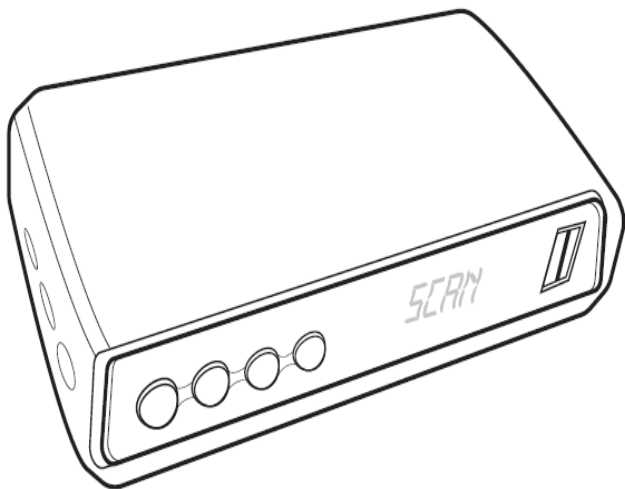


LASER

User Manual



Applies to:
Batch#: 310091 and above
Software version: 1.50.-48.207 2024-1-9

Set Top Box

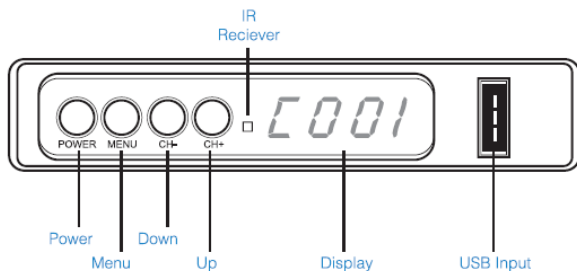
STB-9000-675_v2

WHAT'S IN THE BOX

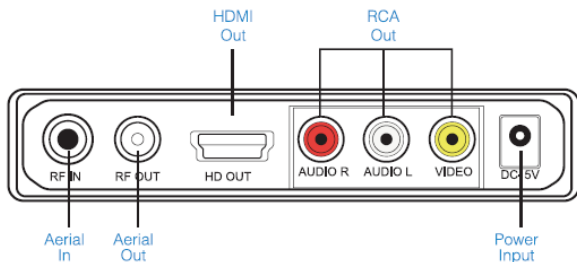
- Set top box (STB)
- Remote control
- 2x AAA batteries
- Power adaptor
- RCA cable
- User manual

OVERVIEW

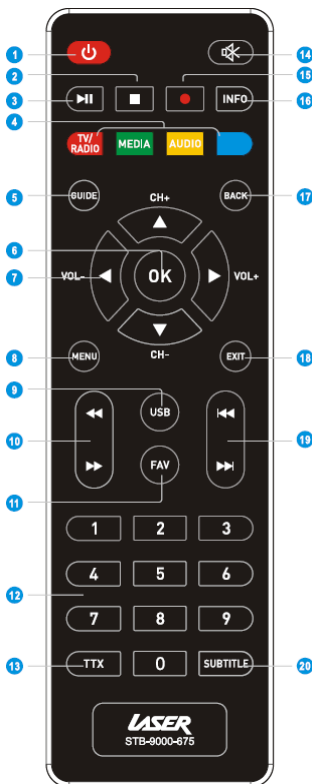
Front panel



Rear panel



REMOTE CONTROL

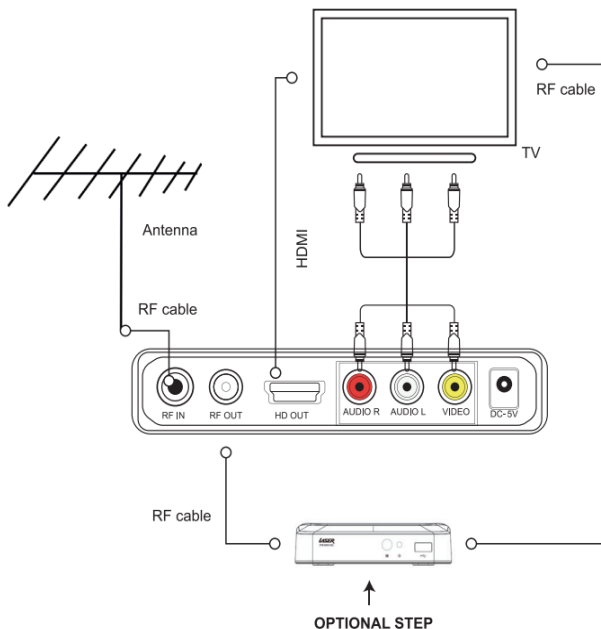


REMOTE CONTROL

continued...

