

# SHARP®

## 4T-B80CT1U

## 4T-B70CT1U

### 4K ULTRA HD INTERACTIVE DISPLAY AFFICHAGE INTERACTIF 4K ULTRA HD

Setup Guide

Guide de configuratioan

Guía de Configuración

# AQUOS BOARD®



 **DOLBY AUDIO™**

  
HIGH-DEFINITION MULTIMEDIA INTERFACE

  
**WiFi**  
CERTIFIED



Printed in Mexico




Solo para el mercado mexicano

DESCRIPCIÓN DEL PRODUCTO:  
TELEVISOR DE PANTALLA PLANA DE CRISTAL LÍQUIDO (LCD) CON ILUMINACIÓN DE DIODO EMISOR DE LUZ (LED)

IMPORTADO POR:  
SHARP CORPORATION MEXICO, S.A. DE C.V.  
JAIME BALMES No 8 OFICINAS 803 Y 804  
COL. LOS MORALES POLANCO, CIUDAD DE MÉXICO  
C.P. 11510 TEL: 55 1500 1500

Lea este instructivo para conocer su uso correcto antes de la instalación y el uso.  
Se recomienda mantener este instructivo debidamente para la verificación futura.

## A. Supplied accessories

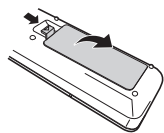
<p>① Remote control unit (x 1)</p> 	<p>② "AAA" size battery (x 2)</p> 	<p>③ Setup guide (this publication)</p>
<p>④ RS-232C conversion cable (3.5 mm-diameter mini stereo jack)</p> 	<p>⑤ Touch Pen x 2 ⑥ USB cable: 1 ⑦ USB adapter: 1 ⑧ USB flash drive (Utility for Windows): 1</p>	

	A	①	②	③
FR	Accessoires fournies	Télécommande	Pile format « AAA »	Guide de Setup (ce document)
ES	Accesorios suministrados	Control remoto	Batería de tamaño "AAA"	Guía de instalación (esta publicación)

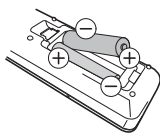
	④
FR	Câble de conversion RS-232C (mini-jack stéréo de 3,5 mm de diamètre)
ES	Cable de conversión RS-232C (miniclavija estéreo de 3,5 mm de diámetro)

	⑤	⑥	⑦	⑧
FR	Stylét	Câble USB	Adaptateur USB	Clé USB (Utilitaires pour Windows)
ES	Lápiz táctil	Cable USB	Adaptador USB	Memoria USB (Utilidades para Windows)

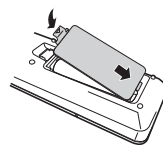
## B. Inserting the batteries



① Remote control unit



② Place batteries with their terminals corresponding to the  $\oplus$  and  $\ominus$  indications in the battery compartment.



③ Place battery cover

	B	①	②	③
FR	Insertion des piles	Télécommande	Placez les piles en suivant les indications $\oplus$ et $\ominus$ relatives aux bornes dans le compartiment des piles.	Placez le couvercle de la batterie
ES	Colocación de las pilas	Control remoto	Coloque las pilas con los extremos siguiendo las indicaciones $\oplus$ y $\ominus$ en el compartimento de las pilas.	Coloque la tapa de las baterías.

# ENGLISH

## Important Information

### IMPORTANT:

To aid reporting in case of loss or theft, please record the TV's model and serial numbers in the space provided. The numbers are located at the rear and left side of the TV.

Model No.:

Serial No.:

**WARNING:** TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK,  
DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.



**CAUTION**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,  
DO NOT REMOVE THE REAR COVER.  
IT DOES NOT CONTAIN SPARE PARTS INSIDE IT.  
CONTACT QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrow-head 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 a triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

**CAUTION:** TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

**WARNING:** FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.

**CAUTION:** This product satisfies FCC regulations when shielded cables and connectors are used to connect the unit to other equipment. To prevent electromagnetic interference with electric appliances such as radios and televisions, use shielded cables and connectors for connections.

**WARNING:** Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

**WARNING:** To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.

# Dear SHARP Customer

Thank you for your purchase of the Sharp LCD TV. To ensure safety and many years of trouble-free operation of your product, please read the Important Safety Instructions carefully before using this product.

## Important Safety Instructions

Electricity is used to perform many useful functions, but it can also cause personal injuries and property damage if improperly handled. This product has been engineered and manufactured with the highest priority on safety. However, improper use can result in electric shock and/or fire. In order to prevent potential danger, please observe the following instructions when installing, operating and cleaning the product. To ensure your safety and prolong the service life of your LCD TV, please read the following precautions carefully before using the product.

- 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.



### Additional Safety Information

- 15) Power Sources—This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
- 16) Overloading—Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
- 17) Object and Liquid Entry—Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
- 18) Damage Requiring Service—Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
  - a) When the AC cord or plug is damaged,
  - b) If liquid has been spilled, or objects have fallen into the product,
  - c) If the product has been exposed to rain or water,
  - d) If the product does not operate normally by following the operating instructions.Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation,
  - e) If the product has been dropped or damaged in any way, and
  - f) When the product exhibits a distinct change in performance - this indicates a need for service.
- 19) Replacement Parts—When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
- 20) Safety Check—Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
- 21) Wall or ceiling mounting—When mounting the product on a wall or ceiling, be sure to install the product according to the method recommended by the manufacturer.

