



ZAT-600B

NextGen TV Box

User Guide

Version 2.1.10



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March 2024, Version 2.1.10

NextGen TV Box Model: ASTC 3.0 600B`

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.



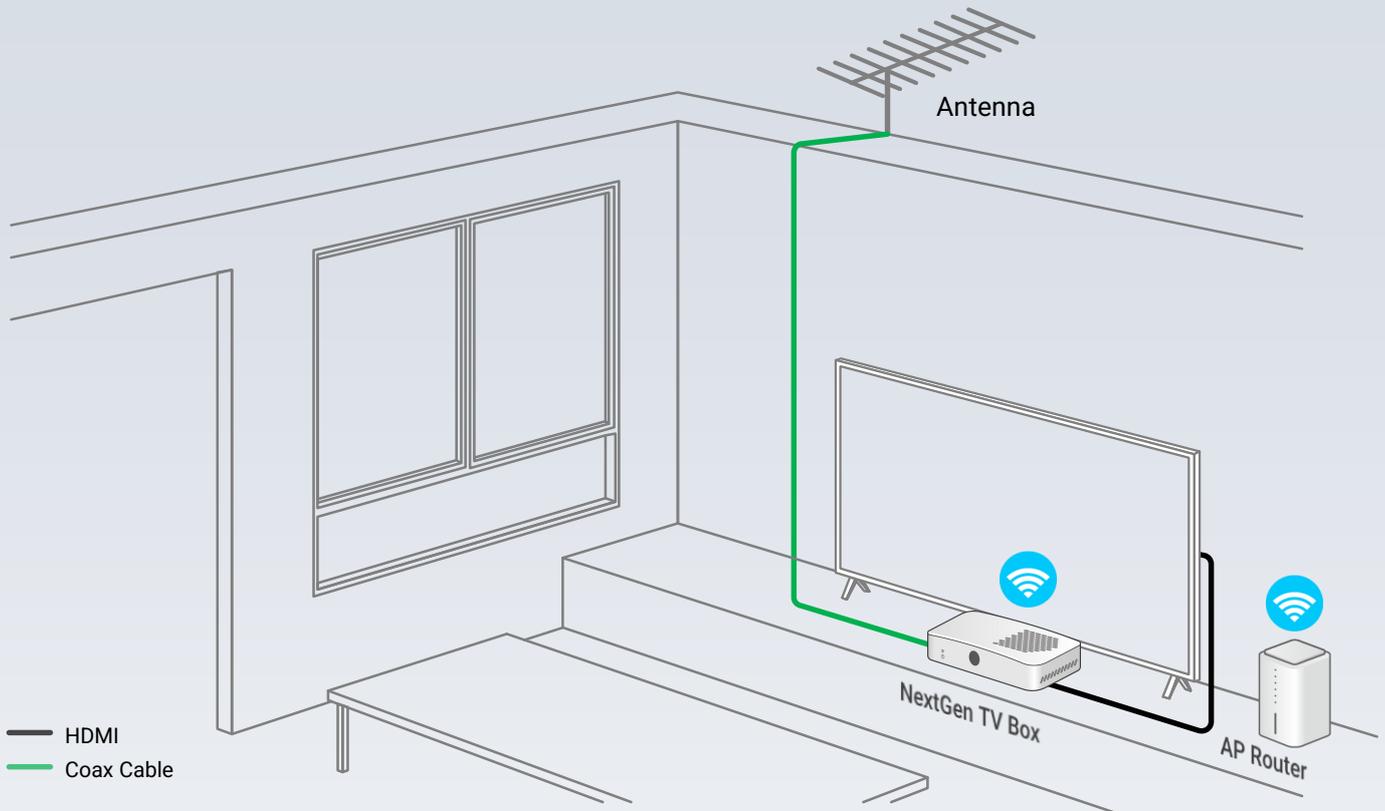
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Safety Instructions

- Read through all the instructions carefully before use.
- Operate this product only in the manner described.
- Only a Water-dampened soft-cloth is recommended to clean the surface of this product.
- Do not expose this product excess vibration.
- Keep this product in well ventilated areas.
- The following substance or condition will cause the damage to this product:
 - » any liquid such as water or moisture
 - » extreme heat, cold, humidity
 - » dusty or sandy environments
- During lightning storms, disconnect this product from electrical mains and antenna.
- Only place this device on stable surfaces and ensure that any attached cables are secure and will not cause the device to fall.
- There are no user serviceable parts in this product.
- Any un-authorized attempt to disassemble or repair this product will void product warranty and may cause dangerous electric shock.
- Retain the manuals for future reference.
- ONLY remove any power or data cords by pulling them from the plug.
- Using this product near other electronic devices may cause interference.
- Images shown in this document are for references only and there may be differences between images and actual products.
- Do not mix old and new batteries in the IR remote control.

