



3,5" LCD TV SRT L 351

User Manual

Thank you for purchasing this Strong portable LCD TV. This LCD TV is of our latest development and it is designed to be capable of safely install your LCD TV and to achieve its optimum performance. This user manual is applicable for Strong SRT L 350 LCD TV (DVB-T) and its related accessories. It is advised that first -time and experienced user read this manual in order to safely install the unit.

Accessories

Please check and identify the accessories.



☐ Operating instructions (this manual)

☐ Remote control x 1

☐ Battery inside the remote control (for the remote control)



☐ Lithium battery x 1



☐ Alkaline battery pack x 1



☐ Audio/Video cord x 1



☐ Power adapter x 1



☐ Headphone x 1



☐ Carrying strap x 1



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User memo:

DATE OF PURCHASE _____

DEALER NAME _____

MODEL NUMBER _____

SERIAL NUMBER _____

The model number and serial number of this product can be found on the back of the unit. Please note them in the space provided and keep for future reference.

IMPORTANT SAFETY INSTRUCTIONS & CAUTION



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated dangerous voltage within in 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.

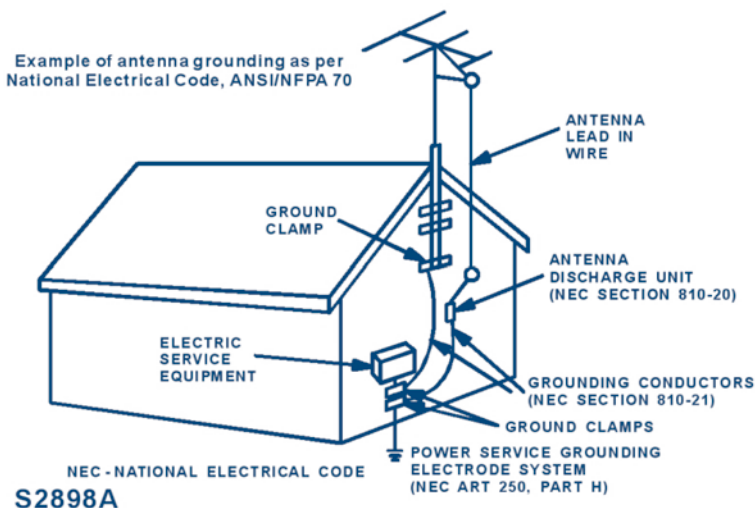
WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF POWER PLUG TO WIDE SLOT OF AC OUTLET AND FULLY INSERT.

- 1. Read Instructions.** All the safety and operating instructions should be read before the product is operated.
- 2. Retain Instructions.** The safety and operating instructions should be retained for future reference.
- 3. Heed Warnings.** All warnings on the product and in the operating instructions should be adhered to.
- 4. Follow Instructions.** All operating and use instructions should be followed.
- 5. Cleaning.** Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- 6. Attachments.** Do not use attachments not recommended by the product manufacturer as they may cause hazards.
- 7. 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.

- 8. Accessories.** Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
- 9. Ventilation.** Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
- 10. 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.
- 11. Grounding or Polarization.** This product may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
- Alternate Warnings.** This product is equipped with a three-wire grounding-type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding-type plug.
- 12. Power-Cord Protection.** Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.
- 13. Protective Attachment Plug.** The product is equipped with an attachment plug having overload protection. This is a safety feature. See Instruction Manual for replacement or resetting of protective device. If replacement of the plug is required, be sure the service technician has used a replacement plug specified by the manufacturer that has the same overload protection as the original plug.

- 14. Outdoor Antenna Grounding.** If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built up static charges.



- 15. Lightning.** For added protection for this product 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 or cable system. This will prevent damage to the product due to lightning and power-line surges.
- 16. 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.
- 17. Overloading.** Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
- 18. 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.