# Important Safety Instructions

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## **WARNING - Stability Hazard**

A television may fall causing serious personal injury or death. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

- ALWAYS use cabinets or stands or mounting method recommended by the manufacturer of the television.
- ALWAYS use furniture that can safely support the television.
- ALWAYS ensure the television is not overhanging the edge of supporting furniture.
- ALWAYS educate children about the dangers of climbing on furniture to reach the television or its controls.
- ALWAYS route cords and cables connected to your television so they cannot be tripped over, pulled or grabbed.
- NEVER place the television in an unstable location.
- NEVER place a television on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television to a suitable support.
- NEVER place the television on cloth or other materials that may be located between the television and supporting furniture.
- NEVER place items that might tempt children to climb, such as toys and remote controls, on the top of the television or furniture on which the television is placed.

If the existing television set is going to be retained and relocated, the same considerations as above should be applied.

## **CAUTION**

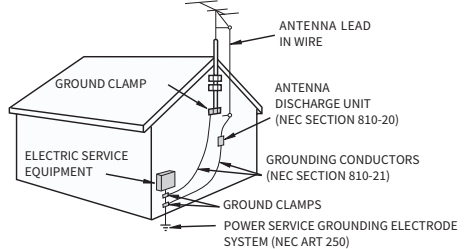
- Replacement of a battery with an incorrect type that can defeat a safeguard (for example, in the case of some lithium battery types);
- Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion;
- Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas;
- A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.
- Risk of fire or explosion if the battery is replaced by an incorrect type.

# Important Safety Instructions

- Outdoor Antenna Grounding — If an outside antenna is connected to the television equipment, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges.

Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE, ANSI/NFPA 70

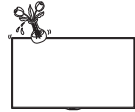


NEC — NATIONAL ELECTRICAL CODE

- Water and Moisture — Do not use this product near water - for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.
- Stand — Do not place the product on an unstable cart, stand, tripod or table. Placing the product on an unstable base can cause the product to fall, resulting in serious personal injuries as well as damage to the product. Use only a cart, stand, tripod, bracket or table recommended by the manufacturer or sold with the product. When mounting the product on a wall, be sure to follow the manufacturer's instructions. Use only the mounting hardware recommended by the manufacturer.
- Selecting the location — Select a place with no direct sunlight and good ventilation.
- Ventilation — The vents and other openings in the cabinet are designed for ventilation. Do not cover or block these vents and openings since insufficient ventilation can cause overheating and/or shorten the life of the product. Do not place the product on a bed, sofa, rug or other similar surface, since they can block ventilation openings. This product is not designed for built-in installation; do not place the product in an enclosed place such as a bookcase or rack, unless proper ventilation is provided or the manufacturer's instructions are followed.
- The front panel used in this product is made of glass. Therefore, it can break when the product is dropped or applied with impact. Be careful not to be injured by broken glass pieces in case the panel breaks.
- Heat — The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.
- The Liquid Crystal panel is a very high technology product with 8,294,400 pixels, giving you fine picture details. Occasionally, a few non-active pixels may appear on the screen as a fixed point of blue, green or red. Please note that this does not affect the performance of your product.
- Lightning — For added protection for this television equipment during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna. This will prevent damage to the equipment due to lightning and power-line surges.
- Power Lines — An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
- To prevent fire, never place any type of candle or flames on the top or near the TV set.
- To prevent fire or shock hazard, do not place the AC cord under the TV set or other heavy items.

# Important Safety Instructions

- Do not display a still picture for a long time, as this could cause an afterimage to remain.
- To prevent fire or shock hazard, do not expose this product to dripping or splashing. No objects filled with liquids, such as vases, should be placed on the product.
- Do not insert foreign objects into the product. Inserting objects in the air vents or other openings may result in fire or electric shock. Exercise special caution when using the product around children.



## Precautions when transporting the TV (For SHARP dealer and service engineers)

- When transporting the TV, never carry it by holding or otherwise putting pressure onto the display. Be sure to always carry the TV by four people.



## Do not install the TV in a location in which it will be subject to water drops such as underneath an air conditioning unit or in the vicinity of a humidifier.

- Water drops falling onto the TV and water entering inside it may result in fire, electric shock, or malfunctions.
- We recommend that you install the TV at least 3.3 ft (1m) away from the outlet of an air conditioner.

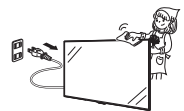


## Caring for the cabinet

- Use a soft cloth (cotton, flannel, etc.) and gently wipe the surface of the cabinet.
  - Using a chemical cloth (wet/dry sheet type cloth, etc.) may deform the components of the main unit cabinet or cause cracking.
  - Wiping with a hard cloth or using strong force may scratch the surface of the cabinet.
  - If the cabinet is very dirty, wipe with a soft cloth (cotton, flannel, etc.) soaked in neutral detergent diluted with water and thoroughly wrung out, and then wipe with a soft dry cloth.
  - Avoid using benzene, thinner, and other solvents, as these may deform the cabinet and cause the paint to peel off.
  - Do not apply insecticides or other volatile liquids.
- Also, do not allow the cabinet to remain in contact with rubber or vinyl products for a long period of time. Plasticizers inside the plastic may cause the cabinet to deform and cause the paint to peel off.