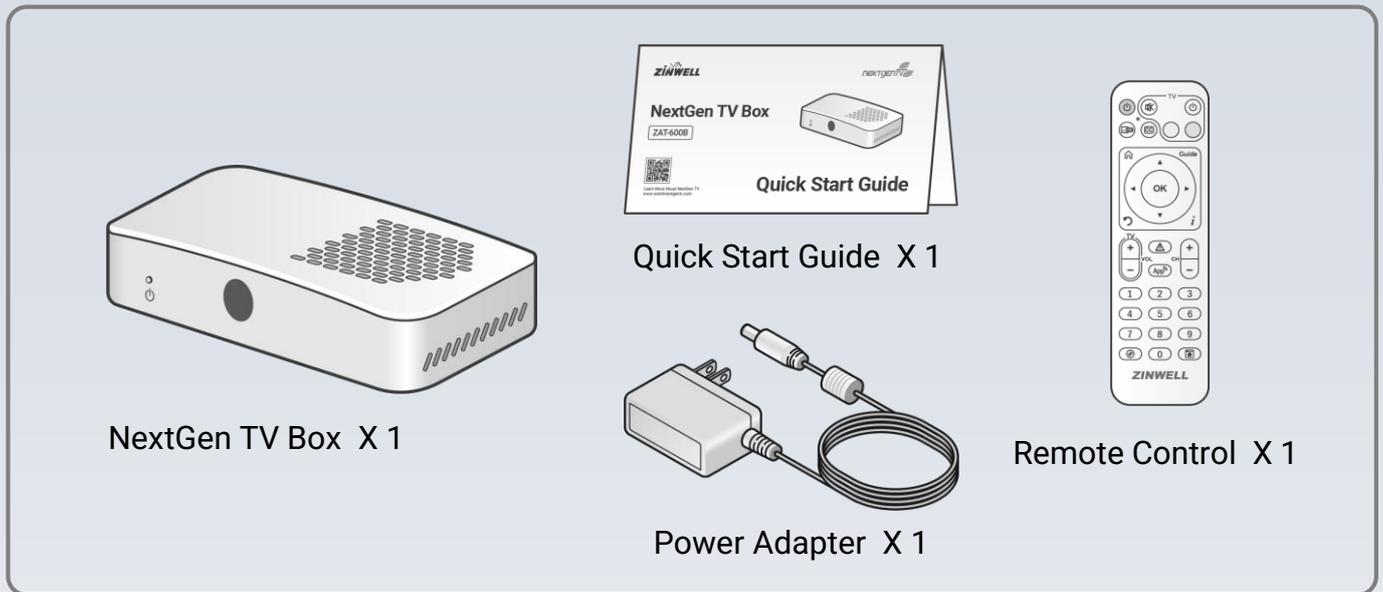
General Information



Specifications

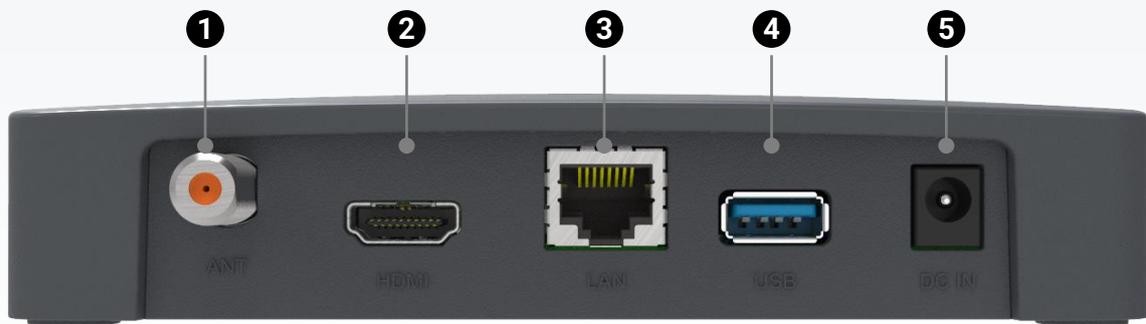
Tuner Input	ATSC1.0/3.0 Dual Mode Tuner	01 Tuner
	Frequency Range	42MHz ~ 866MHz
Video/Audio (optional)	4K UHD	
	Output	HDMI 2.1
Ethernet	10/100M	RJ-45
Wi-Fi	2.4/5Ghz 1T1R	802.11n/ac
DC Power Adaptor	DC Jack	12V / 1.5A
Peripheral	USB 3.0	USB Type A
LED indicator		ON: White, Standby: Red
Remote Control	IR + Learning Type	34 Keys (incl. 6 keys with learning function)
Dimension		160 x 75.8 x 34 (mm)
HDCP	HDCP 1.4, HDCP 2.2, HDCP 2.3	

Package Contents



Connections

1. Antenna Input
2. HDMI Output
3. Ethernet Port
4. USB Port (For future use and software updates)
5. Power Input



Remote Control Overview

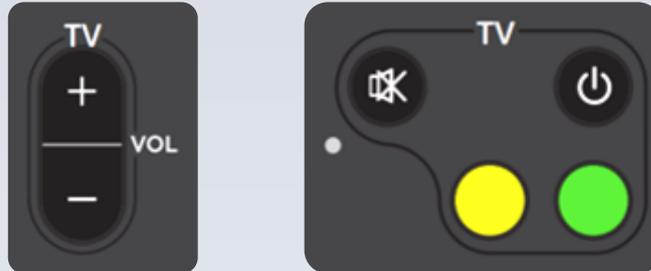


1. **Power (Red Button):** NextGen TV Box OFF/ON
2. **TV Power :** TV OFF/ON.
3. **TV Mute:** TV MUTE.
4. **Audio:** Select alternate audio
5. **Closed Caption:** Closed Caption Off/On
6. **Yellow & Green Buttons:** User defined.
(Program to TV functions using the learning mode.)
7. **Home:** Return to live TV
8. **Guide:** Display the program guide
9. **▲ ▼ ◀ ▶ :** Move the cursor or field in the direction.
10. **OK:** Select highlighted screen options.
11. **Back:** Back to the previous page/channel.
12. **Info:** Display program info banner
13. **TV VOL+, TV VOL-:** TV volume Up/Down
14. **CH+, CH-:** Channel change Up/Down
15. **ALERT:** Emergency Alert
16. **App:** Launch NextGen Broadcast Application
(If available)
17. **Numeric:** Enter channel number or password.
18. **Android Settings:** Open Android Settings
19. **Live TV Settings:** Display Menu for Scan Channels, Audio Language, Closed Caption, Parental Controls, Time Settings, UI Settings & Change PIN.

Programming the Remote Control

The remote is capable of controlling up to six basic functions of most TVs and audio devices (volume, mute, power, input). Use the instructions below for programming the six designated learning keys to operate your TV or audio device.

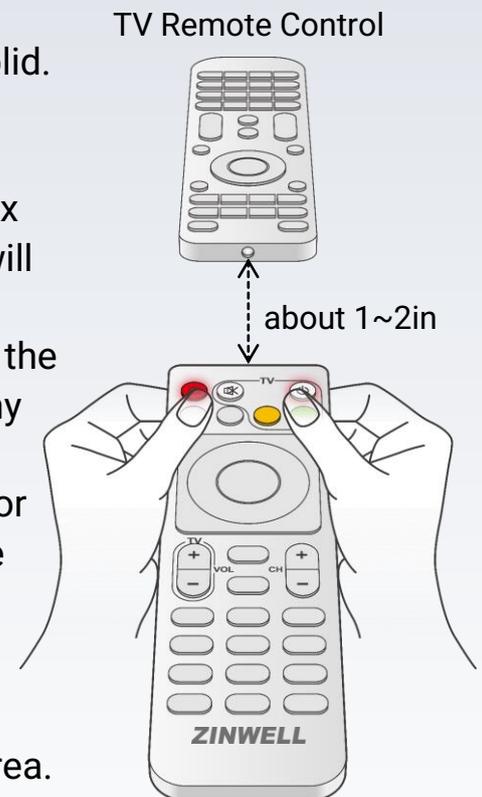
Learning Keys:



Programming:

1. Press and hold the black "TV POWER" button for 3 seconds until the red LED changes from flashing to solid. The solid red LED indicates the remote control is in learning mode.
2. Once in learning mode, press and release one of the six learning keys to be programmed. The indicator light will change from solid to slow flashing.
3. Point the front of the TV remote control at the front of the Zinwell remote (about 1~2in). Then press and hold any button on the TV remote control to be learned by the Zinwell remote. After the signal is learned, the indicator light will flash 3 times quickly then you can release the button.
4. Press OK button of the Zinwell remote to save programming.

** Repeat steps 2, 3 and 4 to learn other keys in the TV area. Press OK button of the Zinwell remote to save programming.



NOTE:

1. During the learning process, if you wait for more than 10 seconds at any time, it will automatically exit the learning mode.
2. During the learning process, press any button other than the six learning keys to exit the learning mode.
3. Keep the two remote controls steady when pointed at each other during the learning process.

Red LED Feedback:

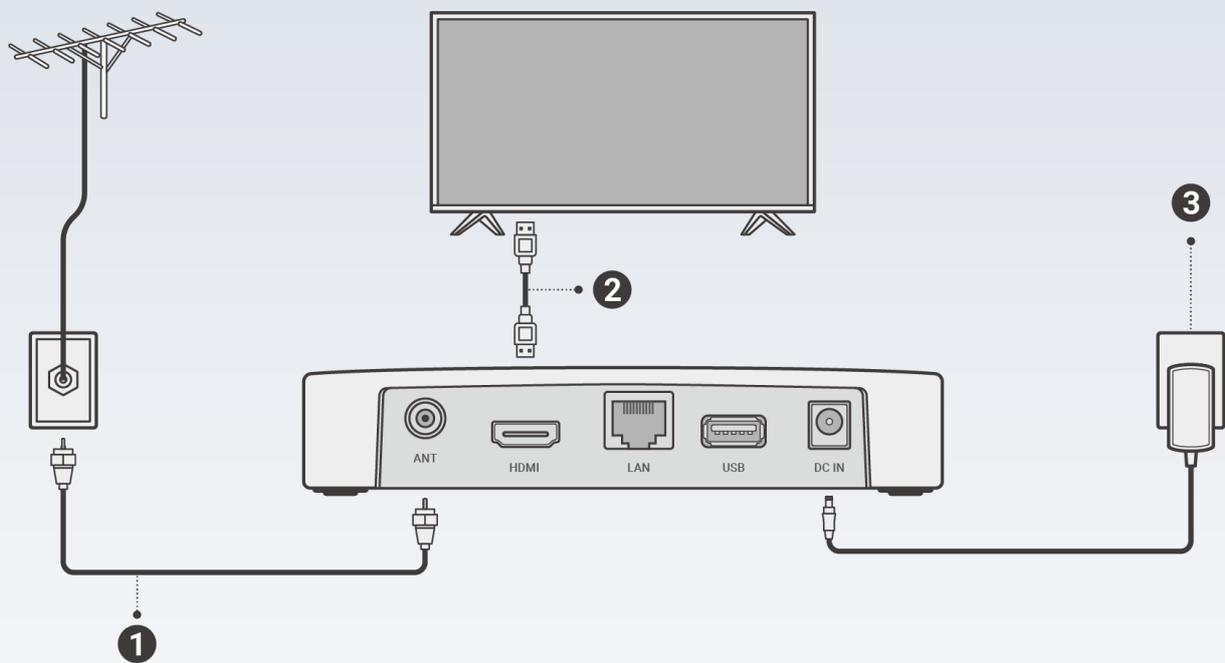
1. Solid LED: Remote is in learning mode, awaiting a key to be selected for programming.
2. Slow Flashing LED: Remote is awaiting from TV remote control.
3. LED flashes 3 times: Learning is successful.