- 19. Servicing.** Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- 20. Damage Requiring Service.** Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
- a) When the power-supply 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.
- 21. 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.
- 22. 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.
- 23. Wall or Ceiling Mounting.** The product should be mounted to a wall or ceiling only as recommended by the manufacturer.
- 24. Heat.** The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

PRECAUTIONS

On Safety

- Do not use wet hands to pull out the plug. It may cause electrical shock.
- If the product does not work, please pull out the plug for safety. Contact us for further technical support.
- Before moving the product, please make sure the power adapter is disconnected from the wall outlet.
- Should any solid object or liquid fall into the cabinet, unplug the player and have it checked by qualified personnel before operating it any further.
- If you are not going to use the product for a long while, be sure to disconnect the product from the wall outlet. To disconnect the power adapter, grasp the plug itself; never pull the cord.

On Placement

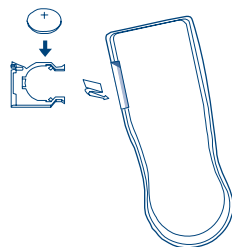
- Please keep a sufficient distance between the product and a radio set. A sufficient distance is also needed between the product and any other devices with electromagnetic field.
- Please place the product in a location with adequate ventilation to prevent heat build-up in the product.
- Do not place the product on a soft surface such as a rug that might block the ventilation holes on the bottom.
- Do not place the product in a location near heat sources, or in places subject to direct sunlight, excessive dust, or mechanical shock.
- Do not place the product in a location exposed to cool air. Condensation may occur and cause the product work incorrectly.

BATTERIES

- Insert the CR2025 type battery (3V) in the battery compartment into the remote control (the polarity "+" on top) then push the battery compartment into the remote control.

Do not:

- Place near or expose to flame.
- Take apart or short circuit.
- Attempt to recharge alkaline or manganese battery.
- Use battery if the covering has been peeled off.
- Mishandling of battery can cause electrolyte leakage which can damage items and may cause a fire.
- If electrolyte leaks from the battery, consult your dealer.
Wash thoroughly with water if electrolyte comes in contact with any part of your body.
- Remove Battery if the remote control is not going to be used for a long period of time. Store in a cool, dark place.
- Replace Battery if the unit does not respond to the remote control even when held close to the front panel.

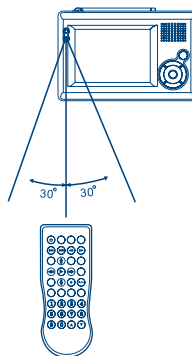


USING THE REMOTE CONTROL

- Aim at the sensor, avoiding obstacles, at a maximum range of 7 m (23 feet) directly in front of the unit.
- Keep the transmission window and the unit's sensor free from dust.
- Operation can be affected by strong light sources, such as direct sunlight, and the glass doors on cabinets.

Do not:

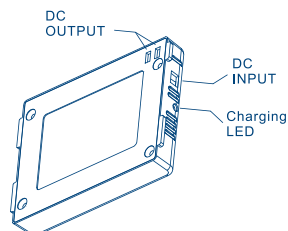
- Put heavy objects on the remote control.
- Take the remote control apart.
- Spill liquids onto the remote control.



Remote control signal sensor

PREPARING THE BATTERY PACK FOR USE (Lithium)

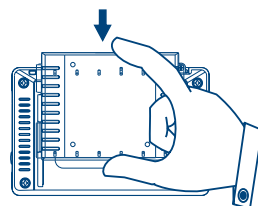
- The HANDHELD DTV with battery pack allows playing without any AC power.
- Make sure the Lithium battery pack is properly attached to the player and fully charged when use.



USING THE BATTERY PACK

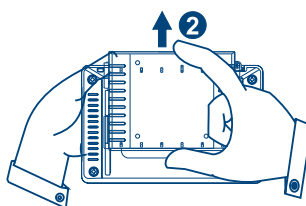
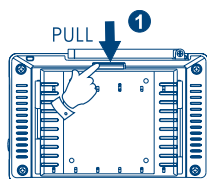
ATTACHING THE BATTERY PACK

1. Matching the battery pack into the back of the Handheld DTV.
2. Press the battery pack downward until the battery pack locks onto the Handheld DTV.



