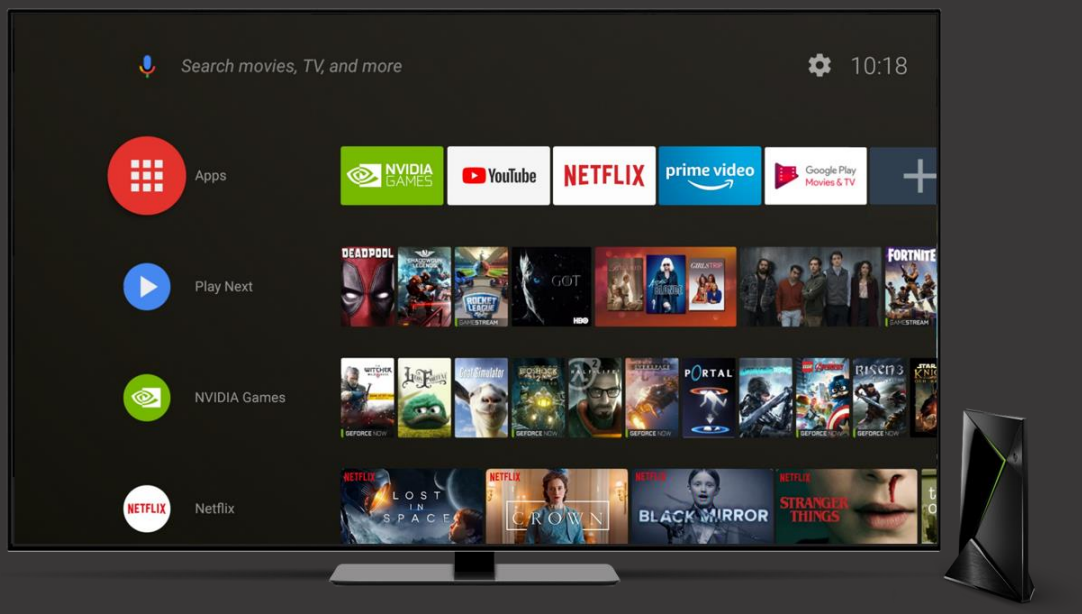
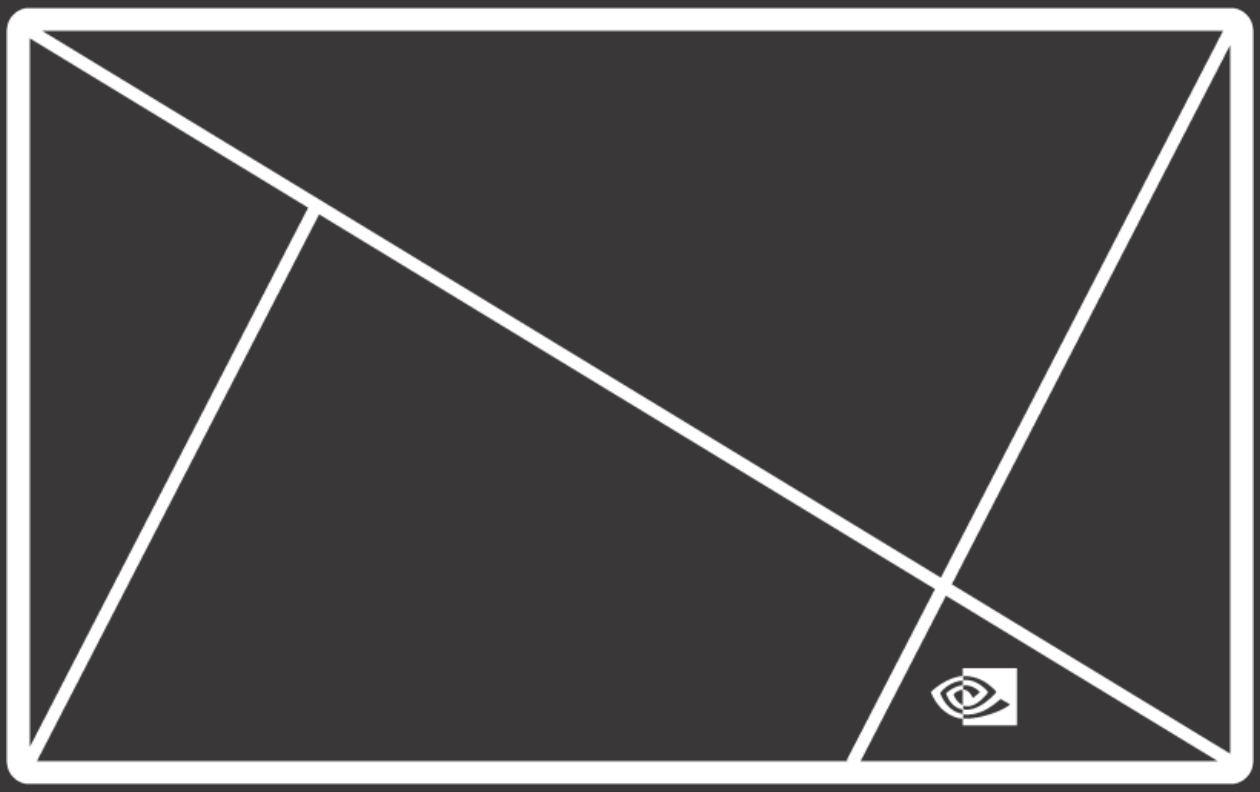
ABOUT SHIELD TV

Thank you for choosing NVIDIA SHIELD TV. This user guide will help you get started and provides tips for getting the most out of your SHIELD device.



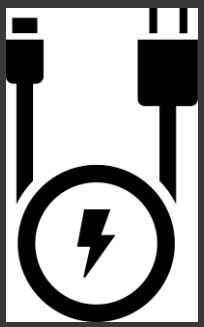
IN THE BOX

SHIELD TV comes with the following:



SHIELD TV

SHIELD Remote



Power cord

A Quick Start guide and Support booklet are also included.

GET STARTED

WHAT YOU NEED

Here's what you'll need to start using your SHIELD TV:

1. TV or monitor with HDMI port (HDCP compatible)
2. High-speed HDMI 2.0 cable
3. Internet connection via Wi-Fi or Ethernet
4. A Google account

SET UP

Here's how to plug in your =SHIELD TV Pro and connect your remote:

1. Connect your SHIELD TV to your TV with a high-speed HDMI 2.0 cable.
    - Make sure your TV or monitor is off, and plug one end of the HDMI cable into the HDMI port on the back of your SHIELD TV. Plug the other end of the cable into an HDMI port on your TV or receiver.
2. Connect your SHIELD TV to power, using the power cord.
    - Plug one end of the power cable into the back of your SHIELD TV and plug the other end into a power outlet. SHIELD TV will automatically power on as you plug it in and you will see the green light turn on. When you are not using it, it will automatically go into sleep mode and the green light will turn on.

3. OPTIONAL: Connect your SHIELD TV to Ethernet. If you do not use an Ethernet connection, you can connect to your Wi-Fi network later.

4. Turn on your TV and change to the HDMI input that your SHIELD TV is plugged into.

    - Check the label on the HDMI port on your TV or monitor.

5. Follow the on-screen instructions to sign in to your Google account and to connect to Wi-Fi (if needed)

CONNECTING SHIELD REMOTE

SHIELD Remote comes automatically paired with your SHIELD TV. Just press the Select button to get started.

HELP CONNECTING TO WI-FI

If your network requires web authentication (captive portal), SHIELD TV will bring up the authentication web page and allow you to sign in.

Try these troubleshooting steps if your device won't connect to Wi-Fi.

CONFIGURE SHIELD REMOTE FOR VOLUME CONTROL

Your SHIELD remote can control your TV/AVR using IR. To set up IR or CEC volume control, go to **Settings** > **Device Preferences > Display & Sound > Volume control**

Options for volume control are:

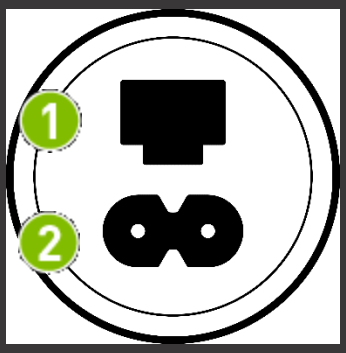
- HDMI-CEC (recommended if your TV or receiver supports it)

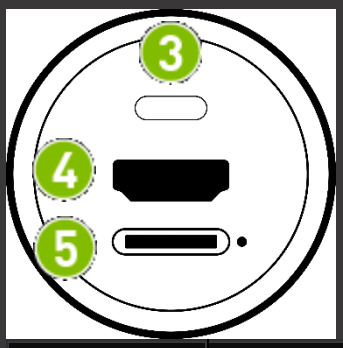
- IR (requires you to point the remote at your TV or receiver)

KNOW YOUR SHIELD TV

SHIELD TV

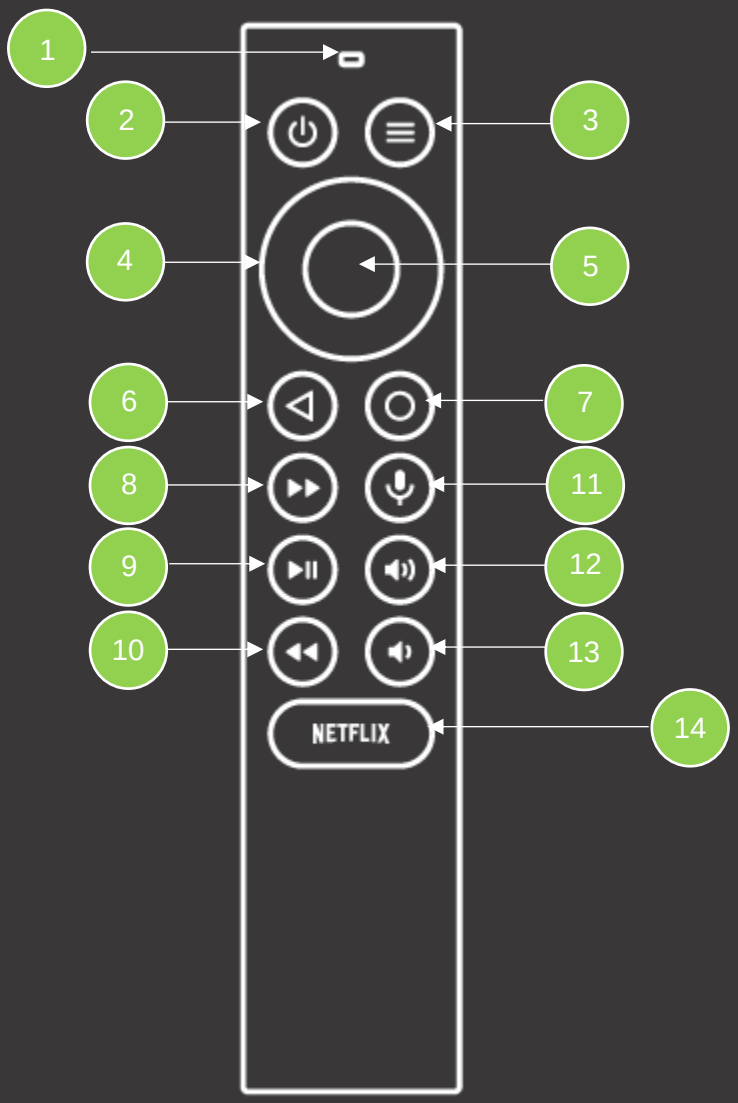
Side View





1	Ethernet
2	Power in
3	Remote locator
4	HDMI
5	microSD slot

SHIELD REMOTE



1	Built-in Microphone
2	Power Button
3	Settings Button (customizable in Settings > Devices & Accessories > Customize Settings button)
4	Navigation Ring (Up, Down, Right, Left)
5	Select Button
6	Back Button
7	Home Button
8	Fast-forward Button
9	Play/Pause Button
10	Rewind Button
11	Voice Search Button
12	Increase Volume
13	Decrease Volume
14	Open Netflix

HOW TO USE SHIELD REMOTE

To	Action
Navigate	Use the navigation ring (Up, Down, Left or Right)
Select an item	Press Select button
Go to the previous screen	Press Back button
Go to Home screen	Press Home button
Access recent apps	Double press Home button
Access all apps	Press and hold Home button
Broadcast and record games	Press and hold Home button (NVIDIA Share must be enabled)
Access Settings	Press Settings button or hold the BACK button (from the home screen)
Sleep SHIELD	Press Power Button (TV will power off if HDMI-CEC or IR power control are enabled)
Voice search with Google Assistant	Press and release the Voice Search button and then say your command. Try "Play Stranger Things" or “What’s the weather?”
Adjust volume	Press the volume up or volume down buttons.

