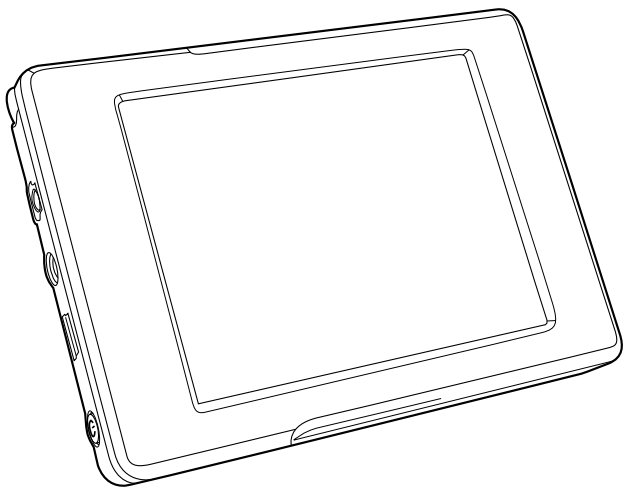


# DVBT-ST35

## User Manual



Please read carefully before use

**LASER**

# DVBT-ST35 User Manual

## IMPORTANT SAFETY INSTRUCTIONS AND PRECAUTIONS

- Care should be taken when using the external antenna. Please remove the fitting carefully from the device. Do not pull at the cord to remove it.
- Ensure that the ventilation holes are not blocked when using this device. Heat build up may cause this device to fail.
- There are no serviceable parts in this device. Attempts to open this device by unauthorised personnel may cause further damage and void the warranty.
- Picture quality will be dependant on signal quality and strength. This device may not be able to pick up all stations in all areas. For best results, use in a strong signal area and ensure that the antenna has a clear unobstructed view of the sky.
- Do not bend, drop, crush, puncture, incinerate, or open this device.
- Avoid use in extreme temperatures.

- Do not use this device in rain, or near washbasins or other wet locations. Take care not to spill any food or liquid into it. If the device gets wet, unplug all cables, turn it off and allow it to dry thoroughly before turning it on again.
- Never attempt to repair this device by yourself. It does not contain any user serviceable parts. Only authorised service providers should replace the battery.
- Use headphones safely. Using headphones while operating a vehicle is not recommended and is illegal in some areas. Be careful and attentive while driving. Stop using this device if you find it disruptive or distracting while driving or performing any other activity that requires your full attention.
- Use only the USB drive adaptor to connect USB drives to the Device. Do not attempt to connect the device to a PC or DC power supply using this port. Connecting the DVB-T player to any other device other than described in this manual may void the warranty.

# DVBT-ST35 User Manual

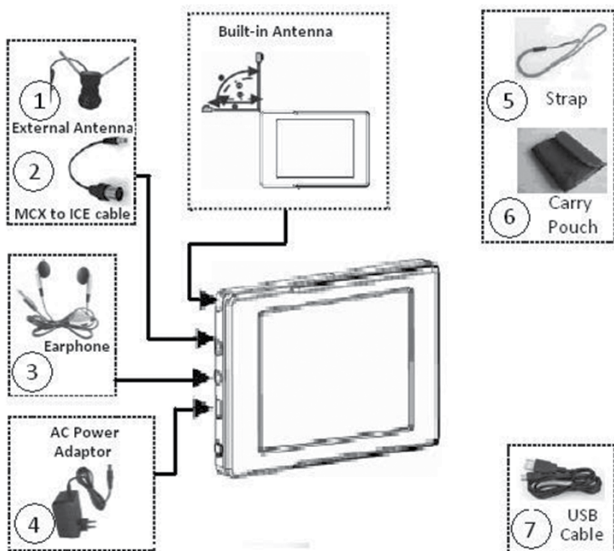
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## ACCESSORY LIST