DETACHING THE BATTERY PACK

- Detach the battery pack from Handheld DTV if you will be storing the unit for a long period of time.
- The unit will continue to consume power while the battery pack is attached and turned off.
- Ensure the unit is turned off before detaching the battery pack.
- Detach the battery pack from the Handheld DTV by the following steps.
 1. Press the locker on the Handheld TV.
 2. Push out the battery pack upward until the battery pack unlocks from the Handheld DTV.



**IMPORTANT**

- The Handheld DTV will turn off automatically when the battery is getting low.

However, you can recharge your battery pack according the following correct method.

- Charge your battery pack for a minimum of 4 hours to get fully charged.
- When the battery pack is being charged, the LED will glow red.
- After successfully charging the battery pack, the LED turns green.
- Please un-pack the battery when the battery is not working.
- The average lifetime of the lithium rechargeable is about 300 recharging cycles.

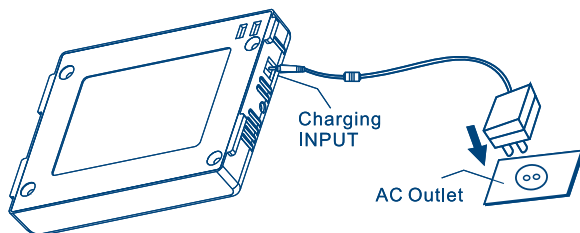
After so many times of recharges, please consider replacing the battery.

**WARNING**

- Do not disassemble, crush, puncture, or short external connectors contact.
- Use only with specified charger and players.
- Do not expose to high temperature above 50°C (122°F)
- Store the battery between -20°C (4°F) and 35°C (95°F)

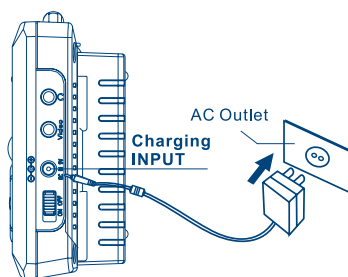
CHARGING METHODS

1. Charge battery pack alone:



- Connect the large power adaptor head firmly into wall AC outlet and firmly into charging input socket on the side of battery pack with the smaller plug of the adaptor.
- Leave battery pack alone to charge for 4 hours.

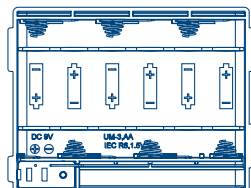
2. Use Handheld TV and charge battery pack simultaneously.



- Attach battery pack to back of handheld TV and connect the large power adaptor head firmly into wall AC outlet and firmly into charging input socket on the side of battery pack with the smaller plug of the adaptor.
- Turn handheld TV power switch on/off unit to ON to use handheld TV and charge battery pack simultaneously.
- For faster charging, please turn handheld TV power switch on/off unit to OFF.

PREPARING THE BATTERY PACK FOR USE (Alkaline Battery)

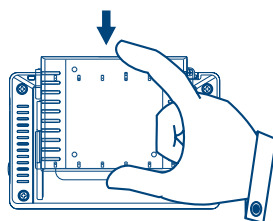
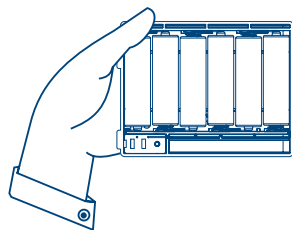
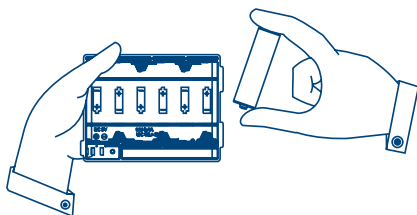
- The Handheld DTV with battery pack allows playing without any AC power.
- Make sure the Alkaline battery pack is properly attached to the player.