## Caring for the front panel


- Turn off the main power and unplug the AC cord from the wall outlet before handling.
- Gently wipe the surface of the front panel with a soft cloth (cotton, flannel, etc.).  
To protect the front panel, do not use a dirty cloth, liquid cleaners, or a chemical cloth (wet/dry sheet type cloth, etc.). This may damage the surface of the front panel.
- Wiping with a hard cloth or using strong force may scratch the surface of the front panel.
- Use a soft damp cloth to gently wipe the front panel when it is really dirty. (It may scratch the surface of the front panel when wiped strongly.)
- If the front panel is dusty, use an anti-static brush, which is commercially available, to clean it.
- To avoid scratching the frame or screen, please use a soft, lint free cloth for cleaning. Approved cleaning cloths are available directly from Sharp in single (00Z-LCD-CLOTH) or triple (00Z-LCD-CLOTH-3) packs. Call 1-877-PRO-ADV1 1-877-776-2381) for ordering, or VISIT <http://www.sharpsusa.com>.

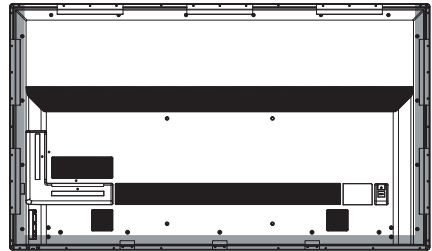
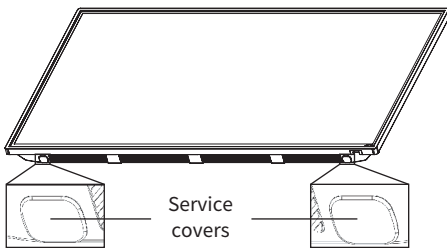


## Especially for child safety

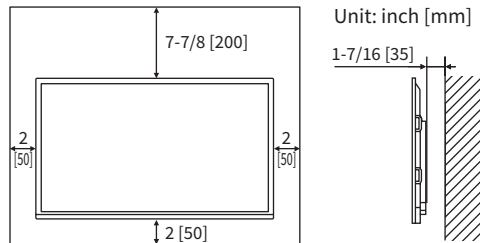
- Don't allow children to climb on or play with the TV.
- Don't place the TV on furniture that can easily be used as steps, such as a chest of drawers.
- Remember that children can become excited while watching a program, especially on a "larger than life" TV. Care should be taken to place or install the TV where it cannot be pushed, pulled over, or knocked down.
- Care should be taken to route all cords and cables connected to the TV so that they cannot be pulled or grabbed by curious children.

## Mounting Precautions

- This product is for indoor use.
- A mounting bracket compliant with VESA specifications is required.
- Since the monitor is heavy, consult your dealer before installing, removing or moving the monitor.
- Mounting the monitor on the wall requires special expertise and the work must be performed by an authorized SHARP dealer. You should never attempt to perform any of this work yourself.
- Our company will bear no responsibility for accidents or injuries caused by improper mounting or mishandling.
- Use the monitor with the surface perpendicular to a level surface.
- When moving the monitor, be sure to hold the handles or the parts marked by  below. Do not grasp the screen. This may cause product damage, failure, or injury.



- This monitor should be used at an ambient temperature between 41°F (5°C) and 95°F (35°C). Provide enough space around the monitor to prevent heat from accumulating inside.



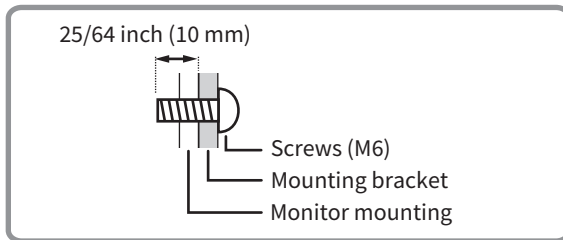
- If it is difficult to provide sufficient space for any reason such as the installation of the monitor inside a housing or of several units side-by-side, or if the ambient temperature may be outside of the range of 41°F (5°C) to 95°F (35°C), install a fan or take other measures to keep the ambient temperature within the required range.
- Temperature condition may change when using the monitor together with the optional equipments recommended by SHARP. In such cases, please check the temperature condition specified by the optional equipments.
- Do not block any ventilation openings. If the temperature inside the monitor rises, this could lead to a malfunction.
- Do not place the monitor on a device which generates heat.
- Do not use the product in locations where the unit is exposed to direct sunlight or other strong light. Since this product operates with infrared rays, such light may cause a malfunction.
- When using multiple monitors closely, be sure the infrared transmitter/receiver does not affect the other ones.




## Mounting Precautions (For SHARP dealers and service engineers)

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- When installing, removing or moving the monitor, ensure that this is carried out by at least 4 people.
- Be sure to use a wall-mount bracket designed or designated for mounting the monitor.
- This monitor is designed to be installed on a concrete wall or pillar. Reinforced work might be necessary for some materials such as plaster / thin plastic board / wood before starting installation.
- This monitor and bracket must be installed on a wall which can endure at least 4 times or more the weight of the monitor.  
Install by the most suitable method for the material and the structure.
- To attach a VESA-compliant mounting bracket, use M6 screws that are 25/64 inch (10 mm) to 1/2 inch (12 mm) longer than the thickness of the mounting bracket.



- Do not use an impact driver.
- When moving the monitor, be sure to hold the handles or the parts marked by  below. Do not grasp the screen.  
This may cause product damage, failure, or injury.