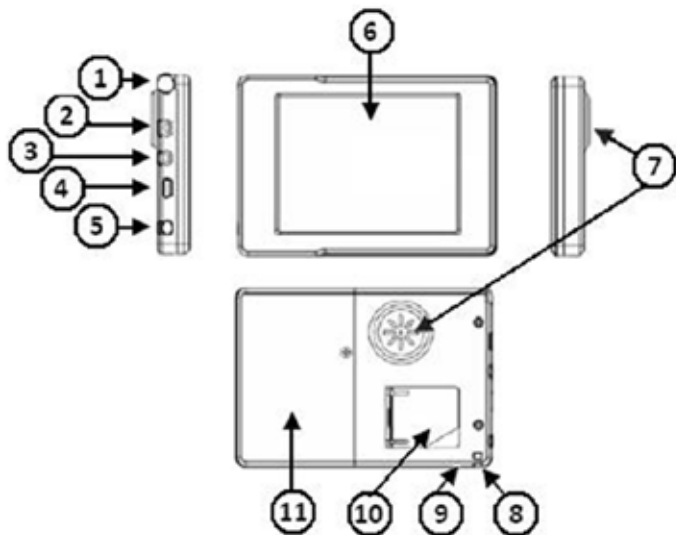
1. External Antenna
2. MCX-to-ICE cable
3. Earphone
4. AC/DC Power adaptor
5. Wrist strap
6. Carry pouch
7. USB Cable

## CONNECTION GUIDE



# DVBT-ST35 User Manual

## KNOWING YOUR DVT











- 1 Built in Antenna
- 2 External Antenna socket
- 3 Ear Phone out Socket
- 4 USB Port (For Charging Only)
- 5 Power Button/Charging LED
- 6 LCD Touch Panel

- 7 Speaker and Ventilation Grill
- 8 Wrist Strap Eyelet
- 9 Reset Button
- 10 Stand
- 11 Battery Flap

## USING THE MAIN MENU

This is the Main Menu Screen. From here you can select DVB-T TV mode, DVB-T Radio mode, FM radio Playback or enter the system settings menu.



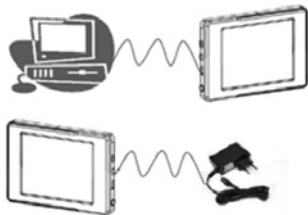
 <b>DVB-T TV</b>		<b>DVB-T TV mode</b> To enter DVB-T TV Mode
 <b>DVB-T Radio</b>		<b>DVB-T Radio mode</b> To Enter DVB-T Radio Mode
 <b>FM/RDS</b>		<b>FM Radio mode</b> To Enter FM Radio Mode
		<b>System Settings</b> To enter the System setting Menu to configure the device

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## QUICK START GUIDE FOR FIRST TIME USE

### Step 1: Charging the Device

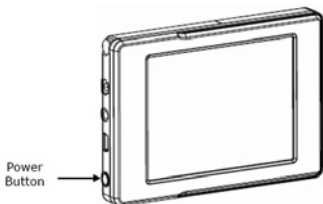
1. Connect the power adaptor to the main unit, or connect the main unit to a PC using the supplied USB cable.
2. When the battery starts charging, the Charge LED will Glow RED.
3. When the battery is fully charged The LED will turn off



### Step 2: Turning the Device on

Press the Power button to turn on. Press again to turn the device off.

**Note:** The LED will turn blue when in use. The unit can also be used while charging. The LED will turn purple if used when being charged. The length of time required to charge the unit will increase if it is being used.



### Step 3: Setting up the device the first time.

1. Double tap the DVT-T ICON in the main menu to start the Digital TV service.
2. As no channels have been stored the channel bar should read "000 No Channel".
3. Tap the [MENU] button on the lower right hand side of the screen.
4. Tap the [EXIT] Button to start the "First Time Installation Wizard".
5. Tap the [OK] Button to begin.
6. If the Country and Antenna settings are incorrect, tap and select the correct setting.
7. Once all the settings are correct, tap the [START] button.




8. Once the Wizard is complete, the TV screen will be shown.


**Note:** After a few seconds, the OSD will disappear automatically. Touch the screen anywhere to display the OSD again.



#### Step 4: Quick Channel Switch.

1. Tap the screen to bring up the OSD.
2. Tap the  icon to activate the channel list.
3. Tap on the desired channel to watch and then press the [X] to exit.