USING THE BATTERY PACK

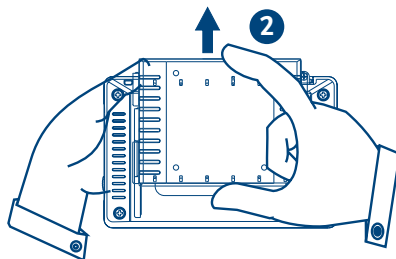
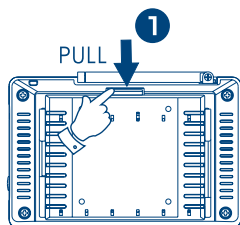
ATTACHING THE BATTERY PACK

1. Referring to the right diagram, please watch out the plus and minus signs of the batteries.
2. Referring to the next diagram, insert the alkaline batteries (AA x 6 PCS) in the battery pack.
3. Move the battery pack downward until the battery pack is locked onto the Handheld DTV.
4. Press the battery pack downward until the battery pack is locked onto the Handheld DTV.



DETACHING THE BATTERY PACK

- Detach the battery pack from Handheld DTV, if you will be storing the unit for a long period of time.
- The unit will continue to consume power while the battery pack is attached and turned off.
- Ensure the unit is turned off before detaching the battery pack.
- Detach the battery pack from the Handheld DTV by the following steps.
 1. Press the locker on the Handheld DTV.
 2. Push out the battery pack upward until the battery pack separates from the Handheld DTV.
 3. Take out alkaline battery from the battery pack.



IMPORTANT

- The Handheld DTV will turn off when the battery is getting low.
- Please un-pack the battery when the battery is not working.



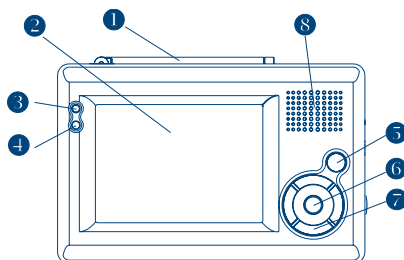
WARNING

- Do not disassemble, crush, puncture, or short external connectors contact.
- Do not expose to high temperature.
- Please don't use different batteries to avoid causing any danger.

OPERATION PANEL

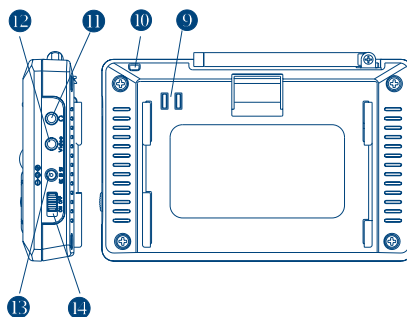
■ FRONT SIDE

1. **Antenna**
 2. **LCD panel**
 3. **Power LED**
When the unit operates, the LED will glow green
 4. **Infrared remote sensor**
Allow remote controller to navigate this unit.
 5. **MENU**
 6. **OK/MUTE**
 7. **Multi selector** (CH+(▲)/CH-(▼) / VOL+(▶) / VOL-(◀))
 8. **Speaker**
- 5, 6, 7. see also next page.

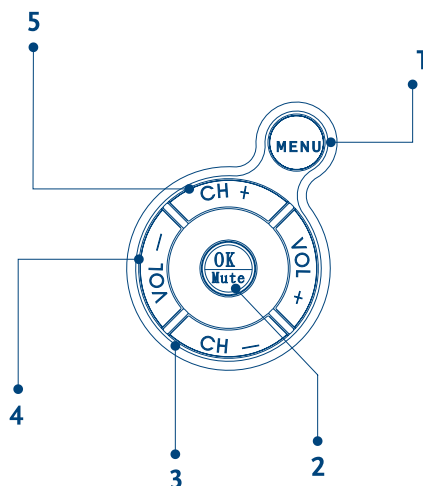


■ SIDE AND BACK

9. **Battery connector**
10. **Eyelet for TV strap**
11. **Earphone/Audio out connector**
Output the stereo audio signal.
12. **Video out connector**
Output the video signal
13. **DC power connector**
Connect with the AC/DC power adapter
14. **Power switch**



■ KEY FUNCTION

**1. Menu**

Press this button to enter or exit the menu mode

2. Mute control

Press this button to mute or restore the volume

Make selection

In menu mode, press this button to make your selection

3. Navigation the menu

In menu mode, press CH+ button and CH- button to move cursor up and down.