[4T-B80CT1U, 4T-B70CT1U]



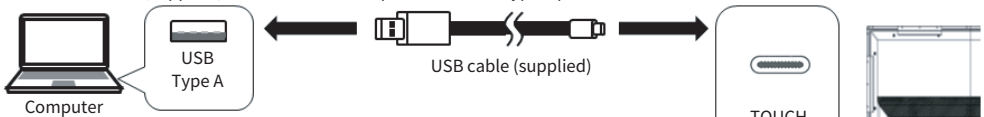
- If you need to temporarily place the monitor on a table or other surface during installation, spread a thick soft cloth on the table to prevent damage to the screen and table.
- After mounting, please carefully ensure the monitor is secure, and not able to come loose from the wall or mount.
- Do not use any screw holes other than those for mounting brackets, located on the rear of the monitor, for installation.

# Using Touch Fuction

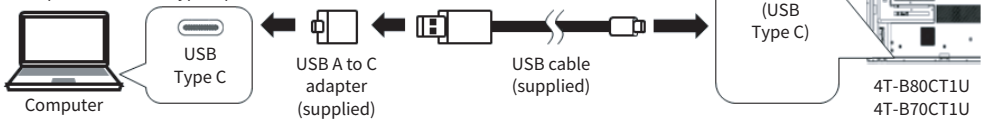
## Computer connection

- HDMI1 / HDMI2  
Use a commercially available HDMI cable (conforming to the HDMI standard) that supports 4K.
- TOUCH PANEL terminal  
Connect with the supplied USB cable between the computer's USB port and TOUCH PANEL terminal on the monitor. The terminal on the monitor is a USB Type-C connector.

Use the USB cable (supplied) to connect to a computer with USB Type A port.



Use the USB cable (supplied) and the USB A to C adapter (supplied) to connect to a computer with USB Type C port.



## System Requirement

### Connected equipments

Hardware	Must have a USB 2.0 compliant port.
Operating system	Windows® 8.1 (32-bit or 64-bit version), Windows 10® (32-bit or 64-bit version).
	macOS® v10.13, v10.14, v10.15
	Google Chrome™ OS Version 74 or later

### Supplied software (Windows®)

CPU	Intel® Core™ i5-6360U or faster Intel® Core™ i7-6650U or faster recommended
Video Output	Must be capable of output at a Vsync of 60 Hz or higher
Memory	At least 4 GB
Free space on hard drive	At least 5 GB (free space separately required for data storage)

To use the touch panel, connect the USB cable (supplied) to your computer.

The touch panel operates with the standard driver of each operative system. On the Mac, operation is only possible in mouse mode.

Install Pen Software from the supplied USB drive.

When the Information Display Downloader is installed, you can check and download the most recent versions of the software programs. To install the software, see the manual for each.

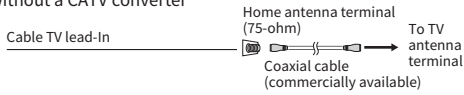
# Initial Installation

Follow the steps below one by one when using the TV for the first time. Some steps may not be necessary depending on your TV installation and connection.

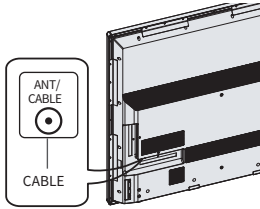
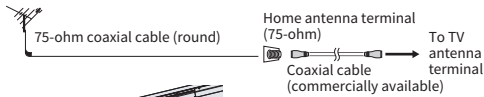
## Connecting antenna cable

### ① Connect an antenna cable to the antenna terminal.

#### ① Cable without a CATV converter

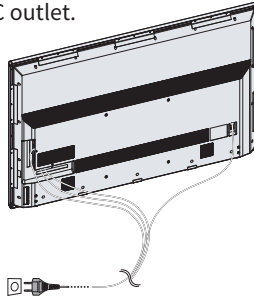


#### ② VHF/UHF antenna



- Connect the antenna cable to the TV using one of the methods in the illustration as shown (① or ②)

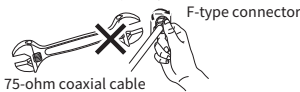
### ② Plug the AC cord into the AC outlet.



#### **NOTICE** F-type connector should be fingertightened only.

When connecting the RF cable to the TV set, do not tighten F-type connector with tools.

If tools are used, it may cause damage to your TV set (The breaking of internal circuit, etc.)

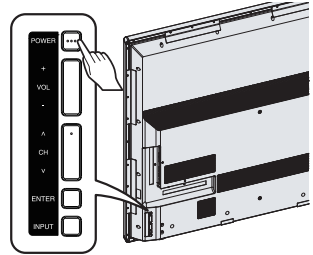


- Place the TV close to the AC outlet, and keep the power plug within reach.

#### **CAUTION**

TO PREVENT RISK OF ELECTRIC SHOCK, DO NOT TOUCH UN-INSULATED PARTS OF ANY CABLES WITH THE AC CORD CONNECTED.

### ③ Press POWER on the TV.



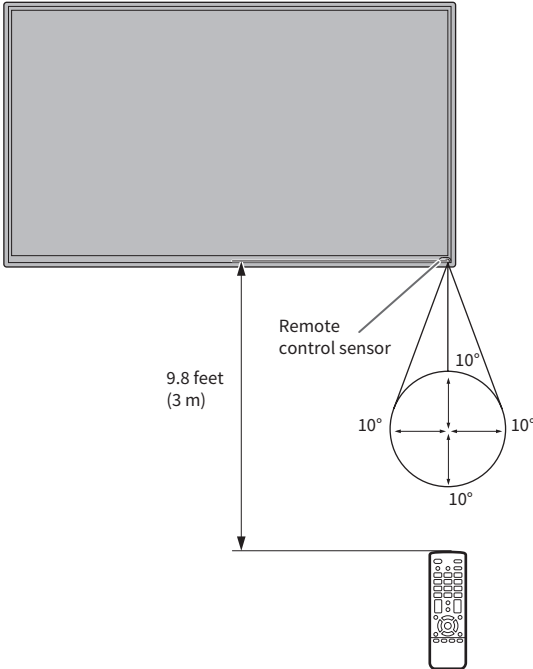
### ④ Run the initial installation.