Fast-forward	Press the fast-forward button
Rewind	Press the rewind button
Play or Pause	Press the play/pause button
Put remote in pairing mode	Press and hold the Home + Back button until the buttons flash

HOW TO CONNECT YOUR REMOTE

SHIELD Remote comes automatically paired with your SHIELD TV out of the box. Simply press the Select button to turn it on. To connect a new remote to SHIELD follow the instructions at nvidia.com/connect

NOTE SHIELD remote turns on and off automatically. If the remote does not respond, you may need to replace the batteries in your remote. The battery level can be checked in the **SHIELD accessories** app.

CUSTOMIZABLE SETTINGS BUTTON

The Settings button opens Settings by default, but can be customized to perform your favorite activity. To change the Settings button behavior, go to Settings > Remotes & Accessories > Customize Settings button.

LOCATE LOST SHIELD REMOTE

Your SHIELD Remote has a locator feature. When activated your SHIELD remote will play an audible tune. This audio finder will stop playing after 10 seconds. There are several ways to active this feature

- **Remote locator button on SHIELD**
    - Locate the remote locator button on one end of your SHIELD (above the HDMI port) and press to start locating your SHIELD.
- **SHIELD TV mobile app (iOS/Android)**
    - Download the SHIELD TV app for your device is you have not already done so.
    - Tap “more options” in the app (three dots in the upper right hand corner).
    - Tap “find my remote”
- **Google Home**
    - Important note: Your Google Home must be on the same network as your SHIELD and use the same Google Account you have signed into your SHIELD with.
    - On a Google Home device, say “OK Google, start SHIELD remote locator”
- **Amazon Echo devices**
    - Important note: You must have already paired your Echo device to SHIELD using the Amazon Alexa skill.
    - On your Echo device, say “Alexa, Ask SHIELD to find my remote”
- **2nd accessory or Android TV app**

- Go to Settings > Remotes & Accessories > SHIELD Accessories > SHIELD remote and select “Find this accessory”.

Note: The remote locator will only work if your SHIELD remote is connected to your SHIELD. Common reasons the locator feature may not work include

- Power is lost to your SHIELD (check power cable connection).
- Critically low/empty battery levels on your remote.
- Pairing between remote and SHIELD are lost.

RENAMING YOUR SHIELD REMOTE

Your SHIELD Remote can be given a custom name. To rename your SHIELD Remote, go to Remotes & Accessories > SHIELD Accessories > Active controller > Accessory name.

HOW TO REPLACE YOUR REMOTE BATTERIES

Your SHIELD Remote uses (2) AAA batteries to power the remote. To replace the batteries, follow these instructions.

1. Slide cover off the back of the SHIELD remote.
   - Locate the downward arrow on the back of the SHIELD remote.
   - With your thumb, press in and down to slide the back cover off.
2. Replace the batteries with the "+" terminal facing down.
3. Slide the battery tray back into your SHIELD Remote until a soft click is heard.

ENABLE AUTOMATIC SYSTEM UPGRADES

Your SHIELD can automatically download and install system upgrades. To enable this feature, go to **Settings** > **Device Preferences** > **About** > **System upgrade** and turn on **“Auto-upgrade”**. You can also specify a time for SHIELD to apply the upgrade.

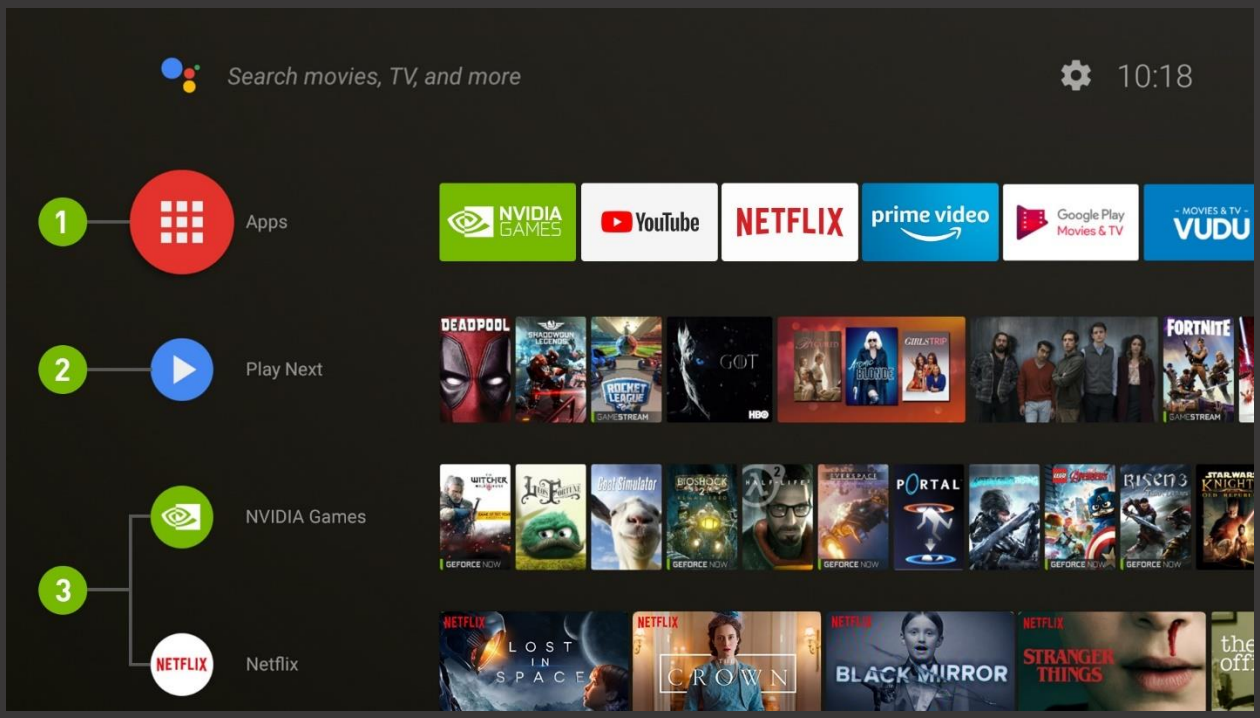
CHECK FOR SYSTEM UPGRADE

System upgrades are pushed to your SHIELD TV directly from NVIDIA. A notification banner will appear at the top of the SHIELD TV home screen when an upgrade is available. Select “Details” on this notification and your SHIELD TV will automatically download and apply the update. You can also manually check for updates by going to **Settings** > **Device Preferences** > **About** > **System upgrade**.

INTRODUCTION TO ANDROID TV

BASIC LAYOUT AND NAVIGATION

From the Android TV home screen, you can easily access movies, TV shows, music, apps, games, and settings. To get to the Home screen at any time, press the Home button on your SHIELD remote or on your SHIELD controller.



(1) Favorite Apps

You choose the apps and the order! Hold the Select button on an app to move it. To access all your apps, hold the Home button or select the red Apps icon.

(2) Play Next

Continue where you left off in TV shows, movies, and games. To add content to Play Next, navigate to the content and hold the Select button.

NOTE: Not all apps support Play Next

(3) Channels

Discover new entertainment from your favorite apps. You choose the channels and the order. Navigate left on a channel to move or remove it.

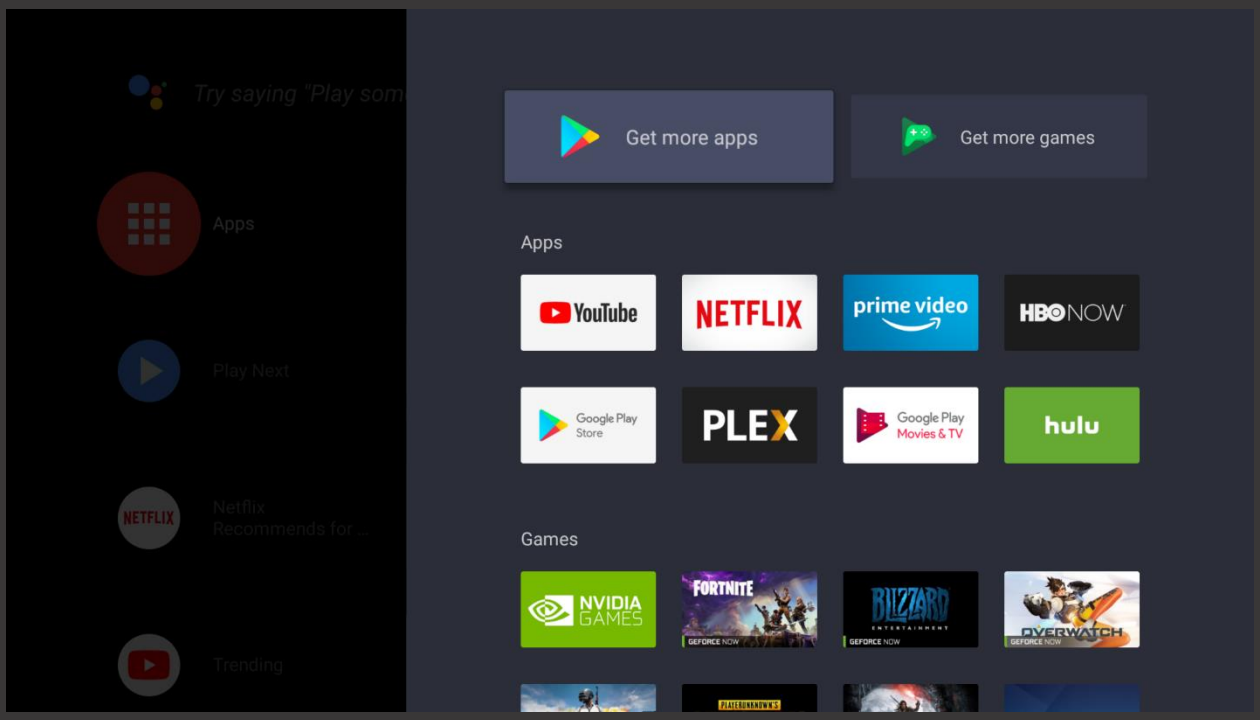
NOTE: Not all apps support Channels

Search

You can also search on Android TV by navigating to the top of the Home screen and selecting the search icon. You can also initiate Voice search instantly at any time by pressing the NVIDIA button on your SHIELD Controller or by pressing the Voice search button on your SHIELD Remote. Learn more about what you can search for on Android TV.

