



freevision

HD DIGITAL SATELLITE RECEIVER

DSD320-N User Manual



DVB S2
SATELLITE

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

USB
PVR



Helpline: 0861 40 41 42 • WWW.SPACETV.CO.ZA

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IMPORTANT SAFETY INSTRUCTIONS:

Read and follow all instructions, heed all warnings to avoid damaging your STB device and other device and prevent the risk of serious injury to yourself and others.

- Place the STB on a durable standstill table to prevent the STB from falling. Avoid stacking the STB on top or below of any electronic devices.
- Follow the type of power source indicated on the label marking.
- Do not place or operate the STB near water or wet surfaces.
- Always unplug the AC power of the STB before cleaning it. Use dry clean cloth only.
- Install according to instructions. Use only recommended accessories.
- Do not place near any heat sources such as radiators, heat registers, stove, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized plug. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched.
- Check all connections if properly inserted/fitted before turning the power on.
- Unplug the STB from the outlet and the antenna connection during lightning storms or when unused for long periods of time.
- Refer all servicing to authorized service personnel. Users are not allowed to open or remove the STB cover because this will void the warranty and to prevent from electric shock.
- Hold and grip the power plug to disconnect it from the power outlet not the cord.
- The ventilation holes should not be covered with items such as newspapers, table-cloth, curtains, etc. to prevent the STB from overheating.
- No naked flame sources, such as lighted candles, lighter and matches should be placed on the STB.
- Attention should be drawn to the environmental aspects of battery disposal.
- Use the STB with a moderate temperature surroundings.



WARNING: To avoid the risk of serious injury, electric shock and damage to the STB, the device should not be placed near to any water. Avoid any water/liquid drip and sprinkler.

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© Space Television - 78 Republic Road, Ferndale, Randburg, 2125
PO Box 9317, Johannesburg 2000
T 0861 40 41 42
email sales@spacetv.co.za
www.spacetv.co.za

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WARRANTY:

- The Space DSD320-N, Satellite Receiver is supplied with a 12 month manufacturers guarantee from date of purchase, to be free from any defects and to perform as specified (Please retain invoice as proof of purchase).
- Our Space Television (PTY) LTD standard warranty does not cover lightning damage, power surge, water ingress and tampering.
- The Warranty is a "Carry In" Warranty to any Space Television (PTY) LTD Branch Offices or Trade Kiosks in South Africa.
- Helpline: 0861 40 41 42
- Website: www.spacetv.co.za

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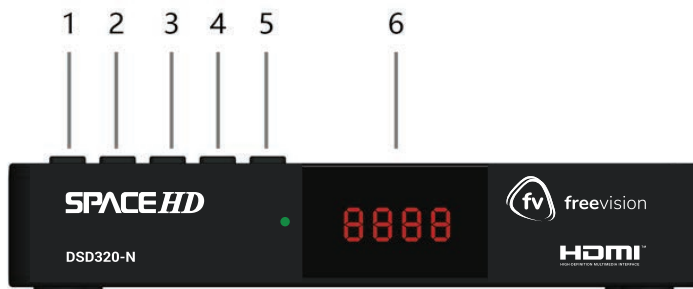


SENTECH:
Call Centre: 0860 736 832
WhatsApp: 060 062 5458
Email: support@sentech.co.za
Website: www.sentech.co.za

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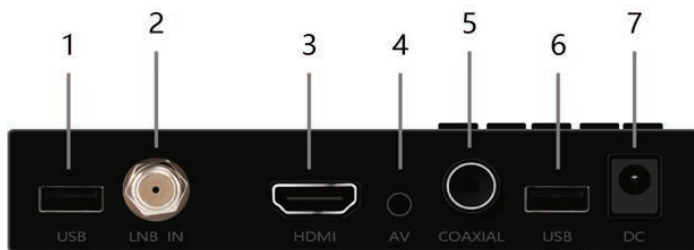
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FRONT VIEW:



1. **On/Standby:** Switch STB to On or Standby.
2. **Menu:** Switch to main Menu
3. **OK:** Select or confirm
4. **CH-:** Navigate channel down.
5. **CH+:** Navigate channel up.
6. **LED Display:** Display Running Station.