1	Power	Power on/off	9	USB	Access connected USB hard drive
2	Stop	Stop playback or recording	10		Rewind
3	Play/Pause	Play or Pause playback; pause live TV			Fast forward
4	TV/Radio	Swap between TV and Radio channels	11	FAV	Set or display favourite programs
	Media	Playback recorded content	12	0-9	Number input
	Audio	Enter Audio Setting Menu	13	TTX	Enter/exit Teletext Menu
		Display recording schedule that was booked via EPG	14	Mute	Enable/disable Mute
5	Guide	TV Program Guide	15		Press to manually record current TV/ Radio channel when USB storage is connected.
6	OK	Confirm current selection	16	INFO	Show/Hide Service information
7	V+	Increase volume	17	BACK	Go back to previous menu/function
	V-	Decrease volume	18	EXIT	Exit current menu/function
	CH+	Channel Up	19		Skip forward
	CH-	Channel Down			Skip backward
8	MENU	Enter settings menu	20	SUBTITLE	Display Subtitles

CONNECTING TO A TV



CONNECTING TO A TV

continued...

- Plug an antenna into the **RF IN** port located on the back of the set-top box.
- Connect the STB to your TV using either the provided RCA cable or an HDMI cable (not included).

Pro tip: For the best video and audio quality, opt for an HDMI cable.

- Power up the STB by connecting it to a power source.
- **Optional Step:** If you want to record one channel while watching another or send the antenna signal to another device, attach another antenna cable to the **RF OUT** port on the STB and connect the other end to the TV's RF IN port.

GETTING STARTED

- Ensure all connections are securely in place and confirm that the power is properly connected.
- Power on the TV and switch to the input corresponding to the STB connection.
- The installation guide will automatically display on your screen when you power on the STB for the first time or after a factory reset.



- Navigate through Region, Language, Display Mode and Aspect Mode settings using the ▲/▼ buttons.
- Utilize the ◀/▶ buttons to select different options within the settings.
- Highlight and press **OK** to automatically scan for channel signals within the reception range and save them to the default channels list. This list dictates the channels accessible when

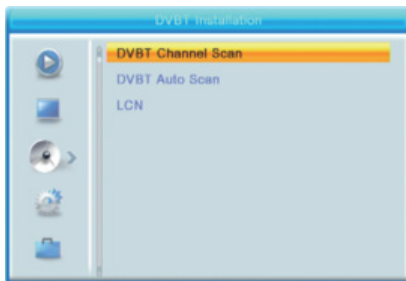
GETTING STARTED

continued...

using **CH-** or **CH+**.

Important: Perform the channel search before using the Set Top Box.

Tip: In case of an error or if the installation guide is not visible, you can update your preferences in the settings menu later. Simply press the **Menu** button on the remote, go to **Installation > DVBT Installation > DVBT Auto Scan**, and press **OK**.



TV GUIDE

The TV guide allows you to browse through the TV channels and programs (subject to broadcaster), and schedule recording programs.

- To access the TV guide, press the **GUIDE** button on the remote.
- To activate the TV Channels use the ▲/▼ buttons to select a channel in the left column, then press **OK** to confirm.
- Use the ◀/▶/▲/▼ buttons to browse through the programs list. Alternatively, press the  button and follow on-screen icons to explore programs for the next 7 days (availability subject to broadcaster).
- Select a program and press the **OK** button to see a synopsis of the program.
- Press the  button to bring up the **Timer Settings** screen to setup program recordings.
- Press the **EXIT** button to quite the TV guide.

SETTINGS MENU

Refer to the guide below for a list of buttons required to adjust and modify your settings.

Remote Button	Function
MENU	Display settings menu
► or OK	Enter sub menu
▲ ▼	Switch between sub menu items
◀ ▶	Adjust a value
MENU or EXIT	Return to the previous menu and exit the settings menu.

Media Player

Play media directly from a USB storage device that is connected.

- **PVR**
View a list of recorded TV programs.
- **Video**
View a list of video files.
- **Music**
View a list of music files.

SETTINGS MENU

continued...

- **Image**

View a list of photo files.

- Press **EPG** to switch between **PVR**, **Music**, **Image** and **Video** sections.
- Select a file and press **OK** to play it.
- Follow on-screen instructions in each section to edit the file list.
- Playback of various media types has distinct controls. Common playback control buttons are:
 - : Play/pause/resume playback
 - : Stop playback
 - : Rewind
 - : Fast forward
 - : Skip backward
 - : Skip forward

Edit Channel

- **TV Channel List / Radio Channel List**

Edit TV or radio channels lists.