APPS AND GAMES

All installed apps and games can be accessed by selecting the "Apps" icon on the home screen, or by long pressing "Home" on your SHIELD Remote



Get more apps (Google Play Store)

Use this shortcut to access the Google Play Store to find the latest apps available for SHIELD TV

Launch app or game

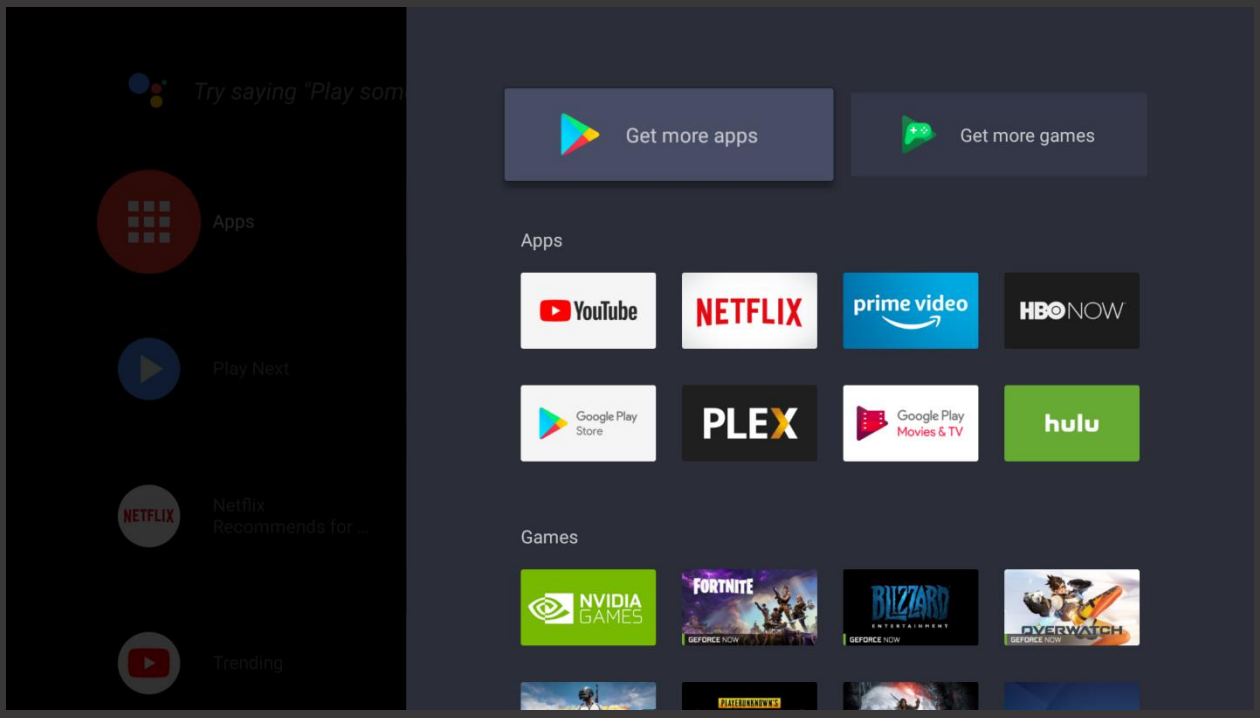
Press select to immediate launch the app.

Move, Uninstall, or add to "Favorite Apps row

Long press select to access the app menu.

QUICK SETTINGS

Quick settings provides easy access to commonly used settings and can be accessed by pressing the “Settings” button on your SHIELD remote. Quick settings entries are customizable. To add, remove, or re-order entries, go to **Settings** **> Device Preferences > System > Customize Quick Settings**

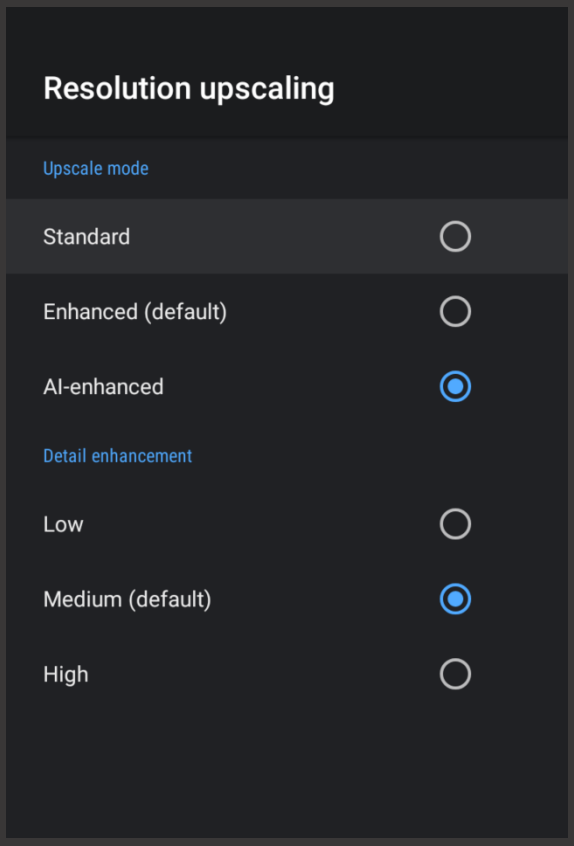


AI UPSCALING

SHIELD delivers AI powered upscaling, capable of intelligently scaling lower resolution video to your TV's native resolution. With this new feature, HD movies on Netflix or Prime Video will look sharper on your 4K display.

By default, "Enhanced" upscaling is enabled on your SHIELD. To enable "AI-Enchanced" upscaling, go to **Settings** **> AI upscaling** and select "AI-Enhanced".

Detail enhancement is an "AI-Enhanced" only option and can be customized based on your own preference. A side by side demo mode is available to compare "Basic" to AI upscaling.



NOTE: AI Upscaling is not available for the following types of content:

-
- Video resolution is less than 480p
- Bideo frame rate higher than 30Hz
- Video content color space is RGB, HDR or Dolby Vision

AI Enhanced upscaling will fallback to “Enhanced” Inin these cases

GOOGLE ASSISTANT ON SHIELD TV

USING GOOGLE ASSISTANT

With Google Assistant on SHIELD you can find Movies and TV Shows, launch apps and games, and control your smart home. It's everything you love about Google Home, but enhanced for your living room.

Availability

Google Assistant for SHIELD is currently available for the following languages

- US English
- UK English
- Canadian English
- Australian English
- French
- German
- Spanish
- Italian

Additional support for other countries is planned but not yet available.

Using your Google Assistant

On your SHIELD remote:

1. From any app or the home screen press and release the Voice search button (SHIELD remote).

2. Hold your SHIELD Remote in front of you and say your question. Your assistant results appear as soon as you finish speaking.

NOTE If you are in a room with a lot of background noise or other people speaking, when you are done speaking immediately press Select on your SHIELD remote to submit the voice search. This will stop the voice detection from continuing to listen.

Displaying more results

In most cases, you can get more results by pressing **UP** on the SHIELD Remote. Search results from other apps are displayed in this menu.

Hands free “Ok Google”

If you own a SHIELD Controller 2017, you can say "OK Google" or "Hey Google" to begin your request.

To enable this feature go to **Settings** **> Device Preferences > Google Assistant > Enable “OK Google” Detection**

What You Do with Google Assistant on SHIELD

Check out the examples below to learn about some of the things you can do with Google Assistant on SHIELD TV.

Turn your TV and SHIELD Off (requires HDMI CEC control enabled)

- "Turn off the TV"

Search for Movies or TV Shows

Search by title

- "Show me Batman movies"
- "I want to watch Arrested Development"

Search by director or actor

- "Show me movies directed by Steven Spielberg"
- "Show me TV shows with Chris Pratt"

Use any combination of search terms

- "Show me action movies with Tom Cruise"
- "Show me comedies with The Rock"

Instantly play your favorite shows

Some apps like Netflix, Hulu, YouTube, and HBO Now can start playing shows automatically.

- "Watch Stranger Things on Netflix"
- "Play cat videos on YouTube"

Launch your favorite app

- "Open NVIDIA Games"
- "Launch Netflix"

Control your smart home

By linking your smart home devices to Google Assistant, you can control your lights and switches using your voice.

- "Turn on the living room lights"
- "Dim the lights to 50%"

Plan your day

- "What's my first meeting today?"
- "How long is my commute this morning"

Show photos from your Google Photos account

- "Show me my pictures from 2010"
- "Show me my pictures of cars"

And More

Follow this link to see examples of what you can do with your Google Assistant

What apps show up in search results

You may also see search results from apps you've installed on your Android TV. These results will show up in a separate row. Some search results will be available in a few different apps. When you select the content, you'll be able to choose the app you'd like to use. You may customize results by going to **Settings > Device Preferences > Google Assistant > Searchable apps** and enable the apps you want to see results from.

Performing a Voice search within an app

You may also use voice search within many apps. If you initiate a voice search within an app, you will get search results only from that app.

Additional help and information

For help with setting up Google Assistant on SHIELD TV visit http://nvidia.custhelp.com/app/answers/detail/a_id/4554

SLEEP NOW OR RESTART

SLEEP NOW

SHIELD TV will automatically go to sleep after the time period:

1. On the SHIELD TV Home screen, select **Settings** **> Device Preferences > Screen saver**.
2. Select **When to start**.
3. Select one of the options.

RESTART

To restart:

1. On the SHIELD TV settings, select "Restart"
2. If this is unsuccessful, you can also unplug the power cord, wait 10 seconds, and then plug the power cord back in.

SLEEP TIMING AND SCREEN SAVER

You can set up a screen saver for your SHIELD TV that displays photos and colorful designs. Daydream uses a collection of scenic photos.

CHOOSE YOUR SCREEN SAVER

1. On the SHIELD TV Home screen, select **Settings** > Device Preferences > **Screen saver** .
2. Select **Screen saver** again.
3. Choose from the available options.

SET WAIT TIME FOR SCREEN SAVER

You can choose how long it takes for your screen saver to start when not using your SHIELD TV:

1. On the SHIELD TV Home screen, select **Settings** > Device Preferences > **Screen saver** .
2. Select **Put device to sleep**.
3. Select one of the options.

ADD BLUETOOTH ACCESSORIES

You can use Bluetooth accessories, such as a wireless keyboard, mouse or game controller with your SHIELD TV.

To add a Bluetooth accessory:

1. On the SHIELD TV screen, select **Settings** .
2. Under **Remote & accessories**, select **Add accessory** . You SHIELD TV will search for Bluetooth accessories within range.
3. Put your accessory in connecting mode.
4. You'll see your accessory listed on the TV screen. Select your accessory.
5. Your SHIELD TV will connect with your accessory.

TROUBLE ADDING BLUETOOTH ACCESSORY

Try these troubleshooting steps if your Bluetooth accessory won't connect.

4K HDR/DOLBY VISION DISPLAY SETUP

Your SHIELD TV supports 4K Ultra HD (3840 x 2160p) resolution content with HDR10 or Dolby Vision, from many apps.

To ensure that your SHIELD TV is optimized for 4K video output, keep your device updated with the latest system software.

Watching 4K content from SHIELD TV requires a 4K display with HDMI 2.0 and HDCP 2.2 support. Make sure SHIELD TV is connected to an HDMI input that supports HDCP 2.2. Consult your 4K display's user guide to find the correct HDMI port to plug SHIELD TV into for watching 4K content.

NOTE Most 4K streaming content requires HDCP 2.2 compatible ports. See your 4K display's user guide for further details.

Consider using the HDMI-UHD port for 4K support. Some TVs by default have UHD input disabled in TV settings, so please make sure that UHD is enabled in the settings for your TV for this input.

ENABLE DOLBY VISION/HDR10 ON SHIELD

Your SHIELD will automatically set to a HDR10 capable display mode when detected.

If you own a Dolby Vision compatible display at 4K resolutions with 60Hz refresh rate, enable Dolby Vision by selecting **Settings** **> Device Preferences > Display & Sound > Dolby Vision**

If you are unable to enable “Dolby Vision”, your HDMI cables may be the issue. Try replacing them with higher quality cables and try again.

If your TV supports 4K Dolby Vision at lower refresh rates, you can change your display mode at **Settings** **> Device Preferences > Display & Sound > Advanced display settings > Custom display mode** and select any mode labelled “Dolby Vision Ready”.

WARNING: **S**electing lower refresh rate display modes will cause home screen and app navigation to appear slow.

ENABLE DOLBY VISION/HDR10 ON YOUR TV

Some HDR TVs do not have HDR output enabled by default for HDMI. To enable HDR output from SHIELD, refer to your TV owner's manual. Here are the settings for some of the common TVs:

- **Samsung HDR TVs**: Menu > Picture > Picture Options > HDMI UHD Color > On > Restart
- **LG HDR TVs**: Home > HDMI > Settings > Advanced > Picture > HDMI ULTRA DEEP COLOR > On > Restart
- **Sony HDR TVs**: Home > Settings > External inputs > HDMI signal format > HDMI [select the SHIELD input] > Enhanced mode (TV will reboot)

WATCHING NETFLIX 4K OR HDR

To watch Netflix shows in 4K or HDR, you may need to upgrade your Netflix service account to the "4 screen plan." Consult Netflix's article on their latest requirements to stream 4K or HDR content. http://help.netflix.com/en/node/42384

AVR / SURROUND AUDIO SETUP

SHIELD TV supports Dolby Digital (AC3), Dolby Digital Plus (E-AC3), Dolby ATMOS, Dolby TrueHD, DTS:X, and DTS Core Audio Streams over HDMI. Dolby audio can be decoded/converted to the best available format for your home theater. DTS audio will not be converted and will be passed directly to the HDMI output.