REAR VIEW:



1. **USB:** 2 USB 2.0 Interface for Upgrade and PVR.
2. **LNB IN:** Connect via coaxial cable to a dish to receive digital broadcasts.
3. **HDMI:** Connect HDMI cable to HDMI input of the TV.
4. **AV:** Connect to the Audio Video input of the TV.
5. **COAXIAL:** Audio signal output.
6. **USB:** 2 USB 2.0 Interface for Upgrade and PVR.
7. **DC Power:** Connect the 12V power adapter.

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REMOTE CONTROL UNIT:



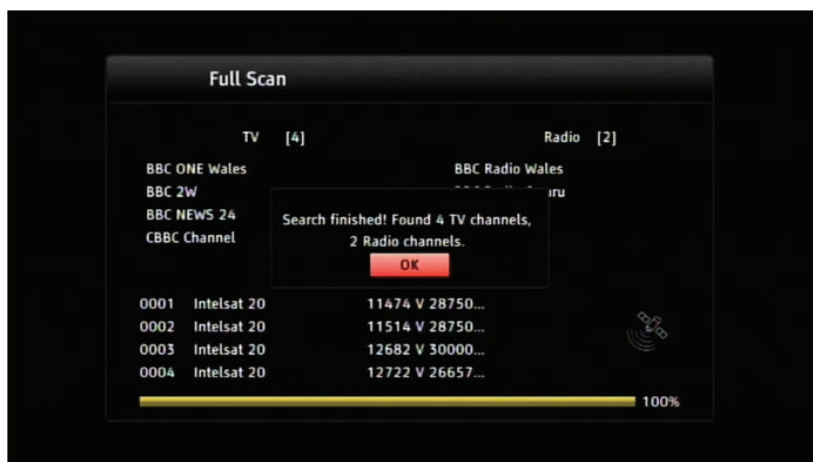
1. **Email:** Jump to email menu.
2. **Power:** Switches the product to on or standby.
3. **FAV:** Turns on Favorite Menu.
4. **SAT:** Selects the Satellite/ Jumps to special time during media play.
5. **TEXT:** Display Teletext information.
6. **SUB:** Display subtitle information.
7. **Rewind:** Play fast backward with x2,x4,x6,x8,x16 and x32 times of Speed, taking effect in PVR playback.
8. **Fast forward:** Play fast forward with x2,x4,x6,x8,x16 and X32 times of Speed, taking effect in PVR playback.
9. **PREV:** switch to previous video.
10. **NEXT:** switch to next video.
11. **REC:** record the program.
12. **PLAY/PAUSE:** Starts or pauses media play.
13. **STOP:** Stops media play/ Stop record the program.
14. **USB:** Jump to usb menu.
15. **EPG:** (Electronic Program Guide) Displays channel program list.
16. **MENU:** Turns on main Menu.
17. **LEFT/RIGHT:** Direction buttons or Adjust volume.
18. **UP/DOWN:** Direction buttons or Switch channels.
19. **OK:** Select to confirm.
20. **AUDIO:** Sets audio to stereo, mono, left or right.
21. **EXIT:** Exit the current menu or return to previous menu.
22. **VOL+/VOL-:** Adjusts volume.
23. **MUTE:** Mute or Restores Audio Output.
24. **INFO:** Displays additional channel information.
25. **CH+/CH-:** Channel up/down.
26. **0-9(Number Key):** Selects a channel or setting.
24. **TV/Radio:** Switches channels between TV channels and Radio channels.
25. **VIDEO MODE:** Switch video resolution.

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INSTALLATION SETUP GUIDE:

- Please wait for the STB to initialize and follow the on-screen instructions. After the welcome logo, Channel/Satellite scan will appear.
- Please wait until the Satellite scan is finished. This may take a few minutes. After the scan has successfully completed, continue by pressing the <OK> button.
- STB will display the TV channels list. Enjoy and experience your favorite TV programs.



BASIC CHANNEL FUNCTION:

ADDING FAVORITE CHANNELS

TV Channels List:

Displays list of channels, users can manage favorite channels, lock and unlock channels.