Press VOL- button and VOL+ button to move cursor left and right.

4. Volume adjustment

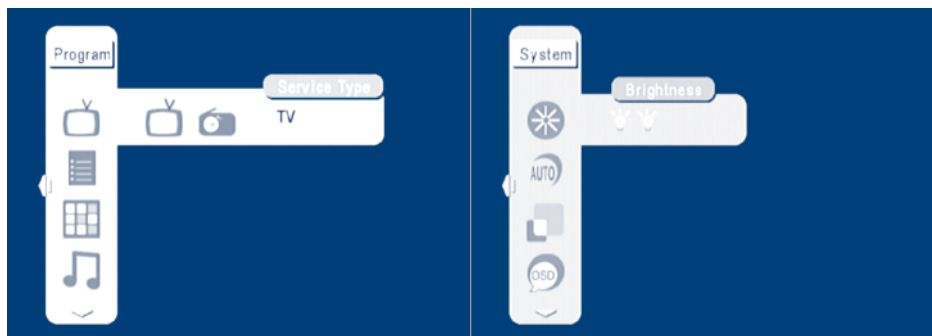
Press VOL- button or VOL+ button to adjust the volume

5. Channel selection

Press CH+ button or CH- button to select the TV/Radio channel

MENU

By pressing the VOL- button, you can switch between the program and system page.



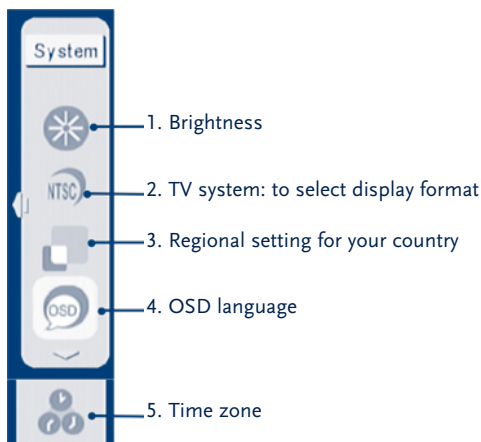
PROGRAM PAGE



1. Service Type: selection of either TV or Radio
2. Program list: to show the information of available channels
3. Preview: of up to 9 selected channels
4. Audio channel: selection of master or secondary language



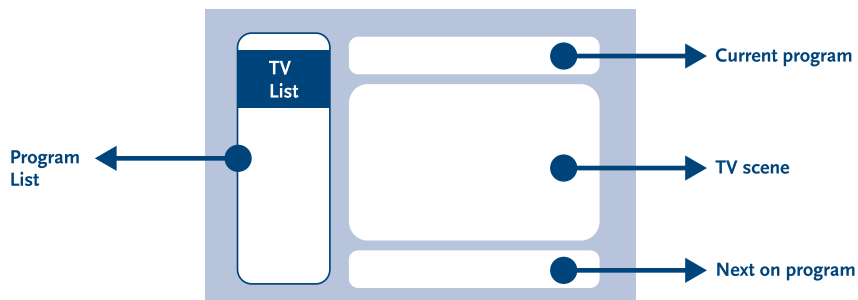
5. Subtitle language: if supported by system operator, press **OK** and use **VOL+ / -** buttons to select Subtitle system and **CH +/-** to choose language. Confirm your choice with **OK** button
6. Program info: system parameters and signal information
7. Automatic search
8. Manual search

SYSTEM PAGE

You can use **CH+** button and **CH-** button to highlight the item and press **VOL+** or **VOL-** button to select your choice. Press **OK** button to set your settings.