Installation

STEP 1. Connect your Coaxial Cable to the Antenna Input.

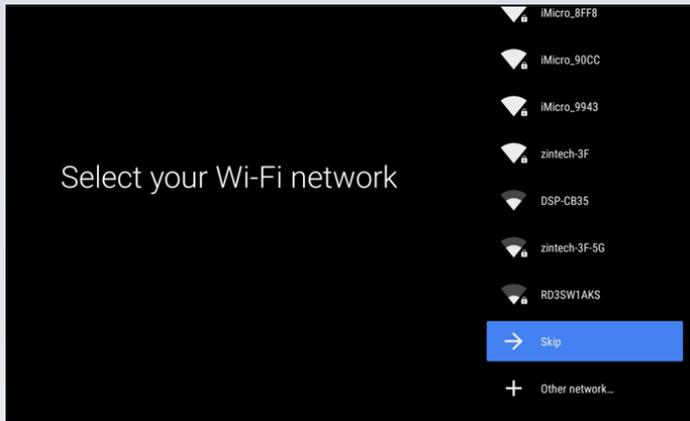
STEP 2. Connect an HDMI cable from the HDMI Output to an available HDMI input on your television.

STEP 3. Connect the power adapter to the power input port on the back of the device, then connect other end to a power outlet.



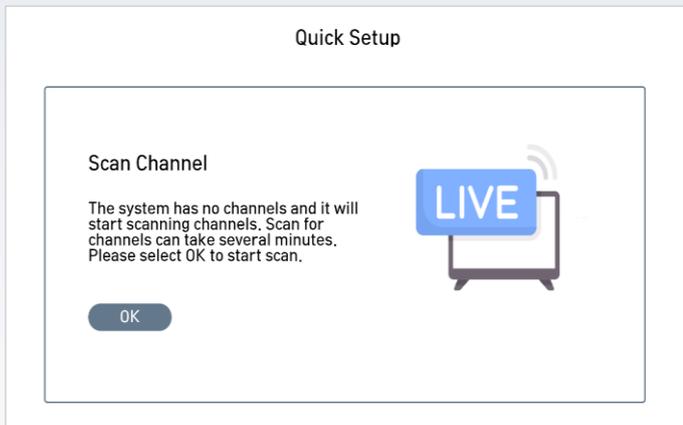
Setup

Note: The NextGen TV Box will function without an internet connection, but some advanced features may not be available. Zinwell recommends connecting to the internet in order to experience all the features of NextGen TV, as well as staying up to date on software updates. Please refer to page 10 to 12 for connecting to the internet.



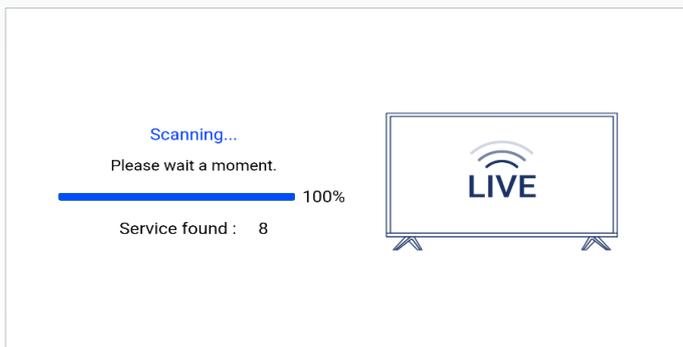
STEP 1.

Make sure the device is correctly connected and powered on. Once powered on, the first screen will allow you to select a wireless network to connect to. If want to skip this step, you can scroll down to the bottom of the list and select SKIP.



STEP 2.

Press OK to Start Channel Scan



STEP 3.

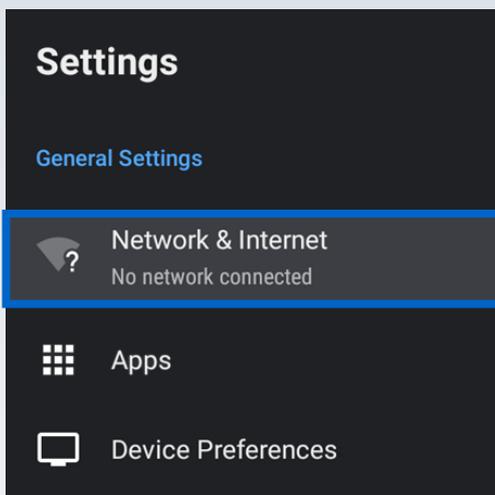
Channel scan can take several minutes, the channel scan will complete when it reaches 100%. Once complete menu will automatically close and a channel will display

Connecting to Internet via Wi-Fi

Important:

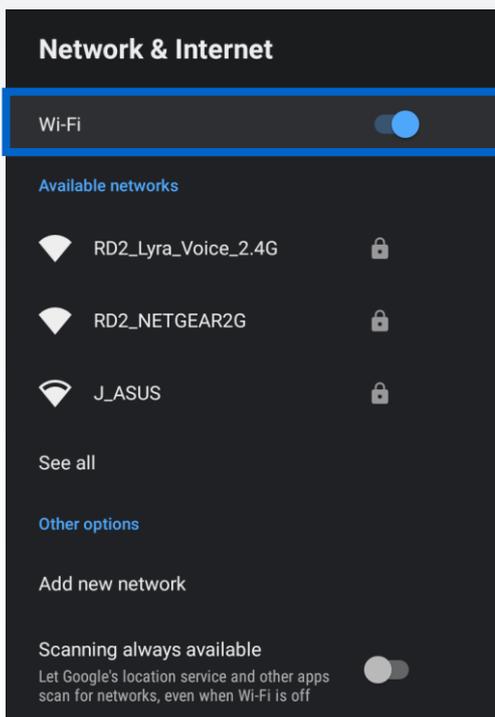
The device does not support simultaneous Wi-Fi and Ethernet connections.

Ensure the device is NOT connected to an Ethernet Cable before enabling Wi-Fi.