4. To adjust the volume tap the [+] or [-] button as required or tap the  to mute the sound. Tap again to restore the sound.
5. To access the DVB-T system menu tap on the [menu] button.
6. To return to the Main Menu tap on the [HOME] button.

**Note:** Channel listings will vary between areas. It may be necessary to rescan for new channels if you have changed location substantially. This device may not receive all channels in all areas. If reception is poor, please try to rescan using the external antenna.

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## Step 5: Setting up the DVB-T Radio

If you have tuned the device to DVT-TV channels, the device will have stored all DVB-T Radio channels detected during the scan. It will not be necessary to rescan for Radio channels. If the device has not been used before, please use the following steps to tune the device to the DVB-T Radio broadcasts in your area.

1. Double tap the DVT-T Radio ICON in the main menu to start the Digital TV-Radio service.
2. As no channels have been stored, the channel bar should read "No Channel".
3. Tap the [MENU] button on the lower left hand side of the screen.
4. Tap the [EXIT] Button to start the "First Time Instillation Wizard".
5. Tap the [OK] Button to begin.
6. If the Country and Antenna settings are incorrect, tap and select the correct setting.
7. Once all the settings are correct, tap the [START] button.

8. Once the Wizard is complete, the radio screen will be shown.

**Note:** After a few seconds, the screen will go blank. This is a power saving feature. Touch the screen anywhere to display the screen again.



9. Tap the [◀] button or the [▶] button to switch between available channels.
10. To adjust the volume tap the [+] or [-] button as required or tap the [🔇] to mute the sound. Tap again to restore the sound.
11. To access the DVB-T system menu tap on the [menu] button.
12. To return to the Main Menu tap on the [HOME] button.

## SETTING UP THE FM RADIO

The DVB-T Touch can be used as a FM radio receiver so you can listen to all your favourite FM radio stations that are broadcast in your area.

### Important Note

You will need to insert the Earphones to improve FM reception.

1. Double tap the FM/RDS Radio ICON in the main menu to start the FM Radio service.
2. It is possible to tune the FM radio frequencies manually or automatically.

- A) Manual Scanning: Tap the [ ] button or the [ ] button to adjust the frequency up or down to tune the radio.
- B) Automatic Scanning: Tap the [Auto Search] button to automatically scan for the next station.

**Note:** After a few seconds, the screen will go blank. This is a power saving feature. Touch the screen anywhere to display the screen again.



3. To adjust the volume tap the [+] or [-] button as required or tap the [Mute] to mute the sound. Tap again to restore the sound.
4. The Radio will be played to both the Earphones and the internal speaker. The internal speaker can be muted by tapping the [Mute] button. Tap again to activate the internal speaker.
5. To return to the Main Menu tap on the [HOME] button.













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## THE DVB-T TOUCH SYSTEM MENUS

This menu can be accessed when in the DVB-T TV or DVB-T Radio by tapping on the [Menu] Button and allows the user to access and set the features for both DVB-T TV and DVB-T Radio.

Please see below for an explanation of the functions.



		<b>Program list</b> To show the information of all available channels.
		<b>Antenna Selection</b> Select either inbuilt Antenna or external antenna for Receiving Digital broadcasts.
		<b>Auto Search</b> To automatically search for available Digital Channels in your current area.
		<b>Audio Settings</b> Allows the selection either the master or secondary language audio channel (if broadcast).
		<b>Program Information</b> To show the information of the current service's system parameters and signal information
		<b>Aspect Ratio</b> Displays the 16:9 content in total zoom, vertical zoom, or 16:9 format

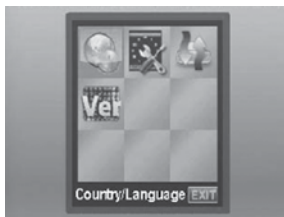
		<b>Subtitle</b> To select a subtitle language for the current program from (if Broadcast).
		<b>Teletext</b> To show Teletext services if available in your area.