BUTTONS ON YOUR REMOTE CONTROL**■ Electronic Program Guide**

It shows the information of all available channels. Use **CH+** button and **CH-** button to select the channel, with **VOL+** and **VOL-** you see details of the channel.



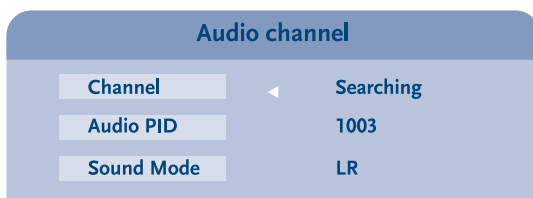
■ Digest

Get the snapshots of 9 programs simultaneously for user to quickly browse among different programs.



■ Audio

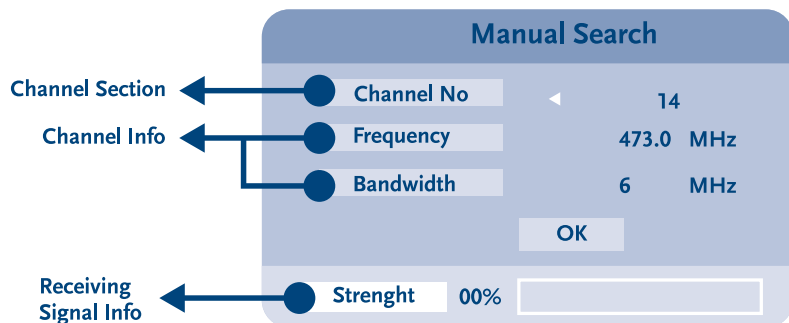
Master/secondary language selection. Use VOL+ and VOL- button to select the language you like to listen.



■ Manual Search

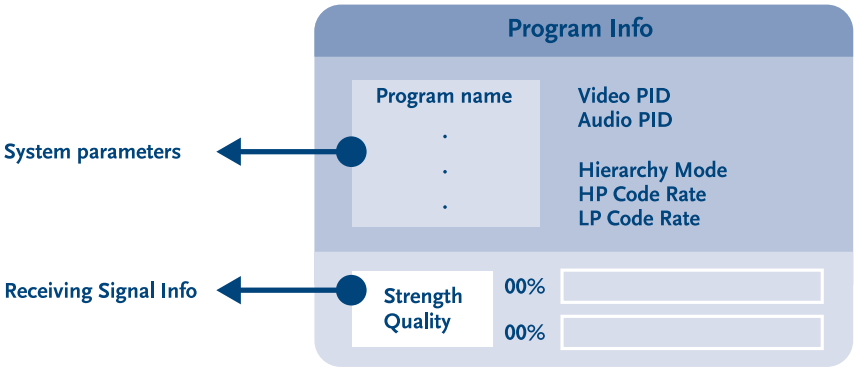
Perform program searching in the desired channel only.

(Found programs will be appended to the program list)



■ Program information

Provides information about system parameters and signal. Press **MENU** button to exit.



FIRST SETUP

When the unit is turned on the first time, please follow these steps to initialize.

1. Press **MENU** button, then **VOL-** button to enter the menu for system configuration.
2. Press **VOL+** button to adjust the brightness level of the display, exit with **OK** and then **CH-** button for the next step.
3. Press **VOL+** button, choose your TV system output, exit with **OK** and then **CH-** button for the next step.
4. Press **CH+** or **CH-** button, choose your OSD language, exit with **OK** and then **CH-** button for the next step.
5. Time will be automatically set. If you need to correct it, press **CH+** or **CH-** to adjust.
6. Go back to the top menu and press **VOL-** to enter program menu screen.
7. Highlight the automatic search item, press **OK** button.
8. Highlight the **OK** item, press **OK** button.
9. Channel searching will need a few minutes.
10. When channel searching is completed, press **CH+** or **CH-** to select the program.
11. To adjust the volume, press **VOL+** or **VOL-**.