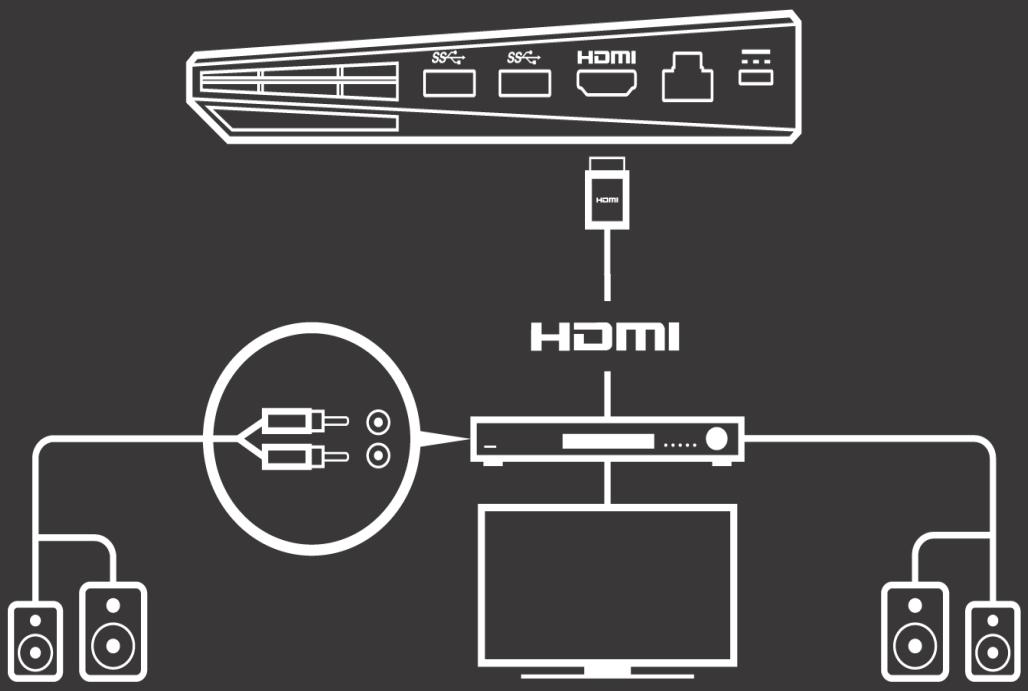
In order to experience surround sound, use an AV receiver or TV capable of decoding these audio streams.

NOTE If your receiver or HDMI TV does not have the capability to decode the streams, then there may not be any audio.

NOTE Make sure your receiver has been updated with the latest firmware. In some cases, this can resolve compatibility or audio/video issues.

(I) Recommended setup: SHIELD ➔ AVR ➔ TV

1. Connect your SHIELD TV to a receiver with an HDMI cable.
2. Plug another HDMI cable from your receiver's HDMI OUT port to the TV.



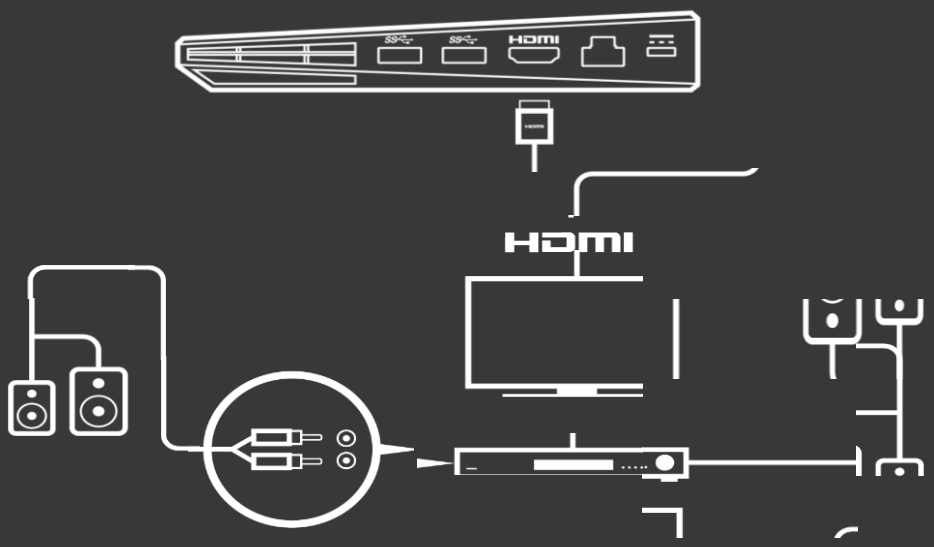
NOTE If you have a 4K or HDR TV, you must attach HDMI 2.0 compatible cables between both the SHIELD and the AVR and between the AVR and the display. Your AVR must also be compatible with HDMI 2.0 (HDCP 2.2) signal.

(II) Soundbar or legacy AVR: SHIELD ➔ TV ➔ AVR

WARNING: This configuration should only be used if your Soundbar or AVR does not support 4K, HDR or Dolby Vision. Your soundbar must support Dolby Digital

1. Connect your SHIELD TV to a TV with an HDMI cable.
2. Connect TV to the receiver using Optical SPDIF or HDMI Audio Return Channel (HDMI-ARC)

3. Under **Settings** **> Device Preferences > Display & Sound > Advanced sound settings > Available formats** select **Manual** and disable all Dolby formats except AC3.



ENABLE SHIELD TO TURN ON AND OFF YOUR TV/AVR

SHIELD can control the power of your TV/AVR using HDMI-CEC. Go to **Display & Sound** > **Power control** to customize how your SHIELD controls your TV/AVR.

If your TV/AVR does not support HDMI-CEC, you can configure your SHIELD remote to send IR commands to your devices from this menu.

.

NOTE Most TVs have HDMI-CEC "turn TV off" disabled in the TV settings menu. HDMI-CEC (One Touch Play and TV off) must be enabled in your TV's settings. Search for your TV manufacturer's name and HDMI-CEC to find out what they call it and how to enable it.

AV SYNC

Use of an AV Receiver with HDMI for video may result in audio lagging behind video. First try using the receiver AV sync settings to calibrate. If this does not work, use the AV sync slider utility in **Settings** > **Device Preferences > Display & sound** > **Advanced settings** > **Audio video sync** to calibrate for audio delay. The AV sync slider allows you to advance audio by 1 second (in small increments of 10ms) to synchronize the audio and video.

Note that this tool is effective only when SHIELD is connected to your AV Receiver over HDMI (i.e. audio/video over HDMI); it is not meant to be used when a headset is plugged into SHIELD Controller/SHIELD Remote or Bluetooth audio device.

If video lags behind audio (i.e. audio is ahead of video) then use your AV receiver's settings to delay audio.

ADJUST FOR OVERSCAN

For TVs that don't provide their own overscan settings, use this setting to adjust the picture size to fit the screen.

Go to **Settings** > **Device Preferences > Display & Sound** > **Advanced Settings** > **Adjust for overscan** to resize the picture on your TV or display. Use the UP and DOWN d-pad buttons on your remote to maximize the picture on your TV. Make sure the green triangles are completely visible to avoid overscan.

ABOUT SHIELD SCREEN

Details about your SHIELD TV can be found at **Settings** > **Device Preferences > About**.

From this menu, you can

- Manually check for system upgrades
- Change your SHIELD's name
- Legal information
- Find additional system information, including
    - Serial number
    - IP address
    - Network MAC address

RESET SHIELD

RESET TO FACTORY SETTINGS

NOTE By performing a factory data reset, all data will be wiped from your SHIELD. Data associated with your Google account can be recovered. Any device settings will also be removed.

RESET THROUGH SETTINGS

To reset your SHIELD TV to factory settings, follow these steps:

1. From the Home screen, select **Settings** **>** Device Preferences > Reset.
2. Select **Reset**.
3. Then select **Erase everything** to confirm and reset your device.

CONNECTING STORAGE TO YOUR SHIELD

Additional microSD storage can be connected to your SHIELD. Connected storage is automatically connected as “removable storage” and SHIELD can read and write directly to the storage device. Apps and app data cannot be installed on “removable storage”. To increase storage for installing apps, connected storage must be formatted as “device storage”.

To format your storage device for “device storage”, select **Settings** > **Device Preferences > Storage > [Storage device] > Set up as device storage**. This will format and encrypt your storage device.

SHIELD TV is compatible with the FAT32, exFAT, NTFS, and HFS+ file systems.

HOW TO ADD NETWORK STORAGE

Your SHIELD TV device can add Network Addressable Storage (NAS) devices. This can be useful if you have a large amount of personal media shared on a network you would like to access on your SHIELD TV (e.g., PLEX Media Server)

To add a NAS,

1. Select **Settings** > **Device Preferences** > **Storage > Network storage**."
2. Any network discoverable drives will be located under "Available Network Storage."
3. If your NAS is hidden or does not broadcast, you can select "manually add a network storage."

ADJUSTING DISPLAY MODES (RESOLUTION,REFRESH RATE, COLOR SPACE)

To change your display mode, go to **Settings** > **Device Preferences > Display & Sound** > **Resolution** to select form a list of popular display modes.

Dolby Vision compatible modes are not enabled by default and can be selected here.

If you would like to select a custom display mode, go to **Settings** > **Device Preferences > Display & Sound** > **Advanced display settings > Custom display mode** to see a list of all modes available for your display.

NOTE If you choose a refresh rate other than 60Hz, you will experience slow performance in applications that support 60Hz (Android TV home page, games, and 60Hz videos).

MATCH FRAME RATE (BETA)

Important Note: This is an experimental feature (beta). Not all apps support this feature and some TV's may have difficulty setting to some refresh rates. PLEX and KODI already support automatic refresh rate matching.

If you are streaming content at a frame rate that does not match your display's refresh rate, SHIELD will automatically convert the content to match your display.

SHIELD also includes an experimental feature to match your display refresh rate with the content frame rate. To use this feature.

1. Start playing a video on SHIELD.

2. Press the "Settings" button to bring out the settings menu and select "Match frame rate (beta)" from the Quest Settings.

Note: Once playback is stopped, the display's refresh rate will return to its original setting. You will need to manually activate this setting every time you want to match frame rates.

Optional: Customize your remote Setting button to match frame rate. Go to **Settings** **> Remotes & Accessories > Customize Settings button** and select "Match frame rate (beta)".

For more information or troubleshooting for this feature, see our KB article on this topic [http://Brian to create URL here]

HOW TO TRANSFER CONTENT TO SHIELD

From a PC, you can access internal and attached storage on your SHIELD TV.

OVER LOCAL NETWORK

Your SHIELD TV can become discoverable as a network addressable device.

1. Enable **Settings** > **Device Preferences** > **Storage > Transfer files over local network**

2. The following page will have the information needed to log into your SHIELD TV to transfer files in and out of your storage.

CONTROL SHIELD WITH GOOGLE HOME

Log into the same Google account on your Google Home as you do with your SHIELD TV to control your TV hands-free.