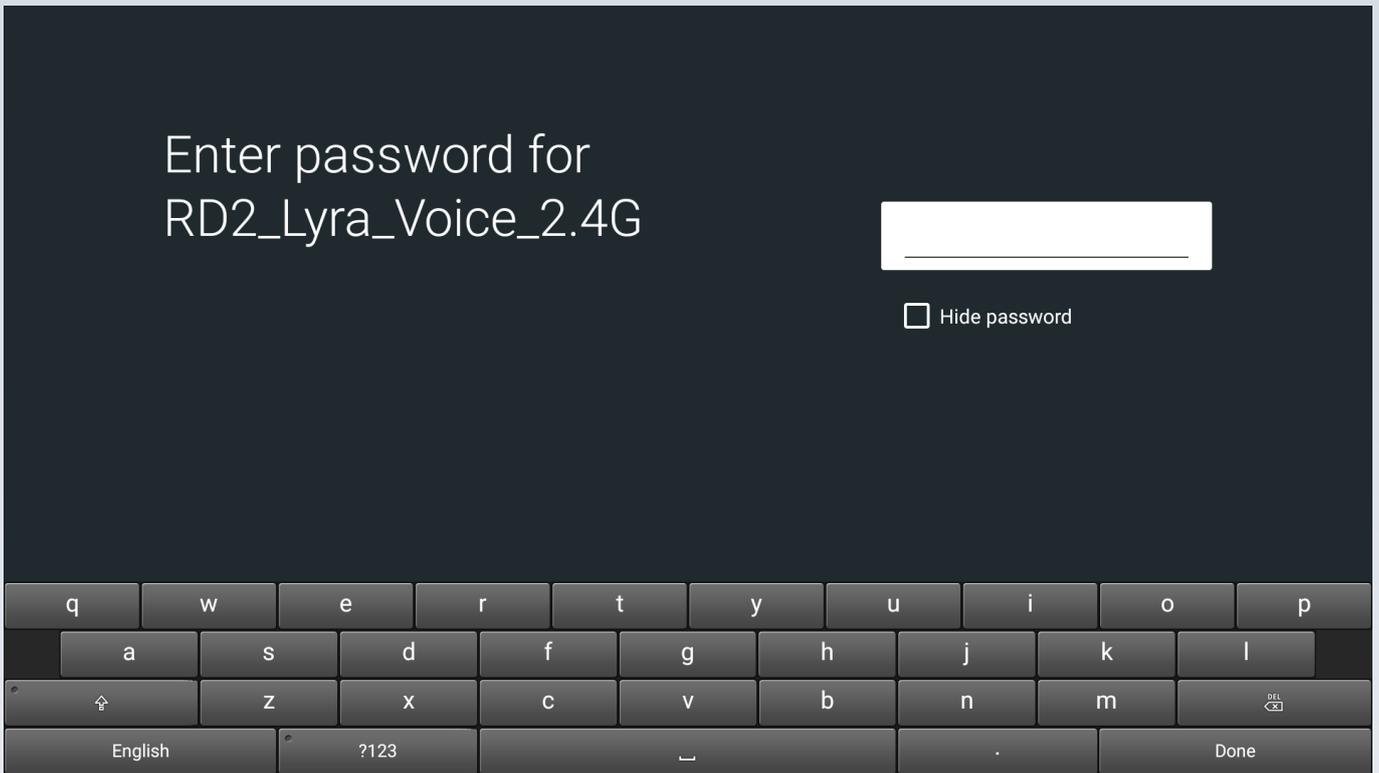
STEP 1.

- Press the "Android Settings" button on the remote control.
- (IF Any) Ensure the Ethernet Cable is DISCONNECTED to the NextGen TV Box.
- Select "Network & Internet" → Press "OK" on the remote control to confirm. (Refer to the Image on the left).



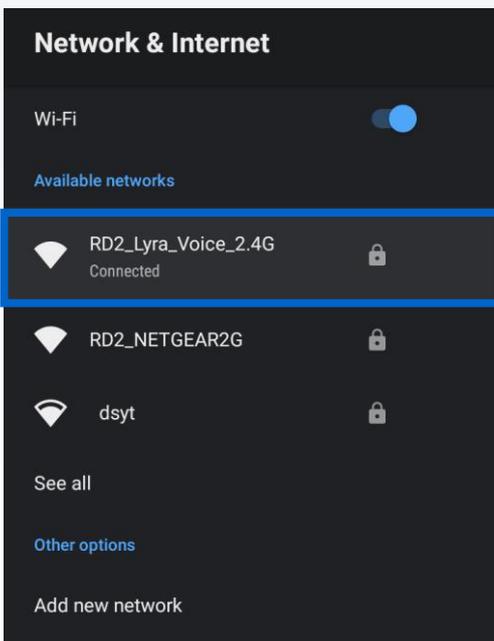
STEP 2.

- Use Cursor Keys (▲▼◀▶) on the remote control to move to Wi-Fi → Press "OK" on the remote control to ENABLE Wi-Fi.
- A list of available 2.4G networks will be shown.
- Use Cursor Keys (▲▼◀▶) on the remote control to move to your preferred Wi-Fi network → Press "OK" to confirm. (Refer to the Image on the left).



STEP 3.

Use Cursor Keys (▲▼◀▶) on the remote control to enter the "**PASSWORD**" of your Wi-Fi network (Example: RD2_Lyra_Voice_2.4G) -> Use Cursor Keys (▲▼◀▶) on the remote control and move to Done to save password. (Refer to the image above).



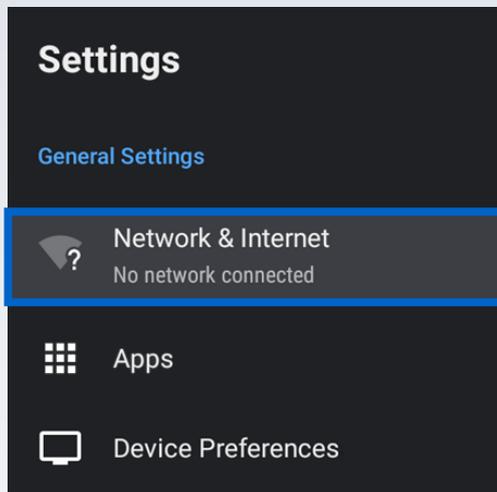
STEP 4.

When the connection is successful, the status "**Connected**" will appear under the network name. (Refer to the image on the left.)

Connecting to Internet via Ethernet connection

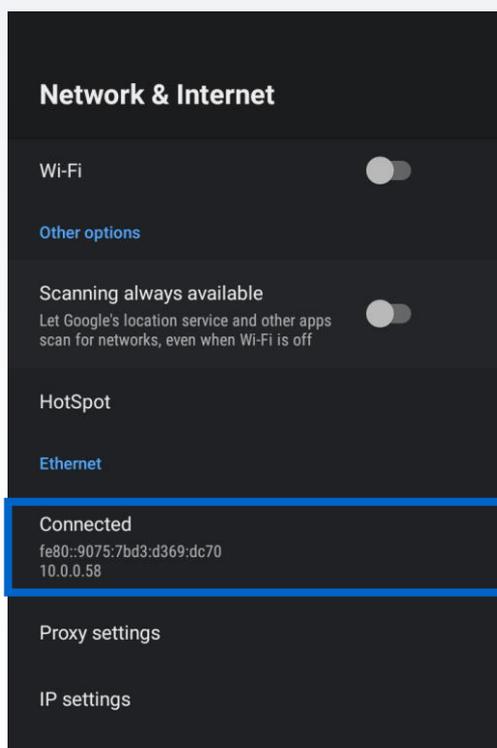
Important:

- The device does not support simultaneous Wi-Fi and Ethernet connections. Ensure the device is NOT connected to Wi-Fi before connecting an ethernet cable.



STEP 1.