AUTOMATIC CHANNEL SEARCHING

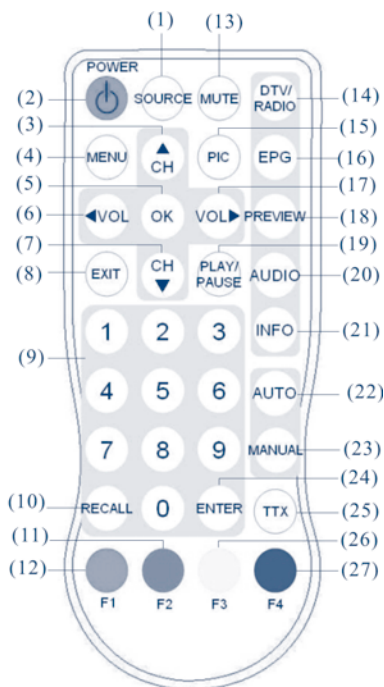
When you move to a new region and the system provider is different, you need to re-search for program channels. Please follow these steps.

1. Press the **MENU** button to enter menu screen.
2. Press **VOL-** button, highlight your region settings, select country and exit with **OK**.
3. Highlight the automatic search item and press the **OK** button.
4. Highlight the **OK** item and press the **OK** button.
5. Channel searching will need a few minutes.
6. When channel searching is completed, press **CH+** or **CH-** to select the program.

THE REMOTE CONTROL

Normal KEYS

1. **SOURCE**: no function.
2. **POWER**: power on/stand-by selection.
3. **Channel selection up** or move the cursor up.
4. **MENU**: enter the setup menu.
5. **OK**: select the highlighted item.
6. **VOLUME down** or move the cursor left.
7. **Channel selection down** or move the cursor down.
8. **EXIT**: exit the current setup.
9. **Digital keys**
10. **RECALL**: return to the last selected channel.
11. **RED button**: sub-title key in the normal operation mode or a hot key to go to the browsed Teletext pages in Teletext mode.
12. **GREEN button**: a hot key to go to the browsed Teletext pages in Teletext mode.
13. **MUTE**: mute control.
14. **DTV/Radio** selection.
15. **PIC**: no function.
16. **EPG**: electronic program guide.
17. **Volume up** or move the cursor right.
18. **PREVIEW**: preview selected programs.
19. **PLAY/PAUSE** selection.
20. **AUDIO**: second language and stereo selection.
21. **INFO**: DTV system information.
22. **AUTO**: automatic channel scanning.
23. **MANUAL**: manually select channels.
24. **ENTER**: enter the selected channel number.
25. **TTX**: Teletext key to display Teletext (has to be supported by broadcaster).
26. **YELLOW button**: page up in the EPG mode or a hot key to go to the browsed Teletext pages in the Teletext mode.
27. **BLUE button**: page down in the EPG mode or a hot key to go to the browsed Teletext pages in the Teletext mode.



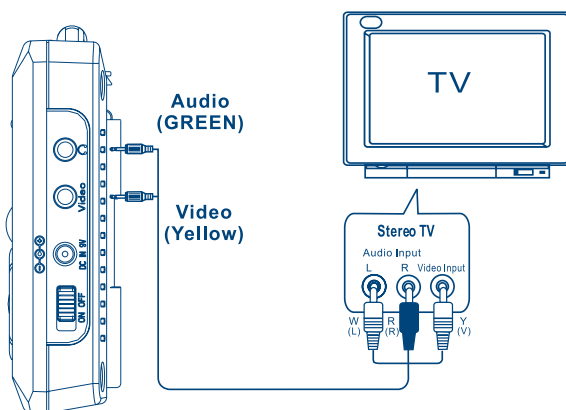
BASIC CONNECTION

CAUTION:

- Refer to the owner's manual of the connected equipment as well.

Before connecting the Handheld DTV to other equipments, please turn the power off and unplug all of the equipments from the outlet.

CONNECTION TO A TV SET



Connect Your Unit Directly To Your Television.

Do not connect unit through your video cassette recorder when setting up your home entertainment system, because the picture may not be played correctly due to the copy guard. If your TV set does not have the proper A/V plugs, please go to your local electronics store to purchase a video RF modulator.