Basic Commands
“Turn on [SHIELD]”
“Turn off [SHIELD]”
“Open [name of app] on [SHIELD]”

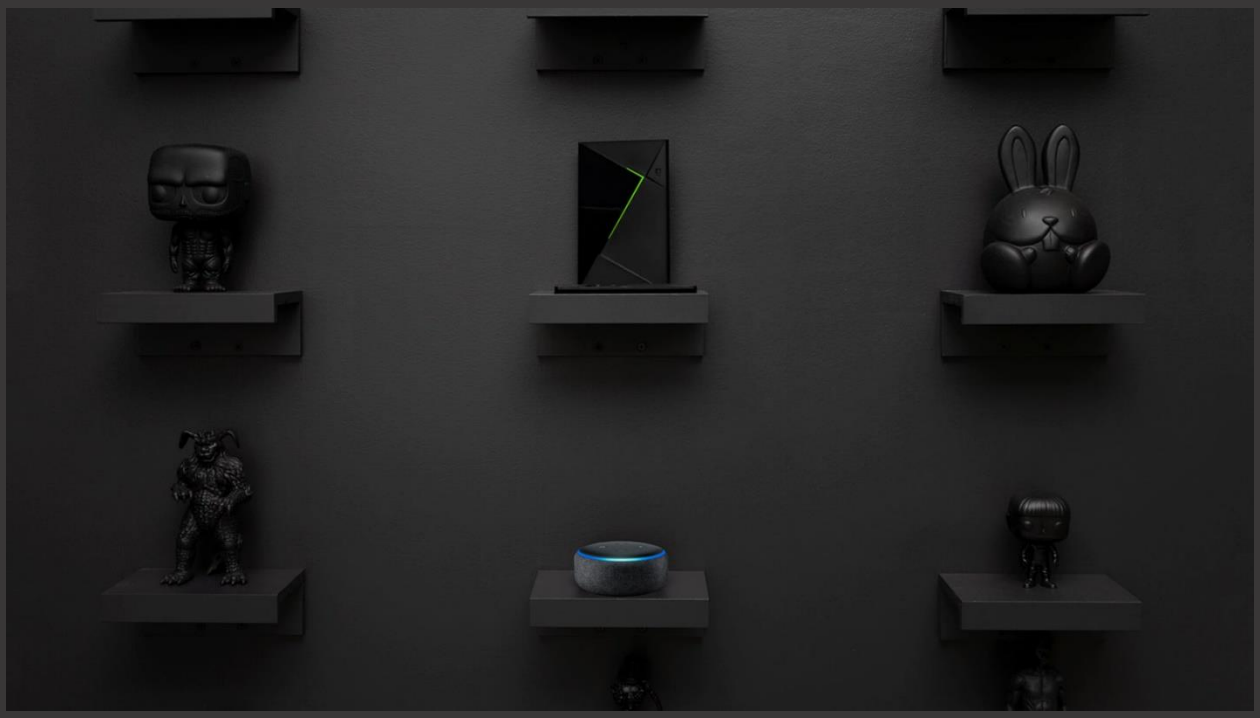
Playback Features
“Play [name of Netflix, HBO NOW, CBS, Viki, or Starz show] on [SHIELD]”
“Play [name of song] on [name of app] on [SHIELD]”
“Watch [name of channel] on YouTube TV on [SHIELD]”
“Play [video title] on YouTube on [SHIELD]”
“Pause on [SHIELD]”
“Play on [SHIELD]”

Photos and Smart Home
“Show me my pictures from Egypt on [SHIELD]”

“Show me my pictures from last weekend on [SHIELD]”
“Dim the lights”
“Set the temperature to 72 degrees”

NOTE: Change the name of your [SHIELD] by going to **Settings** **> Device Preferences > About > Device name**

CONTROL SHIELD WITH ALEXA AND AMAZON ECHO



Pair your SHIELD with an Amazon Echo device to launch apps, turn your SHIELD on or off, or even control playback.

Locate the NVIDIA SHIELD TV skill on the Alexa app on your mobile device and follow the instructions.

Voice commands that currently work, with more on the way:

Getting Started
“Alexa, turn on SHIELD.”
“Alexa, turn off SHIELD.”

Opening Entertainment apps
“Alexa, open Prime Video (on SHIELD).”
“Alexa, open HBO NOW (on SHIELD).”

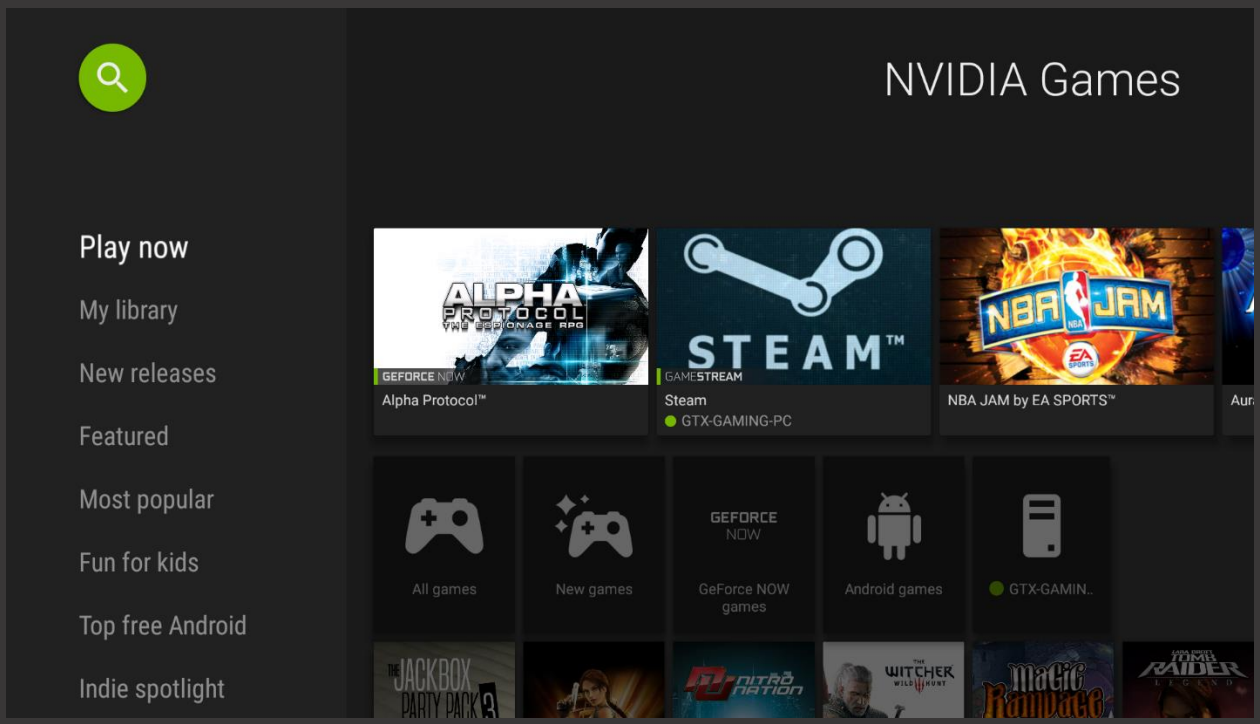
Using Media Controls
“Alexa, pause (on SHIELD).”

“Alexa, play (on SHIELD).”
“Alexa, next (on SHIELD).”
“Alexa, previous (on SHIELD).”
“Alexa, fast-forward ten minutes (on SHIELD).”

Navigating SHIELD
“Alexa, go to settings (on SHIELD).”
“Alexa, go home (on SHIELD).”
“Alexa, go to control settings (on SHIELD).”

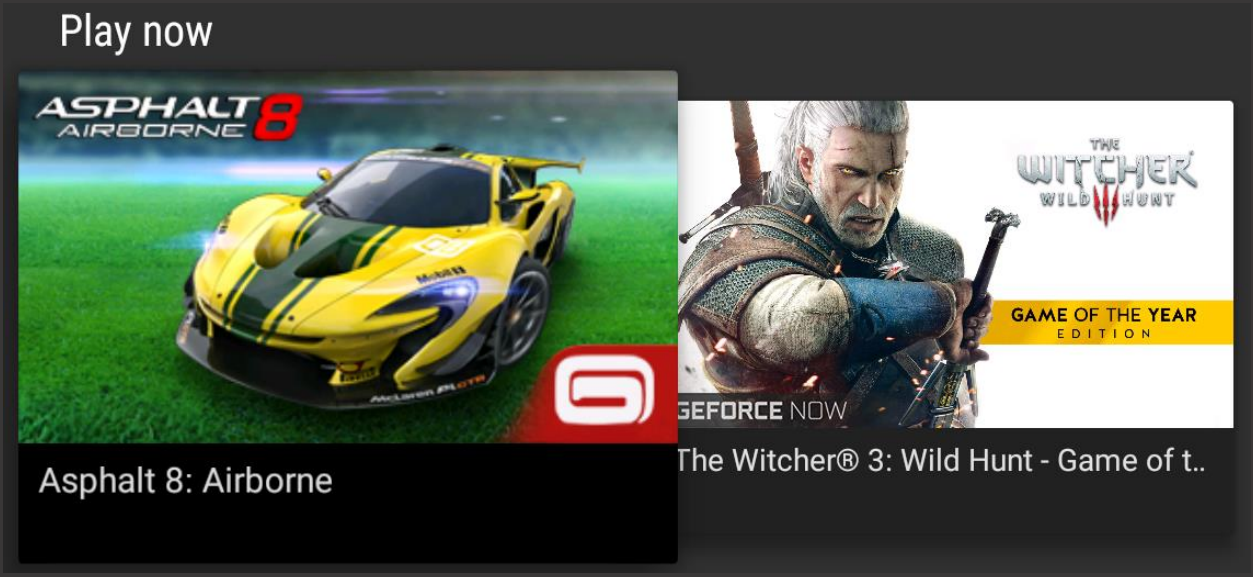
NVIDIA GAMES

The NVIDIA Games app makes it easy to find all the games you can play on your SHIELD TV. Whether you've downloaded an Android game from the Google Play Store, subscribed to GeForce NOW, or linked your GeForce RTX or GTX gaming PC for GameStream, you can find them all within NVIDIA Games.

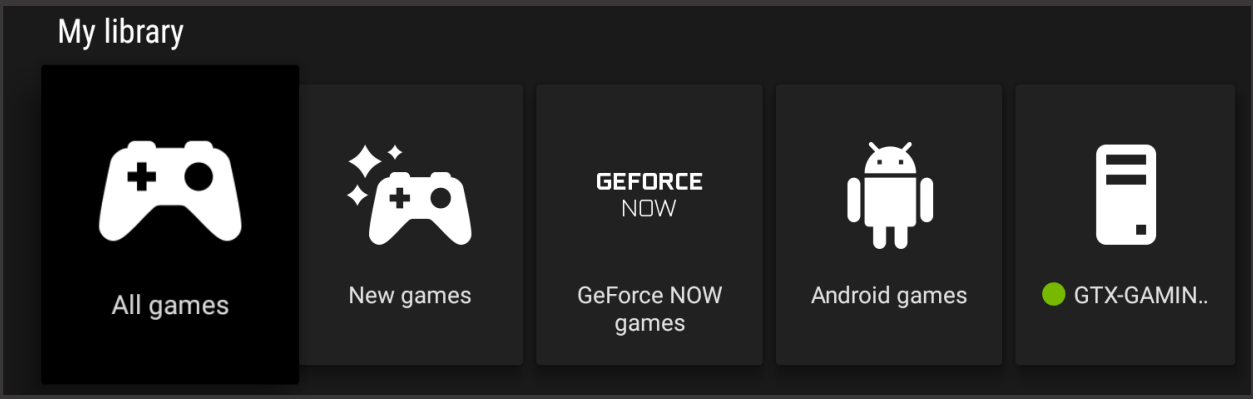


PLAY NOW

The **Play now** row will show recent games you have played on your SHIELD TV, as well as suggest new games based on what you enjoy playing



MY LIBRARY



The **My library** row contains all games currently available on your SHIELD TV.

ALL GAMES

Your entire collection of games playable on your SHIELD TV. This includes installed Android games, GeForce NOW games, and GameStream games.

NEW GAMES

Recently installed games and newly-released GeForce NOW games will be displayed in this section.

ANDROID GAMES

Your entire collection of currently installed Android games.