- **Lock a channel from being edited**

Press  > select a channel and press **OK** >

SETTINGS MENU

continued...

Press  again to finalise.

- **Add a channel to the Favourites list**

Press **FAV** > select the channel and press **OK** > select the **Favourites** group and press **OK** > press **MENU** to go back > press **FAV** to finalise.

- **Skip a channel from the channels list**

Press  > select a channel and press **OK** > Press  again to finalise.

- **Move a channel**

Press  > select the channel and press **OK** > press  /  to move the channel to the new location and press **OK** > press  to finalise.

- **Edit the channel list**

Press , then

- Press  > select a channel and press **OK** to rename > Press  again.
- Press  > select a channel and press **OK** to remove the channel from the list > Press  again to finalise.
- Press **MENU** to go back.

- **Delete All**

Delete all channels.

SETTINGS MENU

continued...

DVBT Installation

- **DBVT Channel Scan**

Manually select Band and Channel no., or Bandwidth and frequency to scan digital TV channels.

- **DVBT Auto Scan**

Automatically scans all available FTA (free-to-air) TV channels.

Adjust settings (default settings are set for Australia), select **Search** and press **OK**.

- **LCN (Logical Channel Numbering)**

Enable/disable the display of the channel list based on their logical channel numbers.

When disabled, channel numbers are assigned sequentially according to the order in which they were received by the STB.

System Setup

- **Language**

- **Language**

Set display language for on-screen menus.

SETTINGS MENU

continued...

- **First Audio**
Set the primary audio language (subject to program).
- **Second Audio**
Set the secondary audio language (subject to program).
- **Teletext**
Set Teletext language. This service is not supported in Australia anymore.
- **TV System**
 - **Video Resolution**
Set the video output resolution.
Pro tip: 1080p_60 provides the best resolution (subject to your TV/monitor).
 - **Aspect Mode**
Set the screen ratio to optimise the display format for your TV or monitor.
 - **Digital Audio Out**
Set digital audio output options for enhanced sound quality.
Options: LPCM Out, BS Out
LPCM – transmits an uncompressed, high-fidelity audio signal.
BS (Bitstream) – transmits an encoded audio

SETTINGS MENU

continued...

signal to your external audio equipment, which then decodes and processes the audio for optimal sound quality.

- **Display Setting**
 - **Brightness**
Adjust the overall screen brightness.
 - **Contrast**
Adjust the contrast of the bright and dark areas of the picture.
 - **Saturation**
Adjust the colour saturation.
 - **Hue**
Adjust the colour balance of the picture.
 - **Sharpness**
Adjust the sharpness of the picture.
- **Local Time Setting**
 - **Region**
Set the country.
 - **GMT Usage**
Set how GMT time offset is adjusted.
Options: By Region (GMT is set based on the country), User Define, Off

SETTINGS MENU

continued...

- **GMT Offset**
Manually adjust the GMT Offset. This setting is enabled when **GMT Usage** setting is set to **User Define**.
- **Date**
Displays the current date.
- **Time**
Displays the current time.
- **Timer Setting**
Schedule to record a TV program.
 - Pick the next available list number and press **OK**.
 - Set **Timer Mode** to **On**.
 - Then set other setting options (Channel, Start date, Start time, Duration), highlight **Save** and press **OK**. Use the number buttons on the remote when entering date/time.
- **Parental Lock**
Enter the factory password **0000**.
Note: Make a record of the password and ensure its safekeeping, as it cannot be reset or recovered. Even a factory reset necessitates the use of the password to take effect,

SETTINGS MENU

continued...

preventing any reset via the factory resetting of the STB.

- **Menu Lock**
Block access to the settings menu.
- **Rating Lock**
Block access to specific program ratings.
- **New Password**
Set a new password
- **Confirm Password**
Re-enter the new password.
- **OSD (On-Screen Display) Setting**
 - **OSD Timeout**
Set the preferred amount of time for the OSD to be displayed on the screen.
 - **OSD Transparency**
Set OSD transparency level.

SETTINGS MENU

continued...

- **Favourite**

Set up favourite channel groups.



- **Audio Description Setting**

- **AD Service**

Enable/disable Audio Description service (subject to program).

- **Use AD as default**

Enable/disable using Audio Description as default.

- **AD Volume Offset**

Set Audio Description volume offset.

- **PVR Storage Information**

Display information on the connected USB storage device.

