Patent numbers: 5.451,942; 5,956,674; 5,974,380; 5,978,762; 6,487,535 and other U.S. and worldwide natents issued and pending DTS and DTS Digital Surround are registered trademarks and the DTS logos and Symbol are trademarks of DTS, Inc. © 1996-2008 DTS, Inc. All Rights Reserved.

# Information for Users on Disposal of Old Equipment and Batteries

These symbols indicate that the electrical and electronic equipment Directive 2002/96/EC and 2006/66/EC.

By disposing of these products correctly, you will help to conserve natural resources and will help to prevent potential negative effects on the

Penalties may be applicable for incorrect disposal of this waste, in



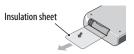


DO NOT connect the power cord until all other connections have



# Prepare the Remote Control

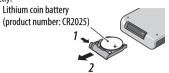
When you use the remote control for the first time, pull out the insulation



If the range or effectiveness of the remote control decreases, replace the

# To Replace the Battery in the Remote Control

Insert the battery into the remote control by matching the polarities (+ and -)



#### 7 Pinch the side of the battery case.

### **2** Pull out the battery case and insert the battery by matching the polarities.

- Store the battery in a place where children cannot reach. If a child accidentally swallows the battery, consult a doctor immediately.
- To prevent the battery from overheating, cracking, or starting a fire: - Do not recharge, short, disassemble or heat the battery, or dispose of it in a
- Do not leave the battery with other metallic materials.
- Wrap the battery with tape and insulate when throwing away or saying it.
- Do not poke the battery with tweezers or similar tools. • Dispose of the battery in the proper manner, according to federal, state, and

## local regulations.

**CAUTION:** 

**Operations** 

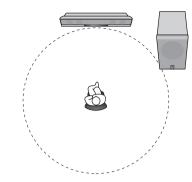
Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type

# Speaker layout

Install the speakers on a flat and level surface to ensure the best sound quality.

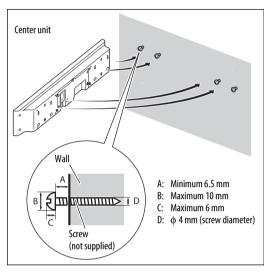
- The sound may be affected depending on the location in which you install them. To avoid such issues, change the location and orientation of the
- Install the speakers leaving an appropriate distance between them.
- If you install the speakers near the TV, color distortion may occur. To prevent this, turn off the TV's main power or unplug it before installing the speakers. Wait at least 30 minutes before turning on the TV's main power again.
- If the TV is still affected, move the speakers further away.

#### **Typical installation**



### Installing on the wall

You can install the center unit on the wall.



- The center unit weighs approximately 3.5 kg. Sufficient care must be taken when installing it on the wall to prevent any accidents caused by its falling off.
- Use screws which are compatible with the strength and material of the pillar or wall to prevent the center unit from falling off.

Buttons and lamps on the front panel

• STANDBY lamp lights up while the System is turned off.

Selects an input source: "DIGITAL 1," "DIGITAL 2" or "ANALOG."

Selects a surround mode: "SURROUND 1," "SURROUND 2" or SURROUND

• The indicator lamp for the selected input source lights up.

• The indicator lamp for the selected surround mode lights.

- surround is activated with an ANALOG input source selected.

- surround is activated and a DIGITAL input source with 2 channel

**①/I(power) button and STANDBY lamp** 

2 Input button and input source indicator lamps

3 Surround button and surround indicator lamps

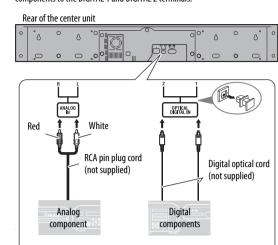
• The DOLBY PROLOGIC II lamp lights up when:

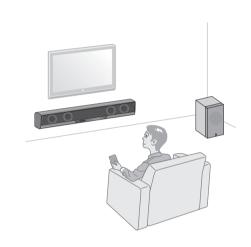
Turns on/off the System.

- Do not install the center unit onto a plywood or plasterboard wall; otherwise, it will fall and sustain damage.
- · When installing the center unit on the wall;
- Be sure to have them installed on the wall by qualified personnel.
- Care must be taken when selecting a location for installation on the wall. Injury to personnel or damage to equipment may result if the installed unit interfere with daily activities.
- AC adaptor should not be hanging/put above of any other items. It is acceptable to place the AC adaptor on the flat floor only.

# Connecting external components

You can connect analog components to the ANALOG terminal and digital components to the DIGITAL 1 and DIGITAL 2 terminals.





# Connecting the power cord

Connect the supplied AC adaptor to the DC IN jack on the center unit. Then connect the supplied AC power cord to the AC adaptor, and plug it in a wall

- Plug in the power cord of the subwoofer to a wall outlet.
- CAUTION • Disconnect the power cords before cleaning or moving the speakers.