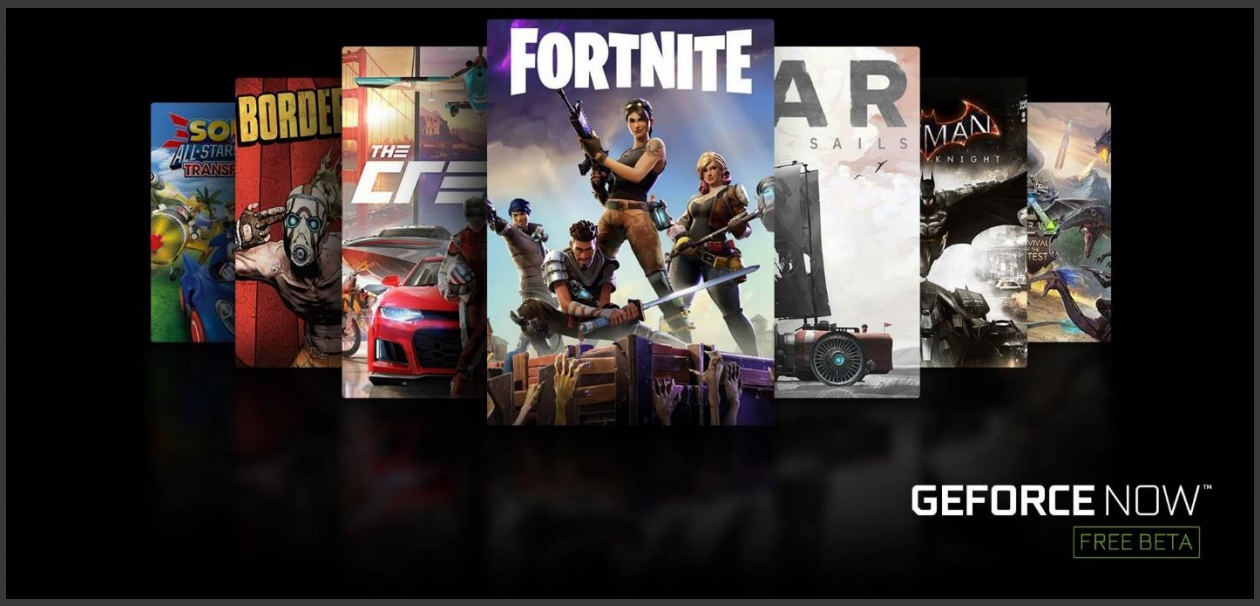
GEFORCE NOW

All GeForce NOW games available to be streamed from the cloud can be found here. This will include free games included with subscription as well as games you've purchased.

GAMESTREAM

Every GameStream-ready game linked with your NVIDIA account can be found here. If you have multiple GameStream PCs in your network, each game tile will display the PC you can stream from.

GEFORCE NOW GAMES



GeForce NOW beta is a cloud streaming service that turns your SHIELD TV or Tablet into a GeForce-powered PC gaming rig, so you can game from the same couch where you stream your favorite shows and movies. With hundreds of supported titles and features like cloud saves and cross-play on laptops and desktops, you can pick up a game from wherever you left off.

NOTE To stream games at 720p resolution and 30 frames per second, you need a broadband minimum download speed of 5 Mbps (10 Mbps recommended). To stream games at 1080p resolution and 60 frames per second, you need a broadband minimum download speed of 30 Mbps (50 Mbps recommended). Ethernet connectivity is recommended for the best experience.

NOTE Navigate through **NVIDIA Games** using the D-pad or left thumbstick on the game controller.

LOGIN

GeForce NOW is currently free during its beta. SHIELD owners receive immediate GeForce NOW access for one account. Due to popular demand, there's a waitlist for additional accounts to help keep game sessions instantaneous.

Launch the NVIDIA Games app and select any GeForce NOW game to get started. You will be prompted to log in with an NVIDIA account. If you do not have an NVIDIA account, you can create one during the activation process.

INSTALL AND PLAY GAMES

Click on any GeForce NOW game to install it on your virtual gaming PC. GeForce NOW comes with a collection of free games like *Tomb Raider* and *Fortnite,* but you can also access over 200 games you have purchesed from digital stores like Steam or U-Play. Log into the digital store associated with your account to confirm ownership or purchase the game. If you don't own it, you can always purchase it. The game will be saved in "My Library" to quickly play the next time you log in.

SUPPORTED INPUT DEVICES

Gamepad Required

These games require at least a gamepad like the SHIELD Controller to Play.

Partial Gamepad Support

These games can be mostly played with a controller, but may require a mouse or keyboard for certain actions (Control menus, type in character names, etc). Download the SHIELD TV app on your mobile phone or use the On-Screen Controls to use the virtual mouse and keyboard.

Keyboard and mouse required

These games require connecting a mouse and keyboard to SHIELD to play properly. See this link for a list of recommended wireless accessories.

IN-GAME MICROPHONE

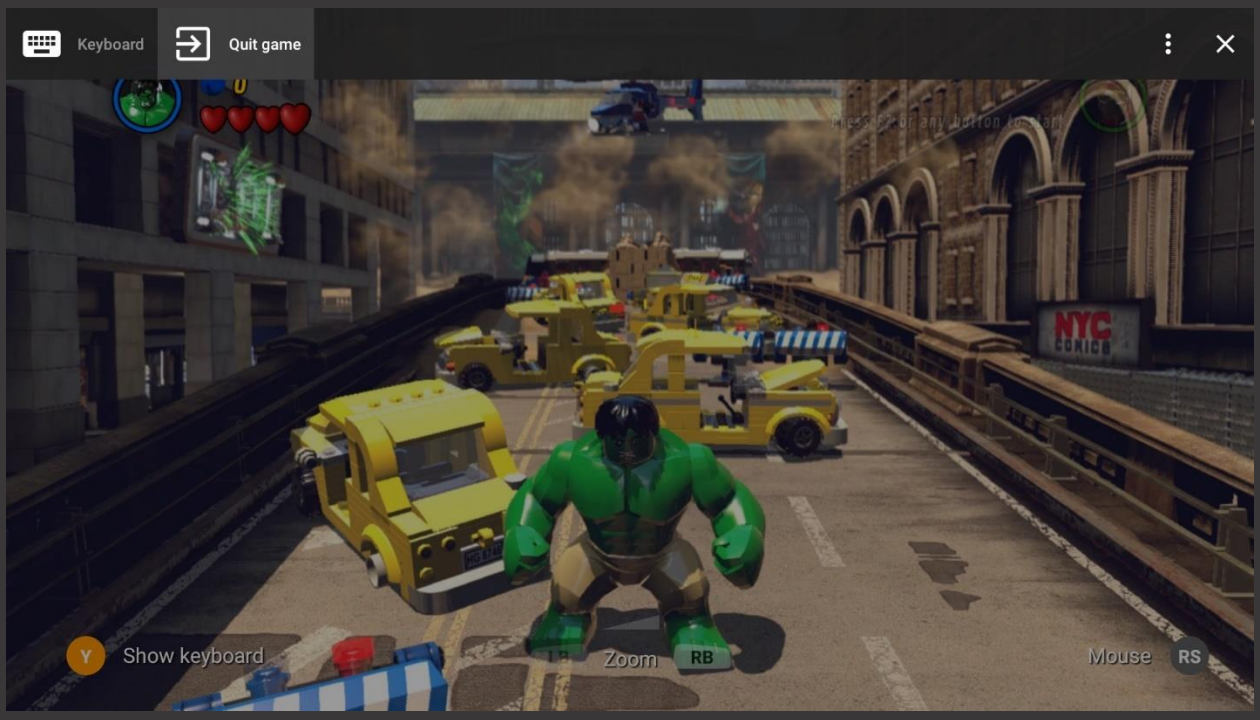
GeForce Now on SHIELD support in-game microphone for communicating with teammates. Your SHIELD Controller has a built in microphone which can

be used. Wireless headsets with 3.5mm connectors can also be connected to the controller as well. Read our GeForce NOW - Microphone FAQ for more information.

USING ON-SCREEN CONTROLS

On-screen controls provide users with additional controls necessary to navigate some GeForce NOW games. To access the on-screen controls, press and hold the Start button.

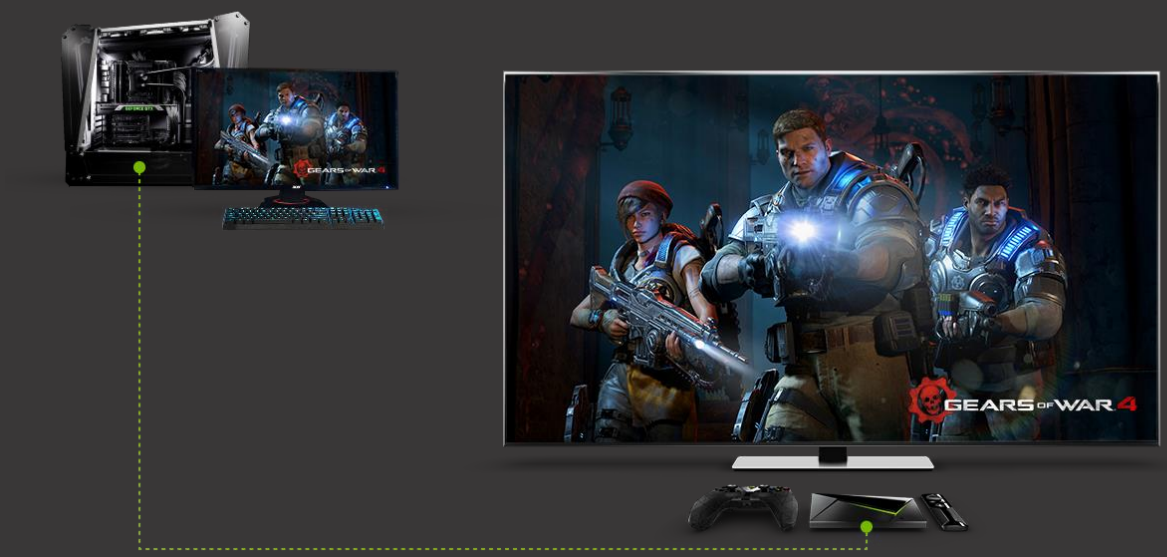
The on-screen controls will bring up a menu screen with three options: Keyboard, Quit, and three-dot menu.



If you need to input information into a dialog, use the "Keyboard" selection. If you want to quit the game, select "Quit game."

Most of the navigation options are straightforward. Clicking the three-dot menu > Help will display the full list of available functions.

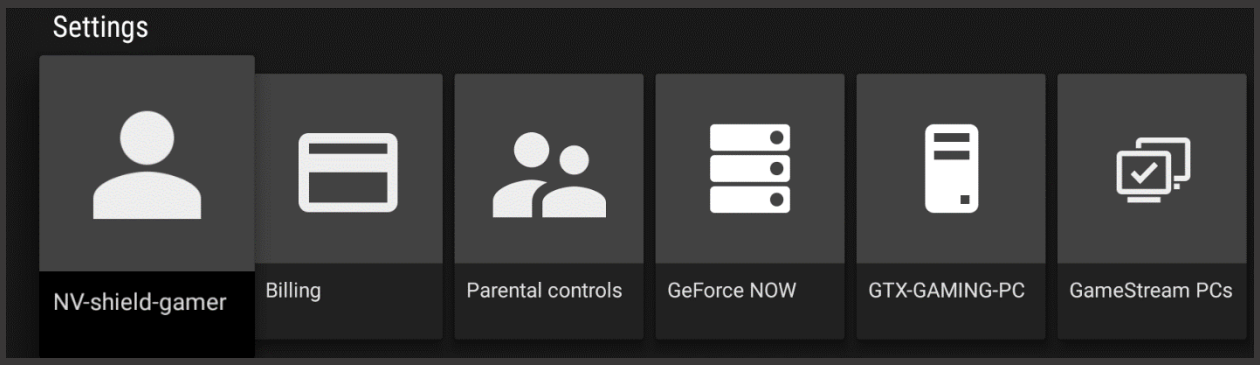
NVIDIA GAMESTREAM



GameStream gives you the power to access your favorite games from your GeForce® GTX-powered PC on your SHIELD TV or SHIELD Tablet. Jump directly into Steam® Big Picture mode from the Steam app on SHIELD. The redesigned NVIDIA GameStream™ technology makes the experience faster and smoother -- all with amazing 60 FPS gaming at up to 4K HDR.

To learn more about getting started with GameStream see our GameStream User's Guide.

SETTINGS



USER PROFILE

Log into your NVIDIA account to get access to GeForce NOW or GameStream. If you are currently logged in, you will display your NVIDIA account name.

BILLING

Add payment information here. Billing information is used to renew your GeForce NOW monthly subscriptions, as well as purchasing new games on the GeForce NOW service.

PARENTAL CONTROLS

Enable age-appropriate filtering for games displayed in NVIDIA games.