1. Press <Menu> from the remote control.
2. Use <◀ ▶> keys and choose Channel List.
3. Look for TV Channels List and press the <OK> key.
4. While in the TV Channels List screen, choose the desired channel and press the <FAV> key.
5. After adding all your favorite channels, press the <EXIT> key and a pop-up "SAVE" message will appear. Use <◀ ▶> buttons and choose <Yes> then press <OK>.

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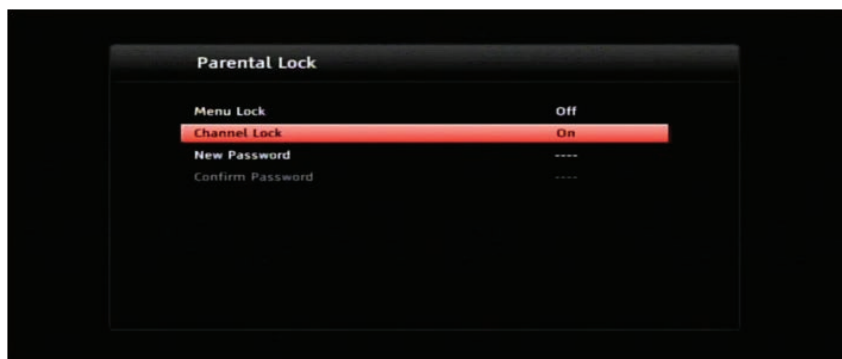
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LOCKING CHANNELS:

Make sure to set Channel Lock to "ON".

From the main Menu screen, use <◀ ▶> keys to select "System". And then select "Parental Lock" then press <OK>. Under Parental Control screen and then select "Channel Lock", use <◀ ▶> keys to switch ON or OFF channel lock function and then press <EXIT> to go back to the main Menu.

1. While in the main Menu screen, use <◀ ▶> keys to choose Channel List.
2. Look for TV Channels List and press <OK>.
3. While in the TV Channels List screen, use <▲ ▼> keys to select channel to be locked. Press the <RED> key and input your 4-digit PIN code then press the <EXIT> key and a pop-up "SAVE" message will appear. Use the <◀ ▶> buttons and choose "Yes" then press <OK>.



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LIST OF CHANNELS:

While watching, press the <OK/List> key and then the "ALL" menu screen will appear displaying all TV or Radio channels available. Use the <▲▼> keys to find and select a new channel, then press <OK> to confirm.



EPG (ELECTRONIC PROGRAM GUIDE):

Displays the lists of current and upcoming TV programs on all available channels.

- While watching, open the EPG menu screen by pressing the <EPG> key. Press <▲▼> keys to find and select a channel, press <OK> then press <Exit>.

CHANNEL INFORMATION BAR:

Displays Channel Information currently being watched. It is displayed when pressing the <INFO> key while watching or when changing channels.

- To adjust the channel bar display timeout and transparency, press <MENU> and then select "OSD Setting". Use <▲▼> keys and then select "OSD Transparency". Adjust your desired timeout and transparency of the channel bar.



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PVR FUNCTION:

- When a USB drive is connected to this unit ,while watching TV channels press PVR to start recording video from the channel to USB . Press STOP button to stop recording.
- Personal video recorder (PVR) is a feature enabling you to record live TV.

There are two ways to use it:

- Insert a USB storage device in the USB port and press the REC button on the RCU .
- Schedule a specific program you want to record using the blue button or from within the EPG

TIME SHIFT FUNCTION:

- The Time Shift function allows you to reserve part of the USB-disk space and ensures a continuous background recording of the selected channel. Time Shift allows you to pause watching or rewind recording back and resume viewing from the missed point.
- After you activate the channel recording, press PAUSE button on the RCU. Time Shift function is activated, at the bottom of the screen will be a status bar with countdown. Now you can rewind the recorded video by press REV /FWD buttons and set to pause by pressing PAUSE button. To disable Time Shift, press EXIT button on the RCU and then press OK to confirm the operation.

