

# HD Free to Air Satellite Receiver

## User Guide

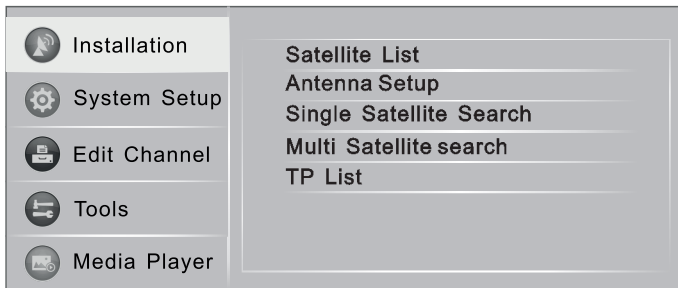


### Technical Support

For further information visit [www.labgear.co.uk](http://www.labgear.co.uk)  
or Email: [technical@labgear.co.uk](mailto:technical@labgear.co.uk)

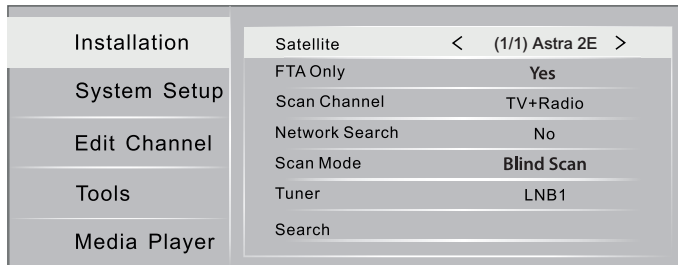
# Installation and Operation

## 1 Main Menu



Connect the satellite receiver to your TV with the HDMI cable supplied. Then select the relevant HDMI input on your TV menu. Press [menu] on the satellite receiver remote control and the main menu shown above will appear on screen. Press the ▲▼ keys on the remote to select menu items, and press the [OK] key to confirm your selections. To leave a screen press [EXIT].

## Single Satellite Search



Enter "Single Satellite Search" menu, to search for available channels on a satellite. Select and confirm the satellite information using the ▲▼ keys. FTA only should be set to Yes as this receiver will not decode scrambled/ encrypted channels. In "Scan Mode" function, choose "Blind Scan" to locate all available channels. You can use "Auto Scan" but if any of the channels you want don't appear you will then need to try searching again with Blind Scan. Some channels will be suffixed 'Fail' this indicates that no Free to Air channels have been found on this transponder.

## Multi Satellite search

Installation	Satellite	< (1/1) Astra 2E >
System Setup	FTA Only	Yes
Edit Channel	Scan Channel	TV+Radio
Tools	Network Search	No
Media Player	Scan Mode	Auto Scan
	Tuner	LNB1
	Search	Astra 1
		Hotbird

**PLEASE NOTE This search mode is only used for motorised dishes.**

Enter the "Multi Satellite Search" window. Press the "Left" and "Right" keys to select a "Satellite". Then change the search settings to match the satellites you want to search for. (The available settings are the same as for "Single Satellite Search"). Parameter information available from [www.lyngsat.com](http://www.lyngsat.com) or [flysat.com](http://flysat.com). Before a Multi Satellite Search, you need to first select the satellites you want to search for in the "Satellite List" window. Press [OK] key to select the satellites and they will be marked with a heart-shaped icon.

## TP List

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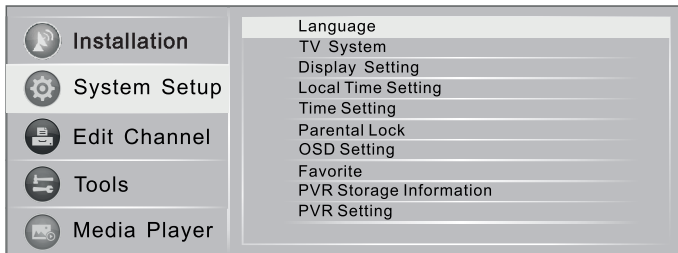
Signal Intensity  
Signal Quality

Edit  Add

Are you sure to delete?