TROUBLE SHOOTING Q&A

Before requesting service for this player, please check the following table illustrating possible reasons of the problems that you might encounter. Certain simple checks or adjustments on your DTV may eliminate the problem and restore the proper operation.

Trouble	Possible Reason	Solution
No picture, no audio	The battery power is too low Power cord is not properly hooked up. The receiver is not powered on.	Recharge the battery power Check the power cord connection. Click the "POWER" button to turn on the receiver.
The number of DVBT channels is not as many as we expected.	The no. of stored channels is small. Signal Quality Level of certain TV channels is too low. Certain TV channels are not provided locally.	Please click the "AUTO" button or "MANUAL" button key to re-scan all of the channels. Please put unit closer to a window or to a more free view place to increase the signal. No way to watch these channels.
All of the channels show "No Signal" or Mosaic tiles appear on the display	No DVBT service is provided in the area.	No way to watch these channels.
Video is good, but no audio	The voice volume is turned to low. The audio is muted.	Click the "VOL+ " button to raise the volume. Click the "MUTE" button to disable the mute function.
Remote control does not work	No power.	Check the battery of the remote controller.
The Handheld DTV does not work at all	No power.	Check the battery pack! It is placed up side down!

SPECIFICATION

Model number	SRT L 351
Display window	3.5" TFT LCD
Tuner	Frequency range: 177.5 ~ 862 MHz (UHF+VHF) Channel bandwidth: 6/7/8 MHz
Antenna	Built-in telescopic antenna for UHF band reception
Speaker	Built-in 0.5 W/8 Ohm speaker
Output	3.5 mm Video connector
Interfaces	3.5 mm Earphone/Audio connector
LED indicators	Power LED (Operation: green)
Controls	Infrared Remote control, 6 keys, Power on/off slide switch
OSD languages	English, German, French, Portuguese, Spanish, Italian, Dutch
Features	DVB-T TV/Radio, auto channel search, EPG, channel preview, teletext, subtitle
Power supply	100~240 V AC power adapter with 9 V/1.66 A DC output
Battery	External battery pack (6 AA batteries) for extended operations or External 7.4 V/1800 mA rechargeable lithium battery
Operating time	Typical 2.5 hours (when powered by external rechargeable lithium battery or external battery pack)
Dimensions	134 x 87 x 22 mm (without battery pack)
Weight	360 g (TV + Lithium battery)

Technical alterations reserved.

Environmental Issues

Strong is committed to reducing the impact of its products on the environment. To maximise the benefits of our design enhancements, your co-operation is required.

Electronic product recycling

Do not dispose of this product with your domestic rubbish

At the end of its useful life, this product contains materials which when processed correctly can be recovered and recycled.

By participating in the responsible recycling of this product you will be reducing the requirement for new raw materials and reducing the amount of material that would otherwise end up in landfill.

When you purchase a new, similar product your retailer may offer to take this old one off you. Alternatively, you can take it to your local recycling centre. Your retailer or local municipal authority will advise you of the collection facilities available for waste electronically products in your area. User of this service will be free to you.



Packaging

When disposing of this product packaging, please ensure that it is recycled. Packaging material is to be depolluted in waste separation.



Power Saving

To save power and money, please put the product into standby mode when not in use. We also recommend disconnection from mains supply when not in use for longer periods of time.



Within the scope of the European legislation on Waste Electrical and Electronic Equipment (Directive 2002/96/EC valid as of August 2005) STRONG provides a recycling system free of charge for consumers to returning products after end of life. For more information about STRONG's environmental policy to you:

www.strongsat.com - select "About us" and Environmental Policy" from the submenu.

Batteries

Do not dispose of the batteries from your handset with your domestic waste



Where they are available, participate in your local municipal or retailer collection schemes for spent batteries. Batteries discarded in landfill sites or incinerated increases the chances of pollutants being dispersed into the atmosphere.

Alternations reserved