- Press  to format the USB storage device. Set **Disk Mode** to **FAT**, highlight **OK** and

SETTINGS MENU

continued...

press **OK**.

- Press  to set the recording type.

Options: Record only, Timeshift only, Record and Timeshift.

- **PVR Setting**

- **Timeshift**

Enable/disable time-shift feature.

- **Timeshift to Record**

Enable/disable recording from time-shift function.

- **Other**

- **Antenna Power**

When enabled, the STB will provide 5V to the antenna.

- **Channel Play Type**

Set the type of channels to be played.

- **Auto Standby**

Enable/disable automatically going into standby mode.

If the STB does not receive any commands from the remote or if no recording event is scheduled to start within the designated time, the STB will enter auto standby mode.

SETTINGS MENU

continued...

Tools

- **Information**

Display hardware and firmware version.

- **Factory Setting**

Restore all system options to their factory-default settings. This process will result in the loss of all channel lists, favourites, and presets.

Note: This option is secured by a password, with the default being **0000**.

- **Upgrade by USB**

Update the system firmware by the USB.

Warning: Incorrectly updating the software may result in the STB becoming non-functional.

- **Remove USB device safely**

Before physically unplugging the USB device, use this option to eject the device safely.

- **Network**

Plug in a USB Wi-Fi dongle (not included) to setup a network connection.

SETTINGS MENU

continued...

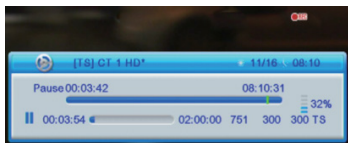
- **Network Setting**
View network settings.
- **Network Application**
View a list of supported network applications.
- **Upgrade by Network**
Update the system firmware over the network.

RECORDING & PAUSING LIVE TV

Recording and time-shift require a compatible USB storage device to be connected to the set top box.

- The USB storage device must be capable of supporting USB 2.0 speeds to ensure proper recording.
- The USB storage device should be formatted with the FAT32 file system.
- Up to 750GB USB drives are compatible.
- **Caution:** The USB port can only power USB flash memory devices. To power the USB hard drives, use a separate power supply.

Manual recording



- To begin recording, press the  button. The **REC** icon will appear on the screen.
Tip: Press the  button a second time (or twice) to set the recording time duration. Use arrow buttons to switch between digits, and use the number buttons to input the time, which should

RECORDING...

continued...

be in hh:mm format. The default duration is 2 hours.

- To stop recording, press the  button. A confirmation message will appear. Select **Yes** to stop recording; **No** to continue recording.

Scheduled recording

- **Via EPG**
 - Press the **EPG** button.
 - Use arrow buttons to select the program you want to record and press  the button to bring up the **Timer Setting** screen.
 - Update settings as needed, then highlight **Save** and click **OK** to set the schedule.
- **Via settings menu**
 - See **Timer Setting** section on page 17.
- **Note:** While recording, you can watch another program from the same multiplex (broadcaster) only.
- **Note:** For USB 3.0 devices, please always use a USB 2.0 connection cable.

RECORDING...

continued...

Timeshift (Pause live TV)

Temporarily pause the live TV signal, then resume playback at your convenience.

- Press the  button to pause live TV.
- Press the  button again to resume playing the program.
- Press the  button to exit time-shift.

TROUBLESHOOTING

The unit will not turn on

- There is no power. Ensure that the power adaptor and cord are securely connected, and confirm that the outlet is supplying power.
- The unit is currently powered off. Press either the power button on the remote or the one on the front of the STB to turn on the unit.

There is no picture, the picture is distorted, or the buttons on the unit are not working

- Ensure proper connection of the antenna; make sure the RF IN antenna cable is securely connected.
- If the current station experiences broadcast difficulties, consider trying the station again later or switching to a different one.
- If you notice freezing or distortion in the video, such as tiling or discolouration, it may indicate a weak TV signal. Consider amplifying the signal by activating the **Antenna Power** setting in **Menu > System Setup > Other**. If that doesn't work, you might need a larger or powered antenna.
- If the picture appears fuzzy or blurry, opt for High Definition (HD) channels or programs.

TROUBLESHOOTING

continued...

- The picture looks snowy. A snowy picture usually results from a weak signal. Adjust the antenna or install an antenna amplifier.
- The picture is doubled or there is a ghosting effect. Double images are usually caused by signal reflections from tall buildings. Adjust the direction of the antenna or try to elevate it.
- The picture is wavy. Wavy patterns across the screen are usually caused by nearby radio transmitters or other devices that are interfering with reception. Turn off other devices in the area.
- Try a different antenna cable or another TV if possible.