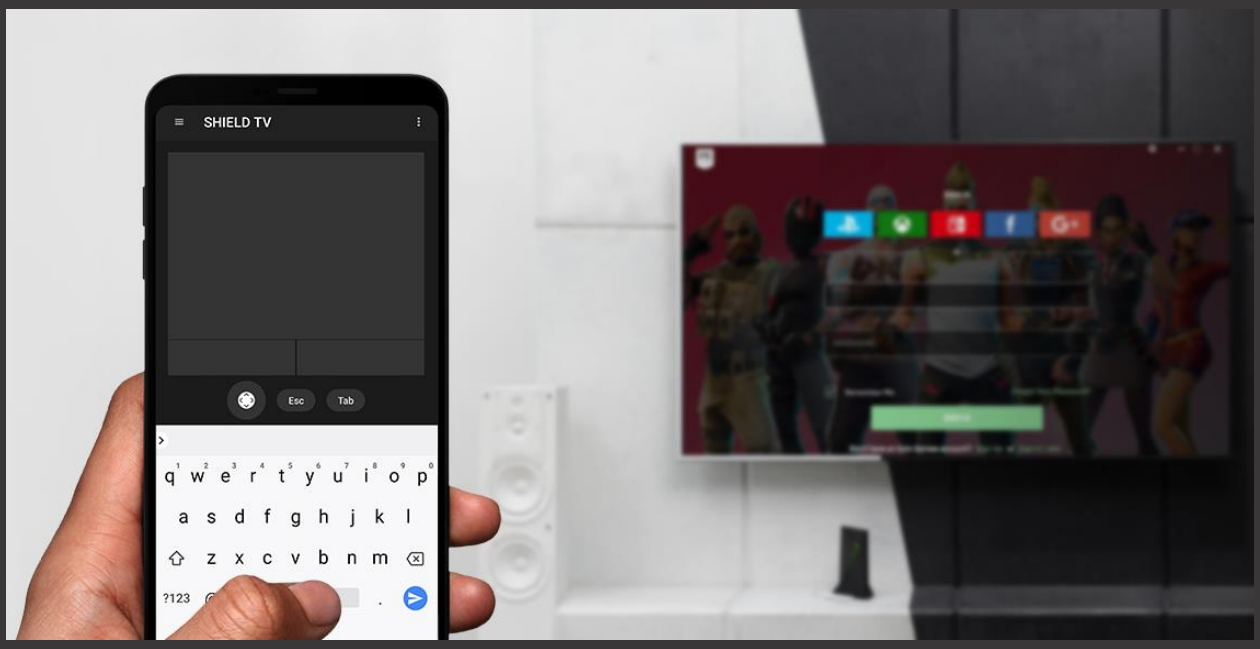
GEFORCE NOW

Edit GeForce NOW server and streaming configuration settings.

GAMESTREAM PC

Edit server and streaming quality configuration settings.

SHIELD TV REMOTE APP



The NVIDIA SHIELD TV app lets you control your SHIELD TV, launch apps, and log in to your favorite GeForce NOW games on SHIELD even faster.

The app gives you instant access to a virtual mouse and keyboard, which makes it simple for you to enter your username and password into game services.

FEATURES

GeForce NOW Controls

- Virtual mouse touchpad
- Virtual keyboard (US English)

SHIELD TV Remote Controls

- App launcher: Tap on the app banner to immediately launch app on your SHIELD TV
- D-pad navigation (up/down/right/left) and Select
- Android buttons (Back, Start, Home)
- Media playback (Play, Pause, Fast Forward, Rewind)
- Volume control

SETUP INSTRUCTIONS

1. Install the SHIELD TV app on your Android or iOS device
2. Connect your phone to the same network as your SHIELD TV
3. Launch the SHIELD TV app and select your SHIELD under discovered devices
4. Pair your device with SHIELD TV by entering the 6-digit code displayed on your TV

CHROMECAST 4K

Your SHIELD TV can also utilize Chromecast technology for casting your entertainment media from your phone, tablet, or laptop straight to the big screen. Both iOS and Android devices support Google Cast.

CAST TO SHIELD

1. Ensure that both your casting source (smartphone, tablet, laptop, etc.) and the SHIELD TV are connected to the same network.
2. On your source device, open a Google Cast-enabled application such as YouTube.
3. Touch or click the Cast icon .

4. Choose the Android TV you'd like to cast to. In this case, select 'SHIELD.'

5. Press Play on your phone or tablet. The content should start playing on you Android TV, and the Cast icon on your device will be filled in .

Supported apps vary by country. For more information about available apps in your country, visit g.co/castapps.

MIRROR CASTING TO SHIELD

SHIELD TV also supports mirror casting from select Android devices. To learn which devices are supported and for instructions on how to mirror your screen to SHIELD TV,
visit https://support.google.com/googlecast/answer/6104896.

TROUBLESHOOTING SHIELD

Before using this troubleshooting guide, make sure that your SHIELD is updated with the latest system update, available automatically if your SHIELD is connected to the Internet.

If you are unable to resolve the issues you are having with the troubleshooting steps in this guide, you may find a resolution in the GeForce Experience Forums > **SHIELD** section.

Useful tips and tricks can also be found on our SHIELD FAQ and our SHIELD support page.

If you are still unable to resolve the issues you are having, please contact NVIDIA support.

HEALTH AND SAFETY INFORMATION

IMPORTANT SAFETY INFORMATION

NVIDIA products are designed to operate safely when installed and used according to the product instructions and general safety practices. The guidelines included in this document explain the potential risks associated with equipment operation and provide important safety practices designed to minimize these risks. By carefully following the information contained in this document you can protect yourself from hazards and create a safer environment.

This product is designed and tested to meet IEC-60950-1, the Standard for Safety of Information Technology Equipment. This also covers the national implementation of IEC-60950-1 based safety standards around the world e.g. UL-60950-1. These standards reduce the risk of injury from the following hazards:

- **Electric shock:** Hazardous voltage levels contained in parts of the product
- **Fire:** Overload, temperature, material flammability
- **Mechanical:** Sharp edges, moving parts, instability
- **Energy:** Circuits with high energy levels (240 volt-amps) or potential as burn hazards
- **Heath:** Accessible parts of the product at high temperatures
- **Chemical:** Chemical fumes and vapors
- **Radiation:** Noise, ionizing, laser, ultrasonic waves

Retain and follow all product safety and operating instructions. Always refer to the documentation supplied with your equipment. Observe all warnings on the product and in the operating instructions.

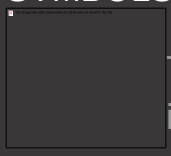
Read all safety information below and operating instructions before using the SHIELD to avoid injury.

WARNING: FAILURE TO FOLLOW THESE SAFETY INSTRUCTIONS COULD RESULT IN FIRE, ELECTRIC SHOCK OR OTHER INJURY OR DAMAGE.

ELECTRICAL EQUIPMENT CAN BE HAZARDOUS IF MISUSED. OPERATION OF THIS PRODUCT, OR SIMILAR PRODUCTS, MUST ALWAYS BE SUPERVISED BY AN ADULT. DO NOT ALLOW CHILDREN ACCESS TO THE INTERIOR OF ANY ELECTRICAL PRODUCT AND DO NOT PERMIT THEM TO HANDLE ANY CABLES.

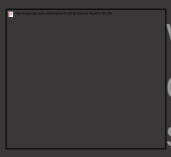
To reduce the risk of bodily injury, electric shock, fire, and damage to the equipment, observe the safety labels included on the equipment.

SYMBOLS ON EQUIPMENT



This symbol in conjunction with any of the following symbols indicates the presence of a potential hazard. The potential for injury exists if warnings are not observed. Consult your documentation for specific details.

This symbol indicates the presence of hazardous energy circuits or electric shock hazards. Refer all servicing to qualified personnel.



WARNING: To reduce the risk of injury from electric shock hazards, do not open this enclosure. Refer all maintenance, upgrades, and servicing to qualified personnel.

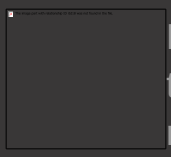
This symbol indicates the presence of electric shock hazards. The area contains no user or field serviceable parts. Do not open for any reason.

GENERAL PRECAUTIONS

To reduce the risk of electric shock, personal injury, or damage to the equipment, observe the following precautions:

- Follow all cautions and instructions marked on the equipment.
- Do not bend, drop, crush, puncture, incinerate, or push objects into openings of the device.
- Do not connect or disconnect any cables or perform maintenance or reconfiguration of this product during an electrical storm.
- Do not use the SHIELD TV in rain or near sink, or other wet locations. Take care not to spill any food or liquid into the device. In case the SHIELD device gets wet, unplug all cables and turn off before cleaning, and allow it to dry thoroughly before turning it on again.
- Do not expose the SHIELD TV to any gas which is not normally contained in the atmosphere. It may cause mis-operation or defects.
- Never turn on any equipment when there is evidence of fire, water, or structural damage.

- Place the product away from radiators, heat registers, stoves, amplifiers, or other appliances that produce heat.
- Never force a connector into a port. Check for obstructions on the port. If the connector and port don't join with reasonable ease, they probably don't match. Make sure that the connector matches the port and that you have positioned the connector correctly in relation to the port.
- Operate the AC adapter in a ventilated area.
- When you are using the NVIDIA SHIELD TV, it is normal for the system and/or AC power adapter to get warm.
- Do not use conductive tools that could bridge live parts.
- Do not make mechanical or electrical modifications to the equipment.
- Never attempt to reconnect the SHIELD TV yourself. This device does not contain any user-serviceable parts. Do not attempt to open, disassemble, or remove the battery. You run the risk of electric shock..
- Operate the SHIELD TV in a place where the temperature is always between 5 and 30°C (41 to 86°F).
- Store the SHIELD TV in a place where the temperature is always between 0 and 35°C (32 to 95°F) with relative humidity of 70% or lower. When taking the device from a low temperature condition, allow the device to reach room temperature before turning the power on.
- Use this product only with approved equipment and/or accessories
- If the product sustains damage requiring service, disconnect the product from the AC electrical outlet and refer servicing to an NVIDIA authorized service provider.



Proposition 65 WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. (California law requires this warning be provided to California customers.

A lire avant toute utilisation d'un jeu vidéo par vous-même ou par votre enfant.

I. - Précautions à prendre dans tous les cas pour l'utilisation d'un jeu vidéo.

Evitez de jouer si vous êtes fatigué ou si vous manquez de sommeil.

Assurez-vous que vous jouez dans une pièce bien éclairée en modérant la luminosité de votre écran.

Lorsque vous utilisez un jeu vidéo susceptible d'être connecté à un écran, jouez à bonne distance de cet écran de télévision et aussi loin que le permet le cordon de raccordement.

En cours d'utilisation, faites des pauses de dix à quinze minutes toutes les heures.

II. - Avertissement sur l'épilepsie.

Certaines personnes sont susceptibles de faire des crises d'épilepsie comportant, le cas échéant, des pertes de conscience à la vue, notamment, de certains types de stimulations lumineuses fortes: succession rapide d'images ou répétition de figures géométriques simples, d'éclairs ou d'explosions. Ces personnes s'exposent à des crises lorsqu'elles jouent à certains jeux vidéo comportant de telles stimulations, alors même qu'elles n'ont pas d'antécédent médical ou n'ont jamais été sujettes elles-mêmes à des crises d'épilepsie.

Si vous-même ou un membre de votre famille avez déjà présenté des symptômes liés à l'épilepsie (crise ou perte de conscience) en présence de stimulations lumineuses, consultez votre médecin avant toute utilisation.

Les parents se doivent également d'être particulièrement attentifs à leurs enfants lorsqu'ils jouent avec des jeux vidéo. Si vous-même ou votre enfant présentez un des symptômes suivants : vertige, trouble de la vision, contraction des yeux ou des muscles, trouble de l'orientation, mouvement involontaire ou convulsion, perte momentanée de conscience, il faut cesser immédiatement de jouer et consulter un médecin.

POWER RATING

19 V DC, 2.1 A

COMPLIANCE

The SHIELD Android TV Game Console is compliant with the regulations listed in this section.

United States

Federal Communications Commission (FCC)

FCC ID: VOB-P3430

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 any interference that may cause undesired operation of the device.

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 or more 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 Warning: The FCC requires that you be notified that any changes or modifications to this device not expressly approved by the manufacturer could void the user's authority to operate the equipment. Only those antennas with same type and lesser/equal gain filed under this FCC ID number can be used with this device.

RF Radiation Exposure Statement:
SHIELD Android TV Game Console has been tested and complies with FCC RF radiation exposure limits set forth for an uncontrolled environment when used with the NVIDIA accessories supplied or designated for this product. During testing, SHIELD was placed in positions that simulate use against the body. The use of any other accessories may not ensure compliance with FCC RF exposure guidelines.