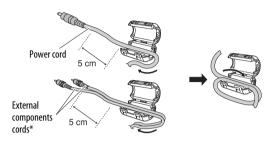
# Using the core filter

Attach the provided core filter to the power cord and the external components cord, then the core filter reduces interference.

#### 7 Release the stopper of the core filter.



2 Run the cable through the core filter, and wind the cable firmly once inside the cutout of the core filter as shown in the illustration.



- \* You can wind 2 external components cords together.
- 3 Close the core filter until it clicks shut.



• Do not damage the cord by applying excessive force when winding.

# Setting up the subwoofer

This System is equipped with a wireless subwoofer. When you use it for the first time, activate the wireless pairing.

Refer to the supplied information sheet—"Activate wireless pairing."

• The wireless pairing is not canceled even after the AC plug has been pulled out.

# Troubleshooting

If you have a problem with this System, check this list for a possible solution before calling for service.

## **POWER**

# Power does not come on.

→ The power cord is not inserted securely. Plug it in securely.

## **REMOTE CONTROL**

# The remote control does not work.

- → The battery is exhausted. Replace the battery.
- Sunlight is shining directly on the remote sensor. Hide the remote sensor from direct sunlight.
- → The path between the remote control and the remote sensor on the front panel is blocked.
- → Point the remote control at the remote sensor on the front panel.
- → Signals cannot reach the remote sensor. Move closer to the unit.
- → Pull out the insulation sheet.

# SOUND

# Sounds are sometimes interrupted.

→ Radio wave connections may be interrupted. Change the location and orientation of the speakers.

## No sound from speakers.

- → The wireless connections have not been activated correctly. Check the
- → The sound has been turned off temporarily. Press FADE MUTING on the remote control or adjust the volume by pressing VOLUME  $\pm -$ .

# Basic operation

## Turning on/off the power

# Press ७/۱.

- You can also use the power button on the front panel. NOTE
- A small amount of power is consumed even when the power is turned off (standby mode). During standby mode, the STANDBY lamp on the front panel lights up. Unplug the power cord from the AC outlet to turn the power off
- You can also turn on the System by pressing one of the input buttons (DIGITAL 1, DIGITAL 2 or ANALOG).

## Selecting the input source

### Press one of the input buttons: DIGITAL 1, DIGITAL 2 or ANALOG.

D1 (DIGITAL 1), D2 (DIGITAL 2) or AN (ANALOG) appears on the display for 2 seconds.

- You can also use the input button on the front panel. NOTE
- The indicator lamp of the selected input source lights.

# Adjusting the volume

audio format

## Press VOLUME +/- (0 to 40).

- You can also use the volume buttons on the front panel. CAUTION
- Set the volume to the minimum level before starting any source. If the volume is set to a high level, the sudden blast of sound may damage your hearing and blow out the speakers.

### **Turning off the sound temporarily** Press FADE MUTING.

• To restore the sound, press the button again or adjust the volume.

#### Changing the display brightness Press DIMMER.

Each time you press the button, the LED brightness changes as follows:  $normal \rightarrow dim \rightarrow off$ 

# Making sound clearer (Only for Dolby DIGITAL

You can enjoy low level recorded sound clearly even at a low volume level—Dynamic Range Compression.

## Press DRC.

Each time you press the button, the sound is enhanced the effect as follows:  $OF(off) \rightarrow MD \text{ (middle)} \rightarrow MX \text{ (maximum)}$ 

# Adjusting the output level of the

4 Remote sensor

- DTS:

- PCM:

**7** Volume buttons

6 Display

5 Digital signal format lamps

Shows the volume level

Receives the signal from the remote control.

- DOLBY DIGITAL: a Dolby Digital signal comes in.

Adjusts the volume within the range of 0 to 40.

Shows the digital signal format of the incoming signal when "DIGITAL 1"

or "DIGITAL 2" is selected as the input source. Each lamp lights when:

a Linear PCM signal comes in.

a DTS signal comes in.

You can adjust the output level within the range of -6 dB to +6 dB.

# Press SPK LEVEL +/- for the corresponding speaker.

- SUBWOOFER: Adjusts the output level of the subwoofer Adjusts the output level of the center speakers. - SURROUND: Adjusts the output level of the front surround speakers.

# Using the surround mode

You can listen to a more realistic sound than stereo sound using surround. Available surround modes are as follows:

- SURROUND 1: Suitable for the reproduction of multi-channel sources. **S1** appears on the display when selected. - SURROUND 2: Suitable for the reproduction of any stereo music sources.

**S2** appears on the display when selected.

• The indicator lamp of the selected mode lights.

## Press SURROUND MODE 1 or SURROUND MODE 2.

• To deactivate, press OFF. **OF** appears on the display.

# **Radio wave reflections**

The System is connected directly by radio waves which are reflected by walls, furniture and buildings. If the System cannot receive the waves properly, move the System to obtain better reception.

Radio wave reception may also be interrupted by people moving between the units.