- Follow the guide on the TV screen to set the following settings.

- Language setting
- TV Location setting
- Channel search setting
- Smart TV setting
- SHARP Legal setting
- Completed

## Remote Control Operation Range

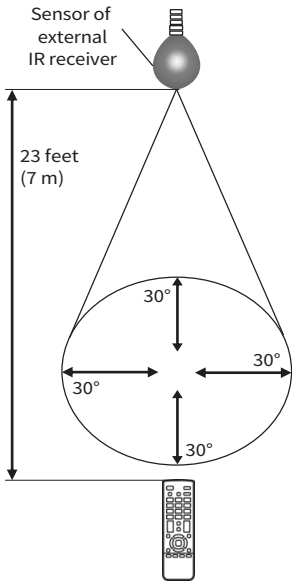
The operation range of the remote control unit is approx. 9.8 feet (3 m) at an angle of approx  $10^\circ$  from the center to the top/bottom/right/left of the remote control sensor.



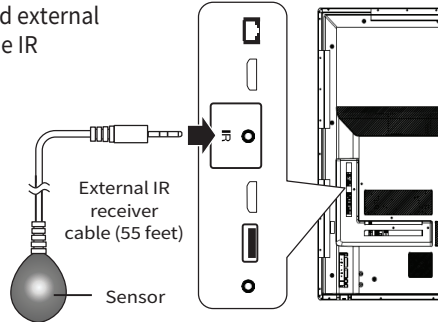
- Do not expose the remote control unit to shock by dropping or stepping on it. This could lead to a malfunction.
- Do not expose the remote control unit to liquids, and do not place it in an area with high humidity.
- The remote control unit may not work properly if the remote control sensor is under direct sunlight or strong lighting.
- Objects between the remote control unit and the remote control sensor may prevent proper operation.
- Replace the batteries when they run low as this may shorten the remote control's operation range.
- If a fluorescent light is illuminated near the remote control unit, it may interfere with proper operation.
- Do not use it with the remote control of other equipment such as air conditioner, stereo components, etc.

# Enhancing Remote Control Operation Range

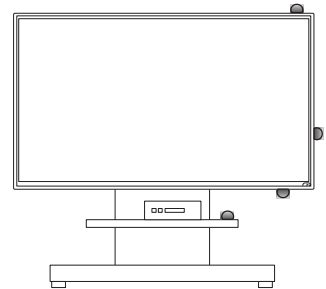
The operation range of the remote control unit is approx. 9.8 feet (3m) at an angle of approx 30° from the center to the top/bottom/right/left of the remote control sensor built in the bottom bezel of the product. The operation range can be enhanced to 23 feet (7m) by using the supplied external IR receiver.



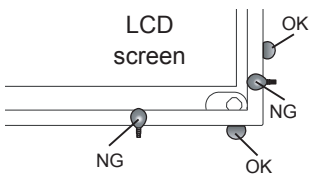
1. Insert the supplied external IR receiver into the IR terminal.



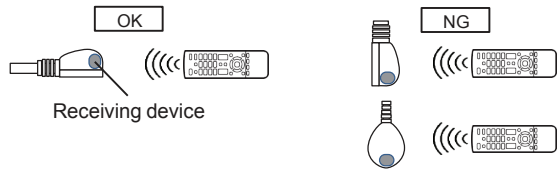
2. Peel off the sticker affixed to the sensor and attach the sensor onto a visible position such as top or side of the product. It can also be attached onto a wall or a cart (● are examples of sensor location).



- Please do not put the sensor on the front side of the product.



- A receiving device is built in the portion indicated in the illustration. Please optimize the sensor position so that the receiving device faces the remote control.

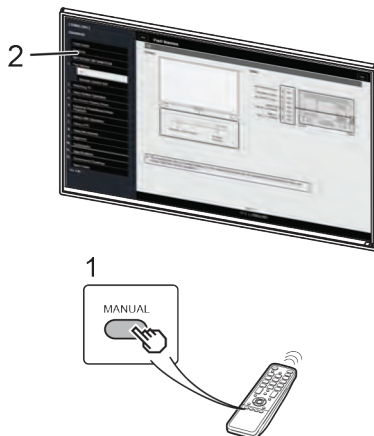


- Do not expose the remote control unit to shock by dropping or stepping on it. This could lead to a malfunction.
- Do not expose the remote control unit to liquids, and do not place it in an area with high humidity.
- The remote control unit may not work properly if the remote control sensor is under direct sunlight or strong lighting.
- Objects between the remote control unit and the remote control sensor may prevent proper operation.
- Replace the batteries when they run low as this may shorten the remote control's operation range.
- If a fluorescent light is illuminated near the remote control unit, it may interfere with proper operation.
- Do not use it with the remote control of other equipment such as air conditioner, stereo components, etc.

## Viewing the Built-in Operation Manual

Press **MANUAL** on the remote control unit to display operation information on the screen. To search for an item from the table of contents, and to search for a particular term and to find troubleshooting information, press **MANUAL** while watching the TV and then select the applicable item from the manual cover page that appears.

- 1 Press **MANUAL** while watching the TV. This displays the built-in operation manual screen.
- 2 When you select contents, its page will be displayed.
- 3 You can turn over the page one by one for these arrow marks.