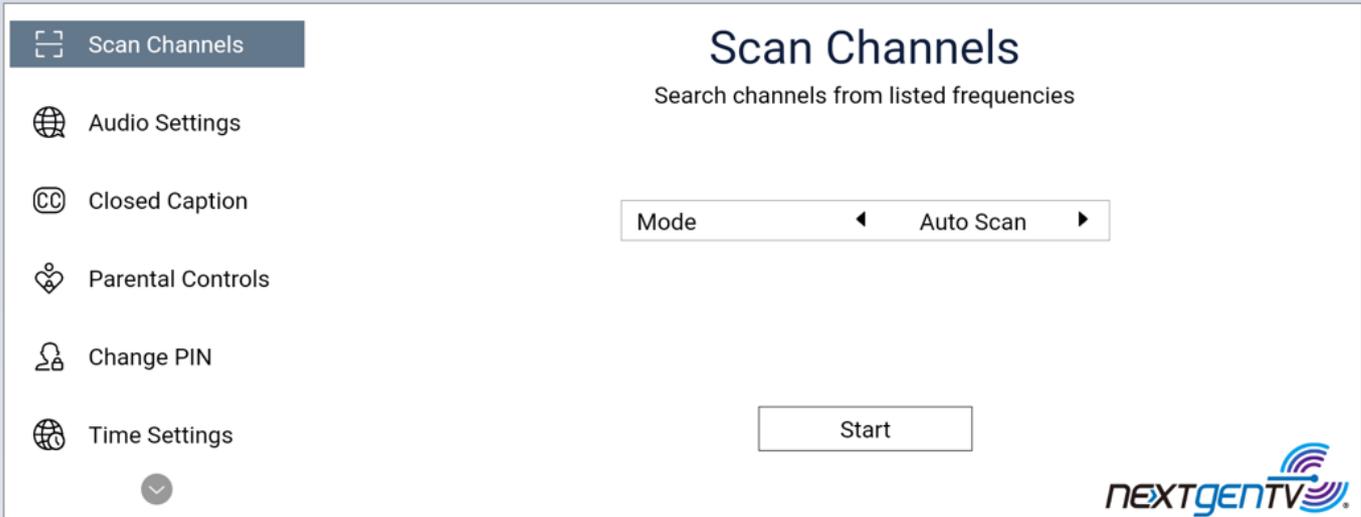
Press the "**Android Settings**" button on the remote control → Select "**Network & Internet**" → Press "**OK**" on the remote control to confirm.



STEP 2.

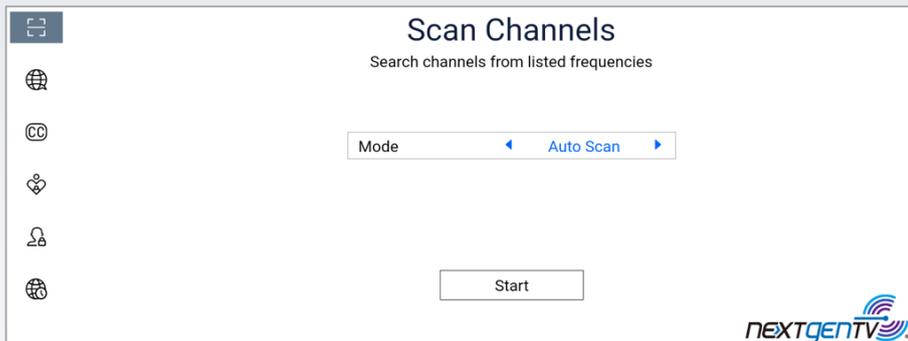
Connect an ethernet cable from your network/internet to the ethernet port on the device → The system will automatically update the network connection status. (Refer to the image on the left.)

Live TV Settings Menu



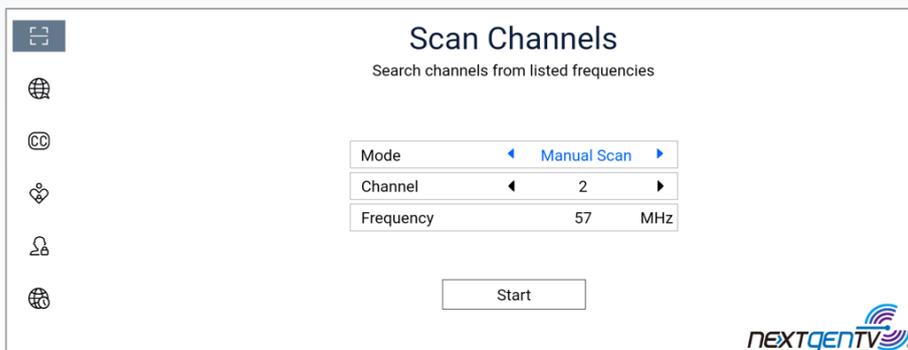
Click on the arrow for more items of the Menu

Channel Scan (Auto)



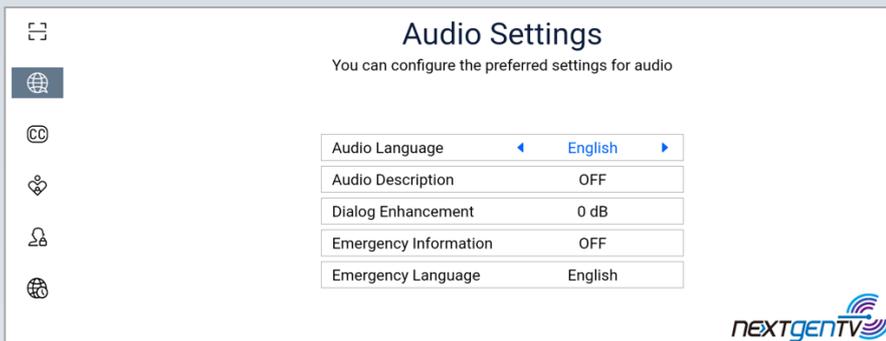
Press "Live TV Settings Button" → Scan Channels → Mode: Auto Scan → Press "**Start**" to Scan.

Channel Scan (Manual)



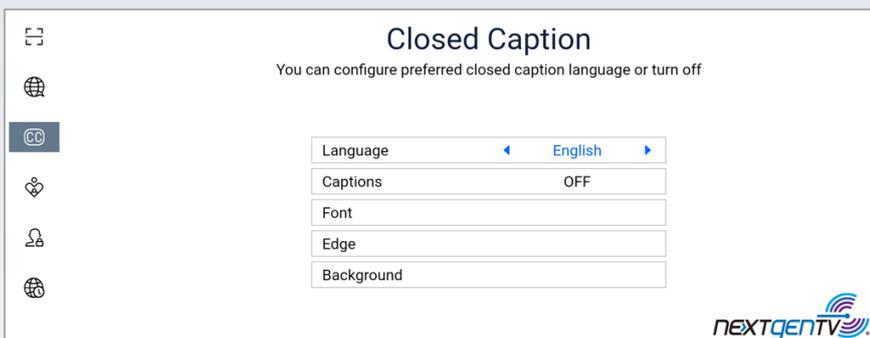
Press "Live TV Settings Button" → Scan Channels → Mode: Manual Scan → Select Channel Number → Press "**Start**" to Scan.

Audio Settings



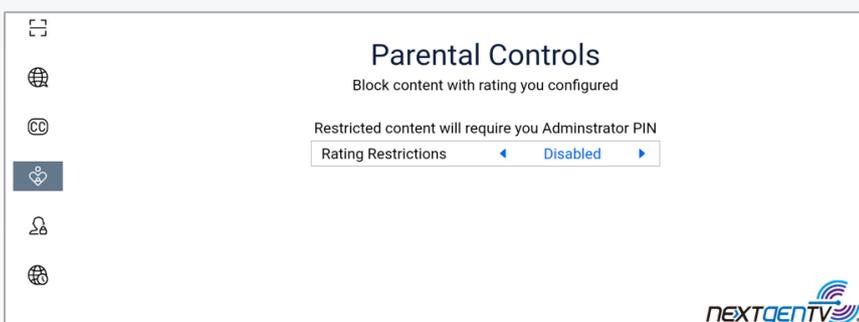
Press "Live TV Settings Button" → Audio Language → Select your preferred language → Press "**BACK**" to confirm.