TROUBLESHOOTING:

Problem	Potential Reasons	What to do
No picture	Power isn't connected	Connect the power
	The power switch is not on	Switch on the power
Screen shows no signal	DVB-S cable not connected	Plug in the DVB-S cable
	Incorrect setting	Set up correct parameter
No sound from speaker	No or incorrect connection with audio cable	Connect the audio cable correctly
	Mute is active	Switch on the correct volume control
	Incorrect sound track	Try another sound track
Only sound, no image on the screen	No or incorrect connection with AV cable	Make sure AV cable is connected properly
	The program is in radio program	Press <TV/RADIO> key to shift into TV mode
Remote control unit is not working	Dead battery	Change new battery
	Remote control unit is not in the right opposite of the front panel or too far from it	Point the remote control unit towards the front panel and near from the panel
The image stops suddenly, poor picture quality	The signal is too weak	Check signal strength. Check LNB cable connection.

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TECHNICAL SPECIFICATIONS:

Item	Specification	
Tuner	Frequency range	950MHz to 2150MHz
	Input impedance	750hm unbalanced
	Signal input level	-65~-25dBm
	Symbol rate	2-45Mbps
	LNB power	13/18V,Max 350mA
Demodulation	Demodulator	QPSK/8PSK
	FEC	1/2,2/3,3/4,5/6,7/8,8/9,9/10
Connections	LNB IN	F connector
	USB	USB 2.0
Power	Input	100-240V~50/60 Hz
	Consumption	Max 12W
Display	Decoder module	PAL,NTSC
	Resolution	480i,480p,576i,576p,720p,1080i,1080p
Decoding	Aspect rate	4:3(Letterbox, Pan Scan),16:9
	Video	MPEG2 Transport MP@ML.HL
		MPEG4 AVC/H.264 HP@L4
	Audio	MPEG2 Audio Layer I&II
Others	Compliance	ETS/EN 300421 DVB-S compliant
	Sound mode	Right, Left, Stereo



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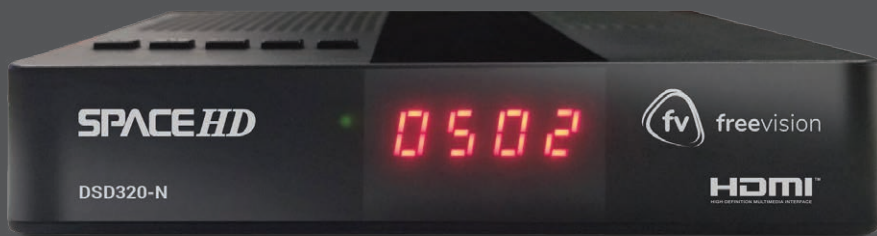
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DIGITAL SATELLITE RECEIVER



RANDBURG (HEAD OFFICE)

78 Republic Road Ferndale,
Randburg Johannesburg, 2125
Phone: +27 (11) 781 9900/1/2
E-mail: sales@spacetv.co.za

DURBAN

681 Umgeni Road, Durban,
Kwa-Zulu Natal, 4001
Phone: +27 (31) 303 8701/2/3/4
E-mail: salesdbn@spacetv.co.za

BRACKENFELL

21 Viben Street, Cnr Beatrix Street
Brackenfell, Cape Town, 7560
Phone: +27 (21) 981 4527/8
E-mail: salesctb@spacetv.co.za

JOHANNESBURG

2 Laub Street, Cnr Eloff Street Ext
New Centre, Johannesburg
Phone: +27 (11) 493 5783/4/5
E-mail: salesjhb@spacetv.co.za

BLOEMFONTEIN

Unit No. 7, DIY Square, 2-8 Hornby
Street, Oranjesig, Bloemfontein, 9301
Phone: +27 (51) 476 0100
E-mail: salesfs@spacetv.co.za

EAST LONDON

Shop 2, BMW Building, Cnr Chamberlain
& Derby, Berea, East London, 5247
Phone: +27 (43) 727 1262
E-mail: salesel@spacetv.co.za

CAPE TOWN

180 Sir Lowry Street, Woodstock
Cape Town, 8001
Phone: +27 (21) 462 5103/4/5
E-mail: salesct@spacetv.co.za

PRETORIA

Kloofsig Center Cnr Botha & Theodore
Street, Kloofsig, Pretoria
Phone: +27 (12) 644 0650/1
E-mail: salespta@spacetv.co.za

PORT ELIZABETH

32-34 Crawford Street
North End, Port Elizabeth
Phone: +27 (41) 484 1543 /6/7/8
E-mail: salespe@spacetv.co.za



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