### NOTE

- You can also display the built-in operation manual by selecting “Information” > “Manual” from the menu screen.
- When USB mode, Home Network mode, or Internet application is used, can not be displayed the built-in operation manual.

## Troubleshooting

The problems described below are not always caused by malfunctions. Check the TV again before having the TV serviced.

Problem	Possible Solution
<ul style="list-style-type: none"><li>• No power.</li></ul>	<ul style="list-style-type: none"><li>• Check if you pressed <b>POWER</b> on the remote control unit.</li><li>• Is the AC cord disconnected?</li><li>• Has the power been turned on?</li></ul>
<ul style="list-style-type: none"><li>• Remote control unit does not operate.</li></ul>	<ul style="list-style-type: none"><li>• Are batteries inserted with polarity (+, -) aligned?</li></ul>
<ul style="list-style-type: none"><li>• No picture.</li></ul>	<ul style="list-style-type: none"><li>• Is connection to other components correct?</li></ul>
<ul style="list-style-type: none"><li>• No sound.</li></ul>	<ul style="list-style-type: none"><li>• Is connection to other components correct?</li></ul>

## Clearing the Password

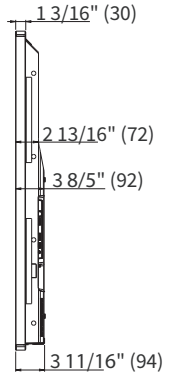
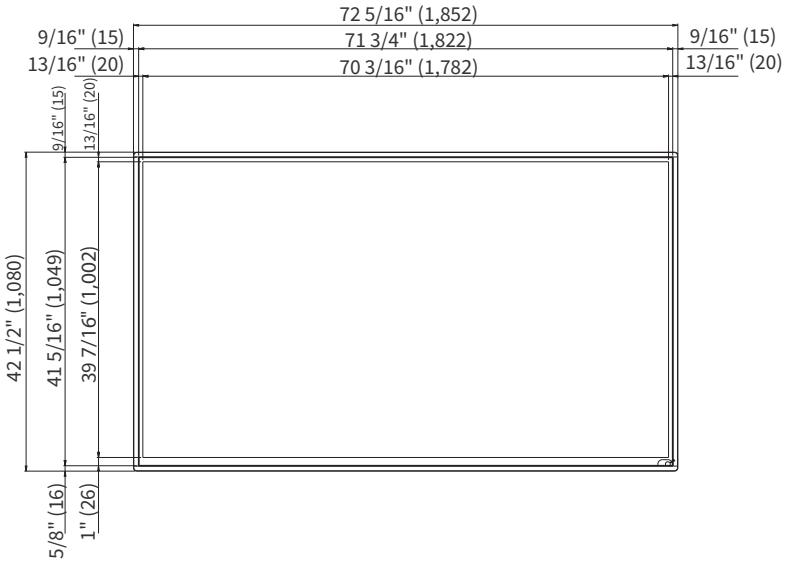
If you forget the password, clear the password using the following procedure.

- 1 Press **MENU** to display the **MENU** screen, and press **◀/▶** to select “Initial setup”.
- 2 Press **▲/▼** to select “Child lock”, and then press **ENTER** and the password input screen display.
- 3 If you enter “3001” using **0-9**, the “Child lock” setting menu will be displayed.
- 4 Press **▲/▼** to select “Set password”, and then press **ENTER** to set the password.
- 5 Enter the 4-digit number as a password using **0-9**, and then enter the same 4-digit to confirm. The new password is now set.

# Dimensional Drawing

4T-B80CT1U

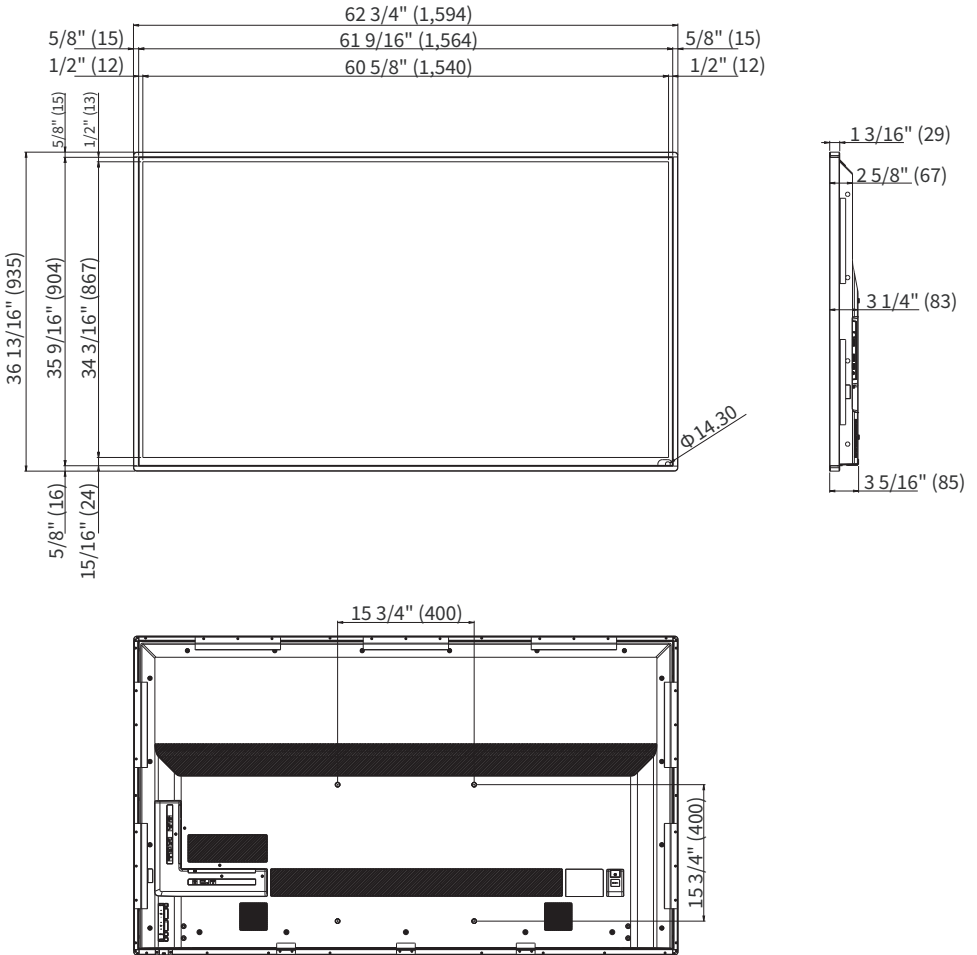
Unit : inch (mm)