Closed Caption



Press "Live TV Settings Button" → Closed Captions → Press "**OK**" to confirm.

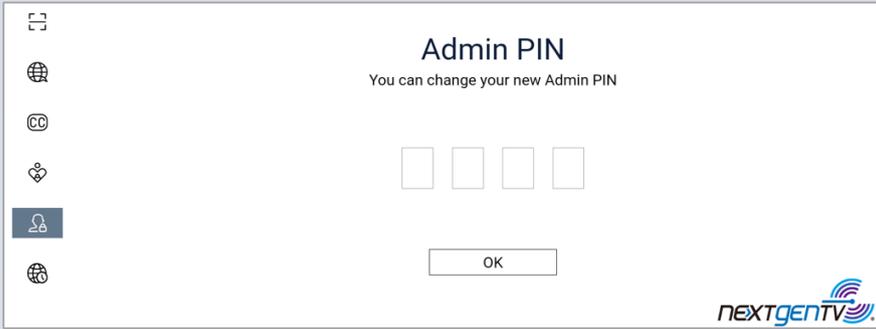
Parental Controls



Press "Live TV Settings Button" → Parental Controls → Enter Admin PIN (Default Pin: 0000) → Select the Rating Restriction → Press "**BACK**" to confirm.

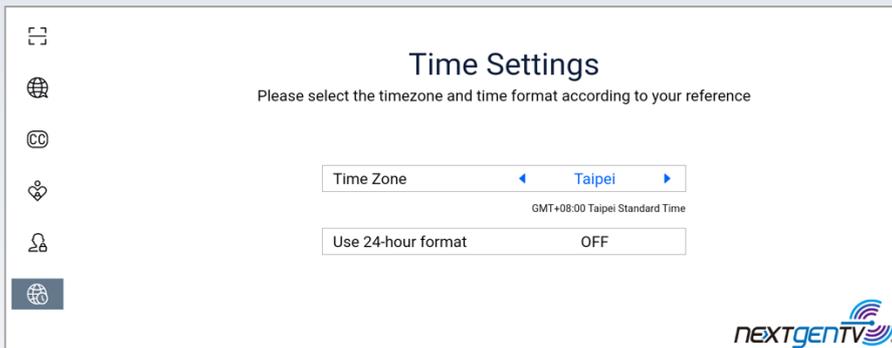
Note: Admin PIN can be changed using the Change PIN settings. See Page 15

Change PIN



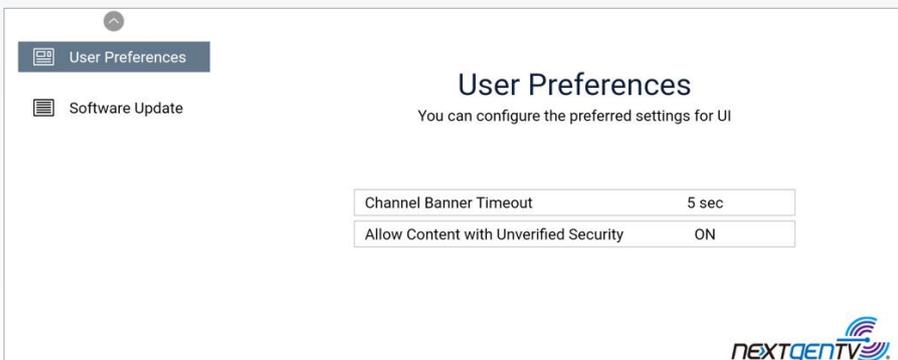
Press “Live TV Settings Button” → Change PIN → Press “OK” and enter current PIN (Default Pin: 0000) Then enter NEW Administrator PIN → Press “OK” to confirm.

Time Settings



Press “Live TV Settings Button” → Time Settings → Select time zone → Press “BACK” to confirm.

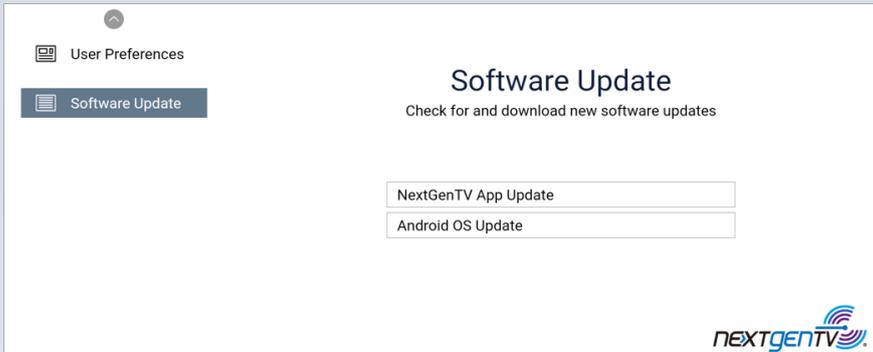
User Preferences



Press “Live TV Settings Button” → User Preferences → Select the Timeout → Press “OK” to confirm.

Software Update (Internet)

NextGenTV APP Update



STEP 1.

- Press "Live TV Settings Button"
Select Software Update

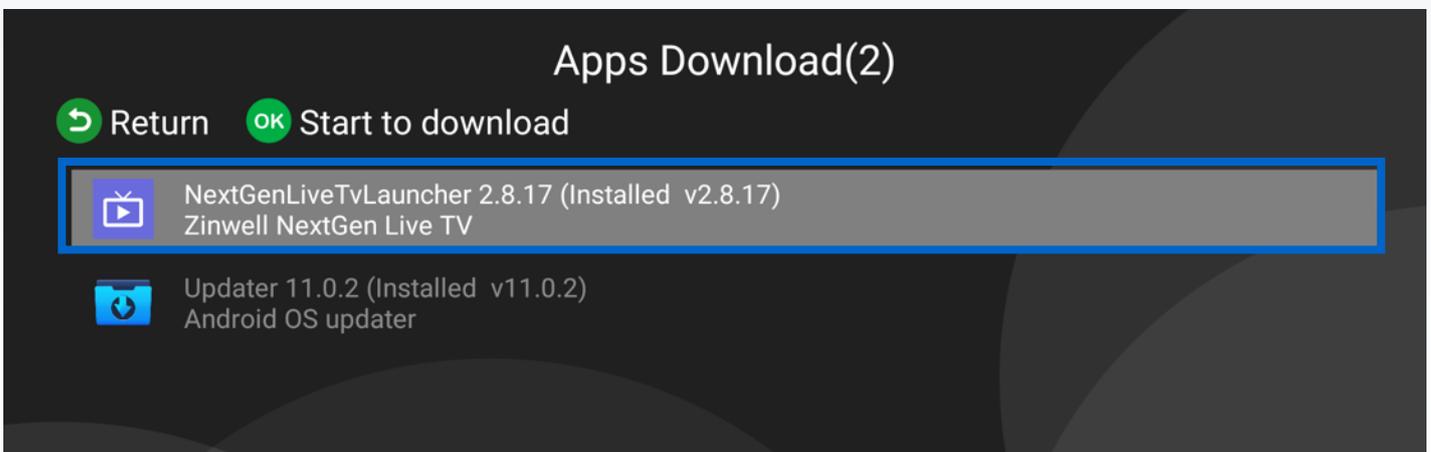


STEP 2.