The TV screen displays a “No Signal” message

- Ensure you have chosen the right input/source on your TV for the STB connection, such as AV1, AV2, HDMI1, HDMI2, etc.
- Check if the antenna cable is correctly connected; make sure it's securely attached. Verify the STB's functionality by pressing the MENU button on the remote. If the menu appears, the STB signal to the TV is functioning correctly, but there may be an issue with the

TROUBLESHOOTING

continued...

antenna connection.

- Rescan channels by going to **Menu > Installation > DVBT Installation > DVBT Auto Scan**.
- Try a different antenna cable or another TV.

The TV format setting is incorrect

- Make sure the setting matches your TV type (e.g., NTSC or PAL). Older TVs may need to be set to PAL as they only support max 50Hz signals.

There is no/distorted sound

- Make sure that the MUTE function is not on.
- If using an AV/RCA cable make sure the cables have been connected to the correct ports on the set top box and your TV. Generally, the white and red plugs are for sound and the yellow plug is for video.
- Ensure that connection to the external audio device is correct and that all cables are fully inserted.
- Ensure correct input source and audio settings have been selected on the external audio

TROUBLESHOOTING

continued...

device.

- Check the sound settings in the STB: **Menu > TV System > Digital Audio Out** to **LPCM Out**.

The remote control is not working

- Make sure that the batteries are installed with their poles (+/-) in the correct direction.
- Remove any obstacles between the remote control and remote control sensor on the STB.
- The batteries may be exhausted. Try replacing both batteries with new ones.
- Try pointing the remote directly at the remote control sensor from 1.5 away.

PVR recording is not working or only recording intermittently

- If the external hard drive has its own power adaptor, use it.
- This issue can occur if you are using NTFS drives. Please make sure the USB drive you are using is formatted to the FAT32 file system and is no larger than 750GB.

TROUBLESHOOTING

continued...

Media files don't play properly

- The files that use an unsupported codec or container will not play on the STB.
- Some files may not play correctly if there is an error in the content or container.

Where can I find the Batch number?

- Check the product label on the bottom of the set-top-box.



SPECIFICATIONS

Power adaptor	Input: 100-240V~ 50/60Hz Output: DC 5V/2A
Power consumption	6W max.
Input frequency range	170-230MHz (VHF), 470-860MHz (UHF)
Input impedance	75Ω
Bandwidth	7MHz and 8MHz
Resolution	480i/p, 576i/p, 720p@50/60Hz, 1080i/p@50/60Hz
Aspect ratio	Letter box, 4:3, 16:9
Ext. storage	Up to 750GB
USB file format	FAT32, FAT, NTFS

WARRANTY AGAINST DEFECTS

Laser warrants your new product to be free from defects in materials and workmanship for 12 months, from the date of purchase, provided that the product is used in accordance with accompanying recommendations or instructions where provided. The benefit of this warranty is in addition to your rights under the Australian Consumer Law and to other rights and remedies of the consumer under a law in relation to the goods or services to which the warranty relates.

Through a network of retailers and resellers, Laser will provide you with your choice of a refund, repair, or exchange (where possible) for this product if it becomes defective within the warranty period. This warranty will no longer apply where the defect is a result of alteration, accident, misuse, abuse, normal wear and tear, neglect, or improper storage. **Please retain your receipt as proof of purchase.**

How to make a product warranty claim:

1. Find your receipt with date of purchase. If this is not available, Laser will make an assessment based on the date of manufacture, condition of the product and type of defect.
2. Please contact your original place of purchase. They will assess the nature of the fault and refund or replace the product as per their store refund or warranty policy.
3. If your original place of purchase cannot be contacted, please contact Laser with a description of the fault. To assist our team in providing you with a quick resolution, please include and photos and/or a short video demonstrating the fault with your product.
 - Phone: (02) 9870 3355
 - Email: support@laserco.com.au
 - Online: www.laserco.com.au/warranty and follow the website instructions
 - Business Address: U1 6-8 Byfield Street, Macquarie Park, 2113, NSW, Australia
4. Laser will review your claim and in the first instance, attempt to troubleshoot and resolve the issue for you without the need to return the product.
5. If it is determined via troubleshooting that your product may be faulty, our team will provide instructions to have the product returned for assessment. If the product does need to be returned within the warranty period, Laser will arrange return shipping at no cost to you.
6. Once we receive the product, our experienced technicians will assess it and determine how best to resolve the issue.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

*Thank you
for your purchase!*

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For specific information relating to your product such as Spare Parts, FAQs, Warranty claims, and more, please scan the following QR code:



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