# Dimensional Drawing

4T-B70CT1U

Unit : inch (mm)





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# Certifications and Compliance

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## Wireless LAN

This TV has received the following certifications.

The Wi-Fi CERTIFIED™ Logo is a certification mark of Wi-Fi Alliance®.

The Wi-Fi Protected Setup™ Logo is a certification mark of Wi-Fi Alliance®.

## FCC

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. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. To comply with the FCC RF exposure compliance.

## IFETEL

This equipment operates on a secondary basis and, consequently, must accept harmful interference, including from stations of the same kind and may not cause harmful interference to systems operating on a primary basis. CONTAINS

TRANSMITTER MODULE IFETEL ID: RCPSHWN14-1198

Brand: SHARP

Model: WN4616L

# LIMITED WARRANTY

For USA customers only

## THREE YEAR END-USER COMMERCIAL APPLICATION LIMITED WARRANTY

SHARP ELECTRONICS CORPORATION warrants to the first end user purchaser (the "Purchaser") that this commercial application Sharp brand product (the "Product"), when shipped in its original container, will be free from defective workmanship and materials, and agrees that it will, for a period of three (3) years from the date of purchase, replace the defective Product or part thereof with a new or remanufactured equivalent at no charge to the Purchaser for parts or labor for the period(s) set forth below.

In order to enforce the rights under this limited warranty, the Purchaser should follow the steps set forth below. The Purchaser must be able to provide proof or purchase to Sharp, which proof must include the date of purchase, model and serial number.

To the extent permitted by applicable state law, the warranties set forth are in lieu of, and exclusive of, all other warranties, express or implied. Specifically ALL OTHER WARRANTIES OTHER THAN THOSE SET FORTH ABOVE ARE EXCLUDED, ALL EXPRESS AND IMPLIED WARRANTIES INCLUDING THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR USE, AND FITNESS FOR A PARTICULAR PURPOSE ARE SPECIFICALLY EXCLUDED. IF, UNDER APPLICABLE STATE LAW, IMPLIED WARRANTIES MAY NOT VALIDLY BE DISCLAIMED OR EXCLUDED, THE DURATION OF SUCH IMPLIED WARRANTIES IS LIMITED TO THE PERIOD(S) FROM THE DATE OF PURCHASE SET FORTH BELOW. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHT. YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

The warranties given herein shall be the sole and exclusive warranties granted by Sharp and shall be the sole and exclusive remedy available to the Purchaser and only for the time periods set forth herein. Correction of defects, in the manner and for the period of time described herein, shall constitute complete fulfillment of all liabilities and responsibilities of Sharp to the Purchaser with respect to the Product, and shall constitute full satisfaction of all claims, whether based on contract, negligence, strict liability or otherwise.

Exclusions - This Limited Warranty does not apply to any cosmetic or consumable items of the Product or if the serial number or model number affixed to the Product has been removed, defaced, changed, altered or tampered with. This Limited Warranty does not cover installation or signal reception problems. Sharp does not warrant nor shall Sharp be liable, or in any way responsible for Products which have been subject to abuse (including, but not limited to improper voltage), accident misuse, negligence, lack of reasonable care, alteration, modification, tampering, improper installation, operation or maintenance or any damages or defects in the Product which were caused by repairs or attempted repairs performed by anyone other than the Sharp personnel or Sharp authorized servicer. This Limited Warranty also excludes any damage to Product glass due to the pressure, abrasion, scratches or actions otherwise beyond normal operation of the Product. Nor shall Sharp be liable or in any way responsible for any incidental or consequential economic or property damage. Some states do not allow limits on warranties or on remedies for breach in certain transactions, in such states, the limits herein may not apply.

**THIS LIMITED WARRANTY IS VALID ONLY IN THE (50) UNITED STATES, THE DISTRICT OF COLUMBIA, AND PUERTO RICO.**

Model Specific Section

4T-B80CT1U / 4T-B70CT1U

Your Product Model Number & Description:

Interactive Display  
(Be sure to have this information available when you need service for your product.)

Warranty Period for this Product:

Three (3) years from date of purchase.

Additional Exclusions from Warranty Coverage (if any):

Any labor and material required to remove, package and / or reinstall the products are the responsibility of the purchaser.  
Image retention resulting from a fixed image being displayed for long periods of time is not covered by this limited warranty (see operation manual on how to prevent this).