- Press "NextGenTV APP Update"

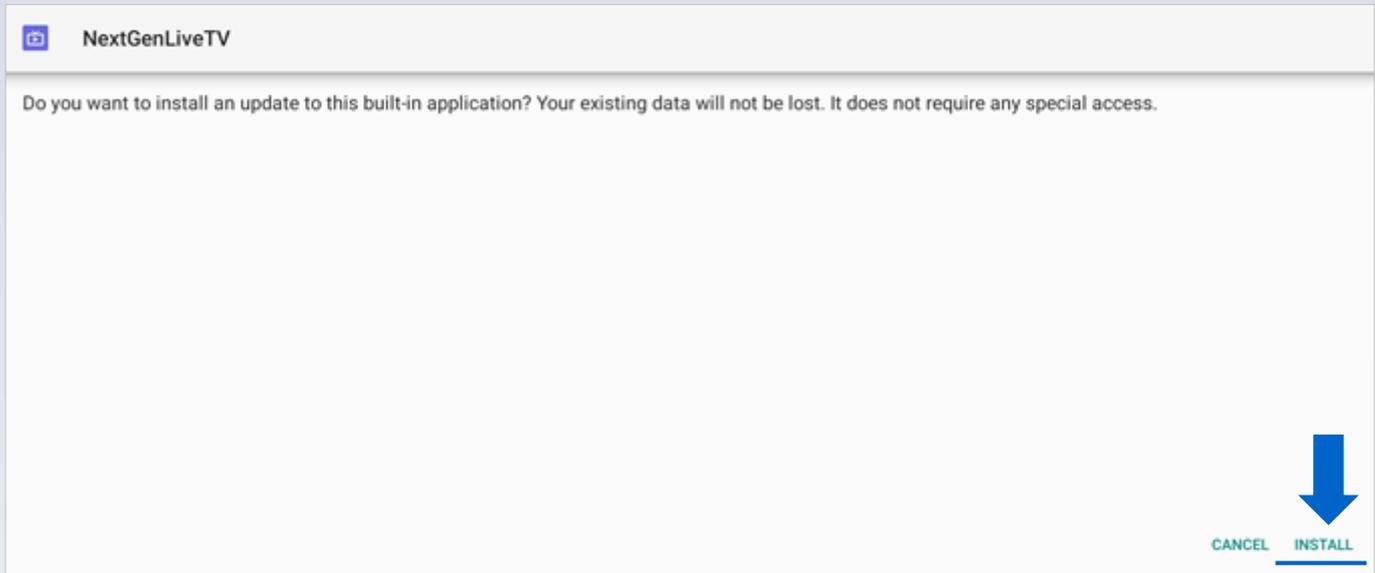
STEP 3.

Select "**NextGenLiveTvLauncher 2.8.17**" (the new version may have another number) → press "**OK**" to confirm.



STEP 4.

Find the "**INSTALL**" button at the bottom right corner of the screen → Press "**OK**" to install. (Refer to the image below.)



STEP 5.

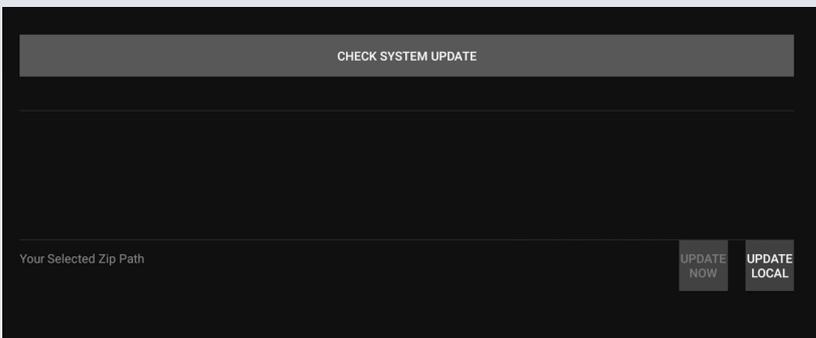
Select "**DONE**" to complete the APK installation process.

Android OS Update



STEP 1.

- Press “Live TV Settings Button”
Select Software Update
- Select “Android OS Update”

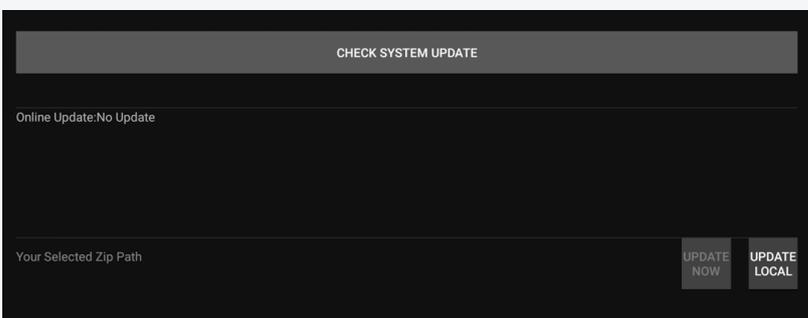


STEP 2.

- Select “Check System Update”
and press ok key of the remote control.

Note:

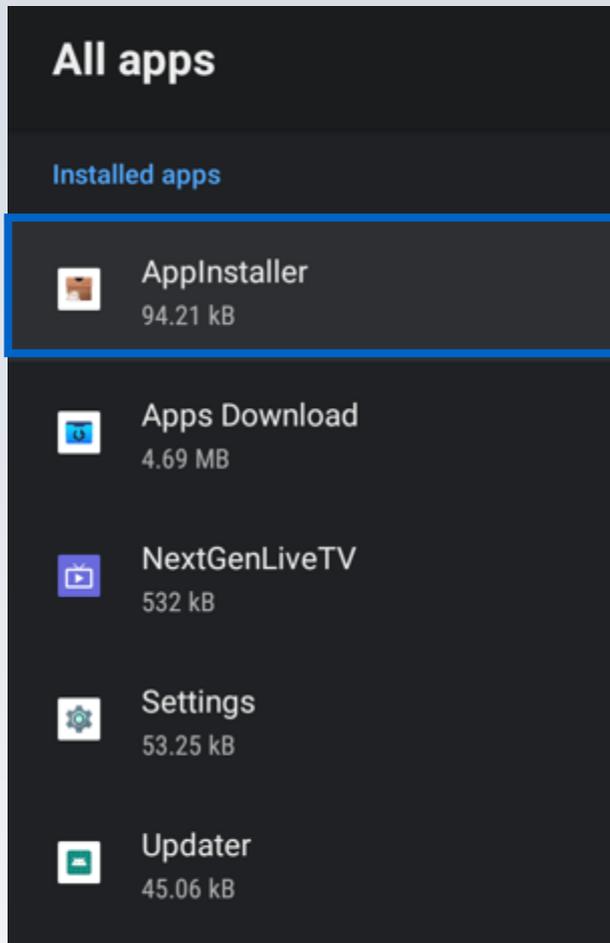
- Update Local Button is not used for Internet Update. Ensure you are selecting “Check System Update” and not “Local Update Button”.



STEP 3.

- If it shows “No update”, the Android OS version is the current. No new updates are available

Software Update (USB)

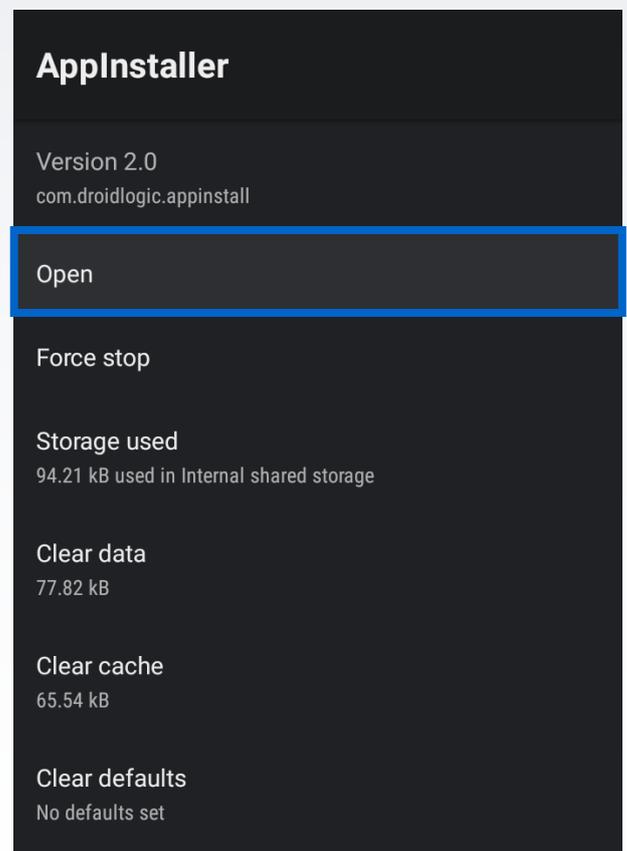


STEP 1.