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or

transmitter. End-users and installers must be provided with antenna installation instructions and consider removing the no-collocation statement.

Underwriters Laboratories (UL)

I.T.E. E204896

Canada

Innovation, Science and Economic Development Canada (ISED)

IC: 7361A-P3430

CAN ICES-3(B)/NMB-3(B)

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d' Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Caution: operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems

Be advised that high-power radars are allocated as primary users of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices

Attention: les dispositifs fonctionnant dans la bande de 5 150 à 5 250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux
Être informé des radars à haute puissance sont alloués principaux utilisateurs de bandes 5250 à 5350 MHz et 5850 MHz, à 5650 et que ces radars pourraient provoquer des interférences et / ou endommager les appareils RL-EL. radars à haute puissance sont alloués utilisateurs primaires des bandes 5250 à 5350 MHz et 5850 MHz, ce à 5650 et que ces radars pourraient provoquer des interférences et / ou endommager les périphériques RL-EL.

RF Radiation Exposure Statement:

SHIELD Android TV Game Console has been tested and complies with IC RSS 102 RF radiation exposure limits set forth for an uncontrolled environment when used with the NVIDIA accessories supplied or designated for this product. During testing, the SHIELD Tablet was placed in positions that simulate use against the body. The use of any other accessories may not ensure compliance with IC RSS 102RF exposure guidelines.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Déclaration d'exposition aux radiations:
SHIELD Android TV Game Console a ete testee conformemment aux normes d'exposition d'emission RF de la IC RSS 102 pour un environement non controle lors d'utilisation avec les accessoires fournis or recommendes par NVIDIA. Pendant les tests, la tablette SHIELD a ete positionnee afin de simule la presence du corps humain. L'utilisation d'accessoires autres que ceux recommendes par NVIDIA ne guarantis pas la compatibilite avec les normes d'emission RF de la IC RSS 102.

Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ou émetteur. Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre le radiateur et votre corps.

European Union

European Conformity; Conformité Européenne (CE)

BE	BG	CZ	DK	DE	EE	IE	EL	ES	FR	HR
IT	CY	LV	LT	LU	HU	MT	NL	AT	PL	PT
RO	SI	SK	FI	SE	UK	IS	LI	NO	CH	TR

This device complies with the following Directives:

- Radio Equipment Directive 2014/53/EU
- RoHS Directive 2011/65/EU
- Energy-related Products Directive (ErP) 2009/125/EC

The full text of EU declaration of conformity is available at the following internet address: www.nvidia.com/support

A copy of the Declaration of Conformity to the essential requirements may be obtained directly from NVIDIA GmbH (Bavaria Towers – Blue Tower, Einsteinstrasse 172, D-81677 Munich, Germany).

This device operates in the following frequency bands and maximum transmitted power:

Frequency Band	Max. EIRP(dBm)	Max. EIRP(mW)
2400.0 - 2483.5 MHz	20.0	100
5150.0 - 5350.0 MHz	23.0	200
5470.0 – 5725.0 MHz	23.0	200
5725.0 – 5875.0 MHz	14.0	25

Warning:

- Operation in the 5150 – 5350 MHz frequency band is restricted to Indoor Use Only.
- This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.
- Any changes or modifications to this device not expressly approved by the manufacturer could void the user's authority to operate the equipment.

A LIRE AVANT TOUTE UTILISATION D'UN JEU VIDEO PAR VOUS-MEME OU PAR VOTRE ENFANT

I. - Précautions à prendre dans tous les cas pour l'utilisation d'un jeu vidéo.

Evitez de jouer si vous êtes fatigué ou si vous manquez de sommeil.

Assurez-vous que vous jouez dans une pièce bien éclairée en modérant la luminosité de votre écran.

Lorsque vous utilisez un jeu vidéo susceptible d'être connecté à un écran, jouez à bonne distance de cet écran de télévision et aussi loin que le permet le cordon de raccordement.

En cours d'utilisation, faites des pauses de dix à quinze minutes toutes les heures.

II. - Avertissement sur l'épilepsie.

Certaines personnes sont susceptibles de faire des crises d'épilepsie comportant, le cas échéant, des pertes de conscience à la vue, notamment, de certains types de stimulations lumineuses fortes: succession rapide d'images ou répétition de figures géométriques simples, d'éclairs ou d'explosions. Ces personnes s'exposent à des crises lorsqu'elles jouent à certains jeux vidéo comportant de telles stimulations, alors même qu'elles n'ont pas d'antécédent médical ou n'ont jamais été sujettes elles-mêmes à des crises d'épilepsie. Si vous-même ou un membre de votre famille avez déjà présenté des symptômes liés à l'épilepsie (crise ou perte de conscience) en présence de stimulations lumineuses, consultez votre médecin avant toute utilisation. Les parents se doivent également d'être particulièrement attentifs à leurs enfants lorsqu'ils jouent avec des jeux vidéo. Si vous-même ou votre enfant présentez un des symptômes suivants : vertige, trouble de la vision, contraction des yeux ou des muscles, trouble de l'orientation, mouvement involontaire ou convulsion, perte momentanée de conscience, il faut cesser immédiatement de jouer et consulter un médecin.

Australia and New Zealand

Australian Communications and Media Authority

This product meets the applicable EMC requirements for Class B, I.T.E equipment and applicable radio equipment requirements

This product meets the applicable requirements for telecommunications equipment and can legally be connected to a telecommunications network.

Japan

Voluntary Control Council for Interference (VCCI)

この装置は、クラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。
取扱説明書に従って正しい取り扱いをして下さい。
VCCI－B

Radio/ Telecommunications Certification

XXX-XXXXXX

W52/ W53は屋内使用限定

Japan RoHS Material Content Declaration

日本工業規格JIS C 0950:2008により、2006年7月1日以降に販売される特定分野の電気および電子機器について、製造者による含有物質の表示が義務付けられます。

機器名称: メディアストリームコンソール

主な分類	特定化学物質記号					
	Pb	Hg	Cd	Cr(VI)	PBB	PBDE
メディアストリームコンソール	除外項目	0	0	0	0	0
電源	除外項目	0	0	0	0	0
ケーブル/コネクター	除外項目	0	0	0	0	0
プロセッサー	除外項目	0	0	0	0	0
システムメモリ	除外項目	0	0	0	0	0
プリント基板	除外項目	0	0	0	0	0
機械部品	除外項目	0	0	0	0	0
はんだ付け材料	0	0	0	0	0	0
フラックス、クリームはんだ、ラベル、その他消耗品	0	0	0	0	0	0

注:

1.「0」は、特定化学物質の含有率が日本工業規格JIS C 0950:2008に記載されている含有率基準値より低いことを示します。

2.「除外項目」は、特定化学物質が含有マークの除外項目に該当するため、特定化学物質について、日本工業規格JIS C 0950:2008に基づく含有マークの表示が不要であることを示します。

3.「0.1wt%超」または「0.01wt%超」は、特定化学物質の含有率が日本工業規格JIS C 0950:2008 に記載されている含有率基準値を超えていることを示します。

A Japanese regulatory requirement, defined by specification JIS C 0950: 2008, mandates that manufacturers provide Material Content Declarations for certain categories of electronic products offered for sale after July 1, 2006.

Product Model Number: Media Streaming Console

Major Classification	Symbols of Specified Chemical Substance					
	Pb	Hg	Cd	Cr(VI)	PBB	PBDE
Media Streaming Console	Exempt	0	0	0	0	0
Power adapter	Exempt	0	0	0	0	0
Cables/Connectors	Exempt	0	0	0	0	0
Processor	Exempt	0	0	0	0	0
System memory	Exempt	0	0	0	0	0
PCA	Exempt	0	0	0	0	0
Mechanicals	Exempt	0	0	0	0	0
Soldering material	0	0	0	0	0	0
Flux, Solder Paste, label and other consumable materials	0	0	0	0	0	0

Notes:

1. “0” indicates that the level of the specified chemical substance is less than the threshold

level specified in the standard, JIS C 0950: 2008.

2. "Exempt" indicates that the specified chemical substance is exempt from marking and it is not required to display the marking for that specified chemical substance per the standard, JIS C 0950: 2008.

3. "Exceeding 0.1wt%" or "Exceeding 0.01wt%" is entered in the table if the level of the specified chemical substance exceeds the threshold level specified in the standard, JIS C 0950: 2008.

South Korea

Radio Research Agency (RRA)

Korean Agency for Technology and Standards (KATS)

R-R-NVA-P3430

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Korea RoHS Material Content Declaration

확인 및 평가 양식은 제품에 포함 된 유해 물질의 허용 기준의 준수에 관한				
문 준비	상호 :	앤비디아홍콩홀딩즈리미티드(영업소)	법인등록번호	110181- 0036373

	대표자성명	카렌테레사번즈	사업자등록번호:	120-84-06711
	주소	서울특별시 강남구 영동대로 511, 2101호 (삼성동, 코엑스무역타워)		

제품 내용			
제품의 종류	해당없음	제품명(규격)	해당없음
세부모델명(번호):	해당없음	제품출시일	해당없음
제품의 중량	해당없음	제조, 수입업자	앤비디아

엔비디아의 그래픽 카드제품은 전기 전자제품 및 자동차의 자원순환에 관한 법률 시행령 제 11조 제 1항에 의거한 법 시행행규칙 제 3조에에따른 유해물질함유 기준을 확인 및 평가한 결과, 이를 준수하였음을 공표합니다.

구비서류 : 없음
작성방법

① 제품의 종류는 "전기.전자제품 및 자동차의 자원순환에관한 법률 시행령" 제 8조 제 1항 및 제 2항에 따른 품목별로 구분하여 기재합니다.

② 전기 전자 제품의 경우 모델명 (번호), 자동차의 경우, 제원관리번호를 기재합니다.

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Confirmation and Evaluation Form Concerning the Adherence to Acceptable Standards of Hazardous Materials Contained in Products

Statement Prepared by	Company Name:	Nvidia HongKong Holding Ltd.Korea branch	Corporate Identification Number:	110181-0036373
	Name of Company Representative:	Karen Theresa Burns	Business Registration Number:	120-84-06711
	Address	2788 San Tomas Expressway, Santa Clara, CA 95051		

Product Information			
Product Category:	N/A	Name of Product:	N/A

Detailed Product Model Name (Number):	N/A	Date of first market release:	N/A
Weight of Product:	N/A	Manufacturer and/or Importer:	NVIDIA Corporation
This for is publicly certify That NVIDIA Company has undergone the confirmation and evaluation procedures for the acceptable amounts of hazardous materials contained in graphic card according to the regulations stipulated in Article 3 of the 'Status on the Recycling of Electrical and Electronic Products, and Automobiles' and that company has graphic card adhered to the Enforcement Regulations of Article 11, Item 1 of the statute.			
Attachment: None ＊Preparing the Form ① Please indicate the product category according to the categories listed in Article 8, Items 1and 2 of the ' Enforcement Ordinance of the Statute on the Recycling of Electrical, Electronic and Automobile Materials' ② For electrical and electronic products, please indicate the Model Name (and number). For automobiles, please indicate the Vehicle Identification Number. ③ Please indicate the name of manufacturer and/or importer of the product.			

Taiwan

National Communications Commission

國家通訊傳播委員會

XXXXXXXXXXXXX

注意！

依據 低功率電波輻射性電機管理辦法

第十二條

經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條

低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前項合法通信，指依電信法規定作業之無線電通信。

低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

在5.250~5.350GHz頻帶內操作之無線資訊傳輸設備，限於室內使用

Russia/Kazakhstan/Belarus

Customs Union Technical Regulations (CU TR)

This device complies with the technical regulations of the Customs Union (CU TR)

This device complies with the rules set forth by Federal Agency of Communications and the Ministry of Communications and Mass Media Federal Security Service notification has been filed.

Federal Security Service notification has been filed.

Singapore

Infocomm Media Development Authority of Singapore (IMDA)

Complies with IMDA Standards DA00006A

Bluetooth

Declaration ID: D046888

Wi-Fi ALLIANCE®

Wi-Fi CERTIFIED™

Certification ID: WFA91178

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