What to do to Obtain Service:

To obtain service call SHARP toll free at 1-888-GO-SHARP.  
SHARP will provide instructions on service options available for your products. Be sure to have model, serial number and proof of purchase available when contacting SHARP.  
If it is deemed the product meets limited warranty terms, SHARP will provide instructions for return and replacement.  
Please be sure to adhere to the safety guidelines in your product manual and use adequate number of persons to carry the product.  
Please ensure that the product is transported carefully in the packaging provided with the replacement product and ensure that the product is covered to avoid scratches and damage. SHARP shall not be responsible for lost stolen or misdirected shipments or for damage to the product incurred during shipping.

TO OBTAIN PRODUCT INFORMATION OR ACCESSORIES, VISIT [www.SharpUSA.com](http://www.SharpUSA.com)

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# LIMITED WARRANTY

For Canada customers only

## Consumer Electronics Products

### Congratulations on your purchase!

Sharp Electronics of Canada Ltd. ("Sharp") warrants to the first purchaser for this Sharp brand product ("Product"), when shipped in its original container and sold or distributed in Canada by Sharp or by an authorized Sharp dealer, and Product was not sold "as is" or "sales final" that the Product will during the applicable warranty period, be free from defects in material and workmanship, and will within the applicable warranty period, either repair the defective Product or provide the first purchaser a replacement of the defective Product. The replacement unit can be new or remanufactured.

**Conditions:** This limited warranty shall not apply to:

- (a) Any defects caused or repairs required as a result of abusive operation, negligence, accident, improper installation or inappropriate use as outlined in the owner's manual or other applicable Product documentation.
- (b) Any defects caused or repairs required as a result of any Product that has been tampered with, modified, adjusted or repaired by any person other than Sharp, a Sharp authorized service centre or a Sharp authorized servicing dealer.
- (c) Any defects caused or repairs required as a result of the use of the Product with items not specified or approved by Sharp, including but not limited to chemical cleaning agents.
- (d) Any replacement of accessories, consumable or peripheral items required through normal use of the Product, including but not limited to remote controls, AC adapters, batteries, cables.
- (e) Any cosmetic damage to the Product surface or exterior that has been defaced or caused by normal wear and tear.
- (f) Any defects caused or repairs required as a result of damage caused by any external or environmental conditions, including but not limited to, transmission line/power line voltage or liquid spillage or acts of God.
- (g) Any commercial use of the Product included but not limited to use in a place of business, communal areas of a multiple dwelling condominium or apartment complex, or otherwise used in a place other than a private home.
- (h) If the serial number or model number affixed to Product has been removed, defaced, changed, altered, or tampered with.
- (i) Any installation, delivery, setup and/or programming charges.

**How to get service:** Warranty service may be obtained upon delivery of the Product, together with proof of purchase (including date of purchase) and a copy of this limited warranty statement, to an authorized Sharp service centre or an authorized Sharp servicing dealer. The product must be in its original packaging or in packaging that provides the same degree of protection as the original packaging. In home warranty service for any Sharp Television with the screen size of 55" or larger will be carried out to locations accessible by on-road service vehicle and within 50 km of an authorized Sharp service centre. The servicer may if necessary take the unit for repair at the servicer's facility. No other person (including any Sharp dealer or service centre) is authorized to extend, enlarge or transfer this warranty on behalf of Sharp. The purchaser will be responsible for any and all removal, reinstallation, transportation and insurance costs incurred.

The express warranties in this limited warranty are, except for consumer purchasers domiciled in Quebec, in lieu of and, except to the extent prohibited by applicable law, Sharp disclaims all other warranties and conditions, express or implied, whether arising by law, statute, by course of dealing or usage of trade, including, without limitation, implied warranties or conditions of merchantability and/or quality, fitness for a particular use or purpose, and/or non-infringement. This warranty is not transferable. Limitations (not applicable to consumer purchasers domiciled in Quebec to the extent prohibited under Quebec law): (a) Sharp shall not be liable for any incidental, special, consequential, economic, exemplary or indirect damages of any kind or nature (including lost profits or damages for loss of time or loss of use or loss of data) arising from or in any connection with the use or performance of a Product or a failure of a Product, even if Sharp is aware of or has been advised of the possibility of such damages; (b) the remedies described in this limited warranty constitute complete fulfillment of all obligations and responsibilities of Sharp to the purchaser with respect to the Product and shall constitute full satisfaction of all claims, whether based on contract, negligence, strict liability or otherwise. Some provinces may not allow the exclusion or limitation of certain damages, or limits on the duration or voiding of implied warranties or conditions; in such provinces, the exclusions and limits herein may not apply. This limited warranty is, except for consumer purchasers domiciled in Quebec, governed by the laws of the Province in Canada in which the purchaser has purchased the Product. For consumer purchasers domiciled in Quebec this limited warranty is governed by the laws of Quebec.

**WARRANTY PERIOD FOR SHARP TV: 3 YEAR** (from the date of original purchase – please save the receipt as proof of purchase).

For support or warranty repairs/replacements, please contact us:

- By phone: 1-833-612-1382
- Or e-mail: [customerservice@cttmservice.com](mailto:customerservice@cttmservice.com)

If needed, more information on this Limited Warranty or the nearest authorized Sharp Service Centre or Dealer can be obtained through our website ([www.sharp.ca](http://www.sharp.ca)) or by mail: Sharp Electronics Of Canada Ltd. 335 Britannia Road East Mississauga, Ontario L4Z 1W9.



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