- Put the APK in an USB storage device.
- Insert the USB storage device into the USB port of the NextGen TV Box.
- Press "**Android Settings Button**" on the remote control → Select "**Apps**" → Select "**See All apps**".
- The following screen will appear → Select "**AppInstaller**" to confirm.

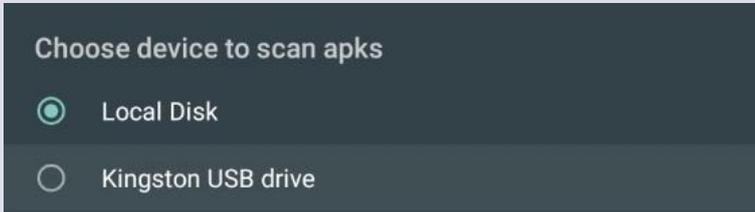
STEP 2.

Use the remote control to select "**Open**" → Press "**OK**" to confirm.



STEP 3.

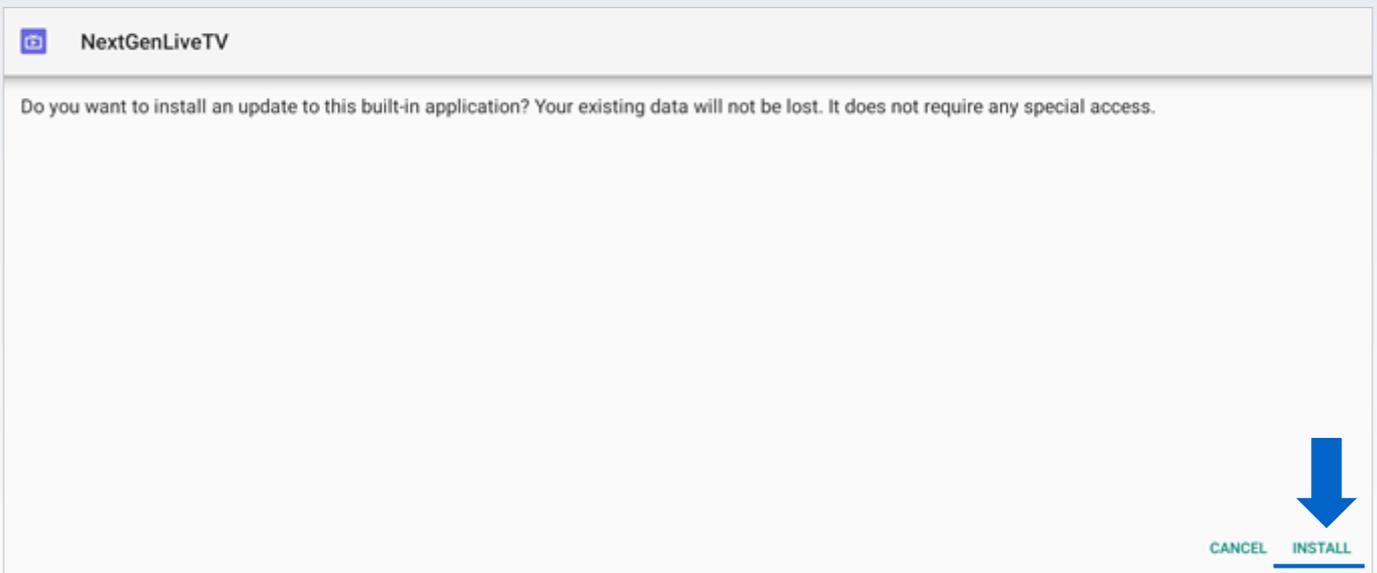
- Select "**the USB storage device**" (such as Kingston USB drive) → press "**OK**" to confirm.



- App Installer will list all APKs from the USB storage device.

STEP 4.

Find the "**INSTALL**" button at the bottom right corner of the screen → Press "**OK**" to install. (Refer to image below.)



STEP 5.

Select "**DONE**" to complete the APK installation process.

Program Guide

Press "**Guide**" on the remote control → Use Cursor Keys (▲▼◀▶) to navigate the program guide.

Electronic Program Guide
Today 3rd Hour
 12/13/2021 08:00 AM - 09:00 AM
 News anchors feature interviews with celebrities and notable guests, inspiring stories of people who do remarkable things, cultural influencers, newsmaker exclu

MON Monday, 12/13/2021			08:00 AM	08:30 AM	09:00 AM	09:30 AM
4-1	WRC		Today 3rd Hour		Today with Hoda & Jenna	
5-1	WTTG		Good Day DC		Good Day DC	
7-1	WJLA					
9-1	WUSA		Great Day Washington		Let's Make a Deal	
32-1	WHUT		In Their Own Words		Body Electric	The Journey

Troubleshooting

Device Failure		Possible Cause	Solution
No Picture		Power is not connected	Connect the power and ensure the device has been turned on.
No Picture but Sound OK		HDMI cable is not connected or is loose.	Ensure cables are connected correctly.
"No Signal" Appears on the Screen		Antenna cable is not connected	Check antenna connections at the back of the device and at the antenna.
Picture is breaking up		Signal is weak and unstable	Check the antenna connection
Remote Control is not responding		Batteries are flat	Replace the batteries. * Do not mix old and new batteries in the IR remote control
USB device is not detected		Not powered correctly	Check the power source (if fitted) or reconnect
Unable to decrypt	Error Code 100	Unable to Decrypt	An issue occurred while trying to tune this encrypted channel. Restart the device by unplugging your device for 10 seconds and plugging it back in
	Error Code 101	Unable to access pre-loaded decryption license	Restart the device by unplugging your device for 10 seconds and plugging it back in. Alternatively connect the device to an internet connection to access this channels decryption license
	Error Code 102	Unable to Decrypt – Network Configuration Issue	Restart the device by unplugging your device for 10 seconds and plugging it back in. Alternatively connect the device to an internet connection to access this channels decryption license

Troubleshooting

Device Failure		Possible Cause	Solution
Unable to decrypt	Error Code 103	Unable to Decrypt – Network Latency Issue	Restart the device by unplugging your device for 10 seconds and plugging it back in. Alternatively connect the device to an internet connection to access this channels decryption license
	Error Code 104	Unable to Decrypt – Server Error	An issue occurred while trying to tune this encrypted channel. Restart the device by unplugging your device for 10 seconds and plugging it back in
	Error Code 105	Unable to Decrypt – Authorization Issue	An issue occurred while trying to tune this encrypted channel. Restart the device by unplugging your device for 10 seconds and plugging it back in
	Error Code 106	Issue Verifying Service	An issue occurred while trying to tune this encrypted channel. Restart the device by unplugging your device for 10 seconds and plugging it back in
	Error Code 107	Broadcast IP Channel Issue	Restart the device by unplugging your device for 10 seconds and plugging it back in. Alternatively connect the device to an internet connection to access this channels decryption license

Contact Us

Please kindly reach out us via the Contact Us function in our website:

<https://www.zinwell.com.tw>