If after searching you are still missing channels you want to view from a satellite. You can enter the TP List menu to search by transponder. Select the correct satellite using the arrow keys. You will then need to enter the frequency, symbol rate and orientation of the transponder (these can be looked up on sites like [lyngsat.com](http://lyngsat.com)). You can then search, edit, add or delete using the indicated colour key.

## 2 System Setup



In the system set up menu, press the arrow keys to select the type of information you want to change, such as Language. Display, Video output and display, time settings, parental lock, favourite list, PVR information and settings. The password for Parental Lock is "0000" in default settings. In Parental Lock you can lock and unlock the channels and change the password as well.

## 3 System

Channel list management. Arrange channels searched into groups.

### Edit Channel

Channel list management groups channels found together during searches.

### TV Channel List

Enter the "TV Channel List" to see all the channels found, use the ◀▶ keys to change satellites. Edit the channels using the favourite, lock, delete, edit and function keys. Using the colour keys indicated to select the functions and up and down arrow keys to switch between the channels to be edited, Press OK to confirm.

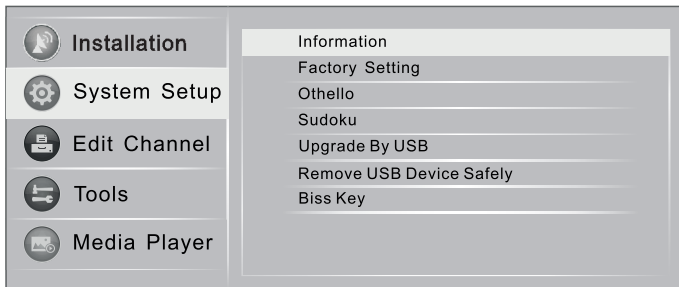
### Radio Channel List

Can be edited in exactly the same way as the "TV Channel List"

### Delete All

A warning window appears if you select that you want to delete all the channels, confirm whether you want to delete all the information.



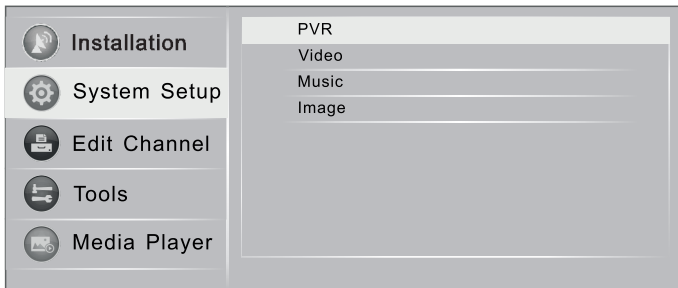


Enter the "Tools" menu to check the software version information, to revert to Factory Setting, to load software updates, biss management and playing games.

NOTE: Software updates need to be loaded on a suitable USB device which needs to be plugged into the USB port. Don't remove the USB device during the upgrade process. Change the biss key information using the color keys. (Not normally used).

# Media Player Options

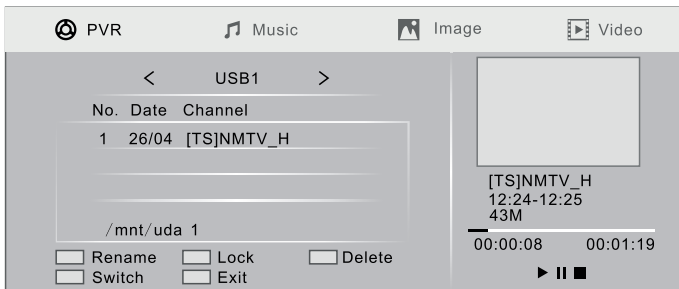
## 5 Media Player



Use the USB 2.0 port on the back of the receiver to plug in USB devices for recording and playback.

Media Player Main Menu - Check the media files stored on connected USB devices, such as photos, music, videos etc. When channels are recorded the recorded files will be saved to the connected USB devices.

PVR



Press the [REC] key to record the channel currently playing.

Press the [STOP] key to finish recording.

The information on recordings is saved to the "PVR" menu.