## THE SYSTEM-SETTING MENU

This menu can be accessed only from the main menu by tapping

the  icon.

Please see below for an explanation of the functions



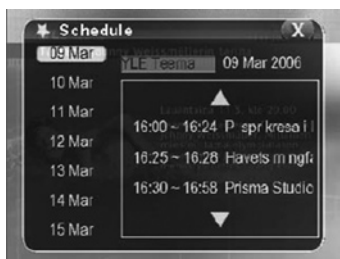
		<b>Country/Language</b> Set the Screen language to be displayed and the Country for current location.
		<b>Time Setting</b> Enables/Disables daylight saving and sets GMT offset for current location.
		<b>Software Version</b> Displays the current software (firmware) version used on the device. (May be required for tech Support)
		<b>Reset Defaults</b> Resets the system to factory settings.

## CHANGING THE SETTINGS

### 1. Program list. (EPG)

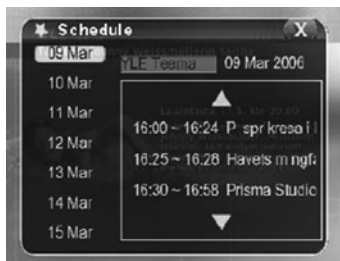
#### A) Program List

- 1) Select any channel on the list to jump into the channel by touching the channel name.
- 2) Press the highlighted channel to show the detail schedule of the selected channel.
- 3) Tap the [X] button to exit



#### B) Program Schedule

- 1) Choose the desired date by touching it on the screen
- 2) Press the desired program name to see brief information.
- 3) Tap the [X] button to return to the "Program List" page.



#### C) Program Schedule

- 1) Tap the [X] button to return to the "Program List" page.



## 2. Antenna Selection

- 1) Tap the desired antenna twice to change the setting
- 2) Tap the [X] button to exit.



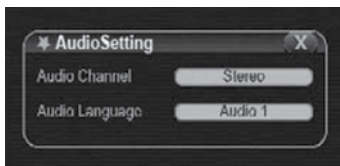
## 3. Auto Search

- 1) Adjust the country setting by pressing the current highlighted country-setting
- 2) Select the required antenna setting by tapping the current antenna setting.
- 3) Select the required options as displayed to change the settings.
- 4) Tap the [Start] button to begin the Auto Search.
- 5) Tap the [X] to exit.



## 4. Audio Setting

- 1) Tap on the Highlighted text to change the setting.
- 2) Any available options will be displayed. Select the desired option.
- 3) Tap the [X] to exit



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## 5. Program Information

- 1) Tap the [X] button to exit.



## 6. Aspect ratio

- 1) Tap on the desired display format
- 2) Tap [X] to exit



## 7. Subtitle

- 1) Tap the desired available Subtitle language to display it.
- 2) Tap [X] to exit.

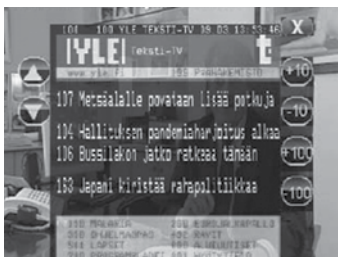
Note: Subtitles are only available if broadcast by current channel





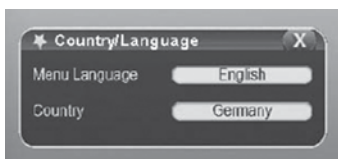
## 8. Teletext

- 1) Tap the [ ] button to go to the next page.
- 2) Tap the [ ] button to go the previous page.
- 3) Tap the [+10] button to go to the next 10m pages.
- 4) Tap the [-10] button to go to the previous 10 pages.
- 5) Tap the [+100] to go to the next 100 pages.
- 6) Tap the [-100] button to go to the previous 100 pages.
- 7) Tap the [X] button to exit



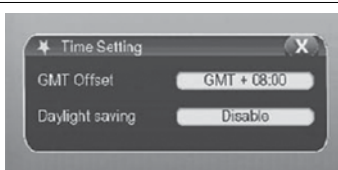
## 9. Country/Language

- 1) Choose the Language you would like the menus to be displayed in.
- 2) Choose your correct DVB-T region by tapping the highlighted current country setting
- 3) Tap [X] to exit



## 10. Time Setting

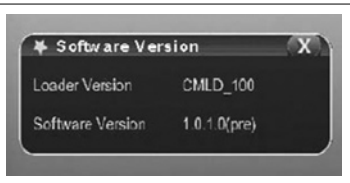
- 1) To enable or disable daylight savings, tap the highlighted current setting.
- 2) Select the correct GMT offset setting by tapping on the current setting.
- 3) Tap [X] to exit.