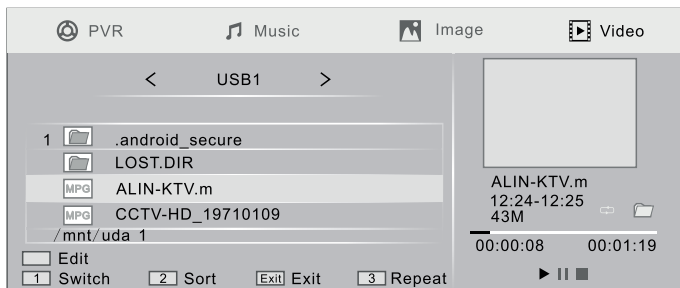
Press the [UP] and [DOWN] keys to select the recorded channel information.

In the top right hand corner is the video preview window.

Press the [PLAY] key to play a selected recording.

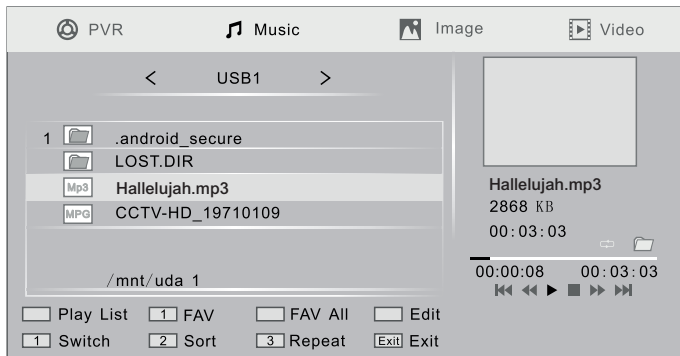
Use the colour keys to select rename, lock and delete functions and to edit information on recordings.

## Non PVR Video Playback

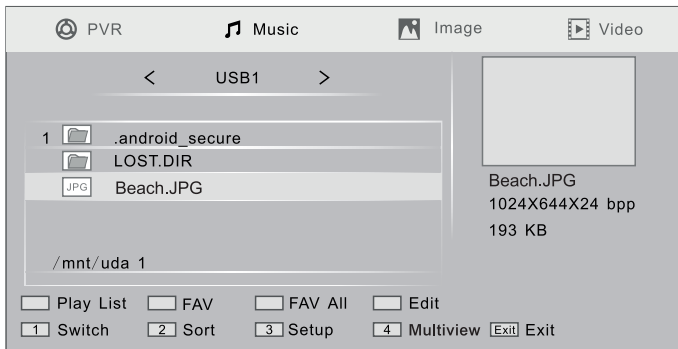


To playback non PVR videos stored on devices connected via the USB port, from the main menu use the ▲▼ keys to select “Media player” then select “Video” and the screen shown above will open. Select a video and press the [PLAY] key to play.

### Music

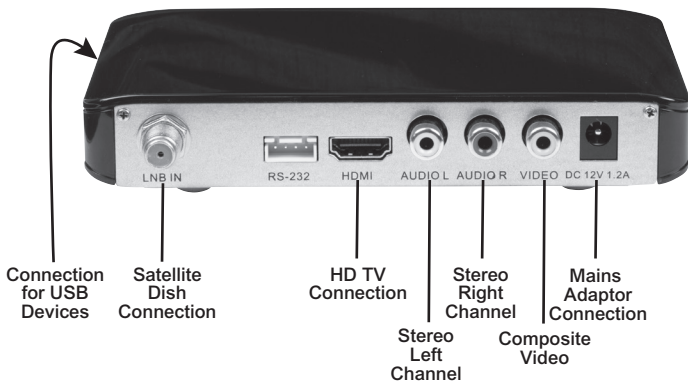


To play music stored on devices connected via the USB port, from the main menu use the ▲▼ keys to select “Media player” then select “Music” and the screen shown above will open. Select a music track and press the [OK] key to play.



To view photo images stored on devices connected via the USB port, from the main menu use the arrow keys to select "Media player" then select "Image" and the screen shown above will open. Select an image and press the [OK] key to view. A preview image appears in the window in the top right corner of the screen.

## Connections





# Troubleshooting

Question Classification	Question description	Approach
Power Supply	The units power cable is connected but doesn't work	<ul style="list-style-type: none"><li>• Check power and mains socket switch is switched on</li></ul>
Remote	Remote doesn't work or works poorly	<ul style="list-style-type: none"><li>• Check polarity of batteries agrees with the markings in the battery compartment</li><li>• Fit fresh batteries</li></ul>
Signal	Satellite cable connected but no signal	<ul style="list-style-type: none"><li>• Check the satellite cable connection</li><li>• Check dish is correctly aligned and that the correct satellite is selected.</li></ul>
	Poor picture	<ul style="list-style-type: none"><li>• Check if signal level and quality is good</li><li>• Check the satellite cable connection and TV connection</li></ul>
Output	Picture colour is abnormal.	<ul style="list-style-type: none"><li>• Check satellite receiver and TV are set to the same picture format (PAL in the UK)</li><li>• Check LNB and satellite receiver are set the same</li></ul>
	No Sound or poor sound	<ul style="list-style-type: none"><li>• Check all audio cables work and are properly connected.</li><li>• Check that Audio output is not muted or turned down on the receiver or TV. Make sure the Audio is set to stereo.</li><li>• Check sound setting, is set to digital sound</li></ul>
	No Video output	<ul style="list-style-type: none"><li>• Check if the correct signal input source to the TV is selected.</li><li>• Check if all video cables are connected and working correctly</li><li>• Check if the satellite receive is in standby mode</li></ul>
USB Device	Files not visible, format is not recognised	<ul style="list-style-type: none"><li>• Check USB device format is compatible</li><li>• Check file format is compatible</li></ul>

## Declaration of Conformity

Hereby, Labgear declares that the radio equipment: Satellite Receiver for satellite broadcast reception in domestic premises is in compliance with the Radio Equipment Directive 2014/53/EU. The full text of the EU Declaration of Conformity is available at the following internet address:  
[www.labgear.co.uk/DoC](http://www.labgear.co.uk/DoC)

## Technical Support

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# Specifications

## Satellite Receiver

<b>Product Name</b>	<b>VSAT01 HD Free to Air Satellite Receiver</b>				
<b>Power Supply</b>	AC 100~240V 50/60Hz				
<b>Consumed power</b>	Power≤ 9W (Power On), Power≤1W (Standby)				
<b>Environmental conditions</b>	<b>Operating Temperature 0°C - 40°C</b> <b>Permissible relative humidity: 10 - 80%</b>				
<b>Connections</b>	LNB F Connector	VIDEO HDMI/Phono	AUDIO Phono	USB USB A	RS232 RS232

## Remote Control

<b>Batteries</b>	<b>2x AAA 1.5V Alkaline Batteries</b>
<b>Operating distance</b>	<b>Up to 8m (line of sight)</b>
<b>Operating range</b>	<b>30° Left to right 20° Up and Down</b>
<b>Weight</b>	<b>110g including battery</b>

<b>KEY FUNCTION</b>	
 : Standby ON/OFF	<b>MUTE:</b> To switch sound on/off
 : Select audio	<b>TTX:</b> Teletext on/off
<b>EPG:</b> Show EPG (Electronic Program Guide)	<b>ASPECT:</b> To switch the video aspect ratio
<b>0~9:</b> To select a channel by direct number input.	<b>Stop:</b> To stop recording the program
<b>TV/R:</b> To switch between TV and Radio channels	<b>FILE LIST:</b> To display USB file list
<b>EXIT:</b> To return to previous screen or menu	<b>INFO:</b> To display current program information
<b>P+/P-:</b> To change page forwards backwards	<b>DVR LIST:</b> To display DVR list
<b>FAV:</b> To access your favourite channels list	<b>NEXT:</b> To skip to the next item
<b>FF:</b> To scan forward when playing a recorded program or time shift	<b>◀▶:</b> To decrease volume, or move cursor left/right
<b>SUBT:</b> To switch between available subtitles	<b>FIND:</b> To search channel and program
<b>FORMAT:</b> To switch the video resolution 576p/720p/1080i	<b>REC:</b> To start recording program
<b>PAUSE:</b> To freeze the image being viewed	<b>PLAY:</b> To play the recorded program
<b>MENU:</b> To enter main menu	
<b>▲▼:</b> To move cursor Up/Down in menu setting change channel in normal TV view mode	<b>REW:</b> To scan backward when playing a recorded program or time shift
<b>BACK:</b> To switch between the last viewed channel and the current channel being viewed.	<b>Red / Green /Yellow/Blue colored button:</b> Edit Program



Waste electrical and electronic products must not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority for recycling advice