## 11. Software version

- 1) Tap the [X] button to exit

**Note:** This information may be required if requested by technical support.



## 12. Reset Default

- 1) Tap the [Yes] button to reset the device to the factory settings
- 2) Tap the [No] button or the [X] button to exit

**Note:** Resetting the default will cause all stored channels to be lost.



## TROUBLE SHOOTING Q & A

Most of the troubleshooting issues can be easily solved. The common cases and the respective solutions are listed in the table below. If the problem is not listed or not shown, please contact technical support.

Problem	Possible reason	Solution
No Picture, No Audio	The Batteries are totally discharged.	Replace batteries with new ones
	The power cable is properly connected to the device.	Check the power lead connection. Confirm that the adaptor has power.
	The Device is not switched on.	Slide the "Power Switch" to the "ON" position.
The number of DVB-T channels is not was expected	The number of available channels is limited to the number of channels broadcast in a given area.	Perform "Auto Search" or "Manual Search" to rescan all channels.
	The signal quality of some channels is too low	Use the external antenna to increase the reception sensitivity. For Indoor use, place the antenna on a high point close to a window.
	Some TV channels are not available	Only the locally broadcast channels can be viewed. They can differ from area to area.
All channels show "No Signal" or random mosaic tiles appear on the display.	Some TV channels signal quality is too low.	Use the external antenna to increase the reception sensitivity. For Indoor use, place the antenna on a high point close to a window
	Wrong antenna is used	Use only the external antenna provided with this device
	No DVB-T service is provided in the area	Check the DVB-T coverage in your area.
The video is fine but there is no sound	The volume is too low	Click the "VOL +" button to raise the volume
	The audio is muted	Click the "MUTE" button to disable the mute function.
The power LED is flashing.	The battery power is too low	Connect the TV to an external power source or replace the batteries

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## SPECIFICATIONS

<b>Antenna</b>	
Passive Antenna	Built-in Telescopic Antenna
External Antenna Input Connector Type	MCX-type Antenna
<b>Display</b>	
Panel Type	3.5 inch QVGA TFT LCD Touch screen
Resolution	320x240 pixels
Brightness	320 nits
Contrast Ratio	400:1
View Angle	120o (Horizontal)/105o (Vertical)
<b>Tuner Input</b>	
Frequency Range	170~230MHz (VHF)+ 470~862MHz (UHF)
RF Input Impedance	75 ohm
Channel Bandwidth	6/7/8 MHz
<b>Power</b>	
Input Voltage	5V DC from USB
Power Consumption	1.8Watt ~1.6Watt
Battery	Built-in 3.7V/1300mAh rechargeable polymer
<b>Software Feature</b>	
Multi Language	English, German, French, Spanish, Italian, Turkish, Traditional Chinese
Functions	DVB-T TV and FM Radio, Auto Scanning, EPG, Channel Management, Teletext, Subtitle, and Aspect Ratio Adjustment (If Broadcast)
<b>Input/Output Features</b>	
Audio Output	1 Stereo Earphone (L/R) out (3.5ø)
Speaker Output	1 built-in speaker (8 ohm, max 0.5W)
Mini USB AB Female	Power Supply
Power Switch	1 button for Power On/Off
<b>Dimension/Weight</b>	
Dimension	10 cm x 7 cm x 1.3 cm
Weight	73g or 123g (including battery)
<b>Technical Support</b>	
Website	<a href="http://www.LaserCo.net">www.LaserCo.net</a>

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