

JioTV Go, an exciting project that allows you to stream Live TV channels on the web and IPTV. It's a web wrapper around the JioTV Android app, utilizing the same API to fetch and stream channels.

# Features 💥



- **M**3U playlist support for IPTV.
- To EPG (Electronic Program Guide) support in compressed GZipped XML or JSON format.
- 🕰 Quality selection (Low, Medium, High) supported.
- © Configurable port and host.
- Authentication options using Jio ID/Number with password or Jio number with OTP.
- Additional Sony channels from SonyLiv for convenience.
- **1** Support for multiple clients simultaneously.
- # Written in Go, ensuring it's fast, lightweight, and portable.
- E Command-line interface for server management and self-update.
- Background start and stop feature.

Get Started with JioTV Go by following the Get Started guide.

# Community 🤝

Stay up to date on JioTV Go's development and connect with the community for questions and support.

- Telegram Announcement Channel: https://t.me/jiotv\_go
- Telegram Group: https://t.me/jiotv\_go\_chat

# **Get Started with JioTV Go**

### Installation

### **Automatic Installation (Recommended)**

We have video tutorials for Windows, and Android users. Please watch them if you are unsure about the installation process.

#### Linux/Android/macOS

Here's a one-liner to download and install the latest version of JioTV Go on Linux/Android/macOS.

Simply copy and paste the following command in your terminal and press Enter:

```
curl -fsSL https://jiotv_go.rabil.me/install.sh | bash
```

The above command will download the latest version of JioTV Go and install it in your system.

**Termux** users, if you get an errors, first update pkg index and install curl, openssl packages by running the following command:

```
pkg update
pkg install curl openssl
```

i See the Docker Setup section for Docker installation instructions.

#### **Windows**

Here's a one-liner to download and install the latest version of JioTV Go on Windows.

Simply copy and paste the following command in your PowerShell terminal and press Enter:

iwr -useb https://jiotv\_go.rabil.me/install.ps1 | iex

### **Pre-Built Binaries**

You can also download the pre-built binaries for your platform from the releases page or click on Binary Name links in the table below.

### The following table lists the binaries available for download:

OS Name	Architecture (AKA)	Binary Name
Android	arm64 (aarch64)	jiotv_go-android-arm64
Android	amd64 (x86_64)	jiotv_go-android-amd64
Android	arm	jiotv_go-android-arm
Linux	arm64 (aarch64)	jiotv_go-linux-arm64
Linux	amd64 (x86_64)	jiotv_go-linux-amd64
Linux	arm	jiotv_go-linux-arm
Linux	386 (x86, i686)	jiotv_go-linux-386
Windows	386 (x86, i686)	jiotv_go-windows-386.exe
Windows	amd64 (x86_64)	jiotv_go-windows-amd64.exe
Windows	arm64 (aarch64)	jiotv_go-windows-arm64.exe
Darwin (macOS)	amd64 (x86_64)	jiotv_go-darwin-amd64
Darwin (macOS)	arm64 (aarch64)	jiotv_go-darwin-arm64

### **Identifying your OS and Architecture**

If you are unsure about your OS and Architecture, you can use the following commands to identify them:

#### Linux / Anroid / macOS

Execute the following command in your terminal:

uname -m

For Android, you can use any terminal emulator app. For example, Termux or UserLAnd. We recommend UserLAnd with Alpine as it emulates a Linux environment.

### Windows (PowerShell)

Run the following command in your PowerShell terminal:

(Get-WmiObject Win32\_OperatingSystem).OSArchitecture

Then, look for your architecture in the above table.



Windows users, if you are unsure on the next steps, after downloading the binary, please read the Using JioTV Go on Windows page.

### **Build from Source**

Refer the guide in Development page.

# **Docker Setup**

Make sure you have Docker installed on your system.

### Run JioTV Go with Docker

Run the command:

```
docker run -p 5001:5001 -v ./.jiotv_go/secrets:/app/secrets
ghcr.io/rabilrbl/jiotv_go
```

Open your web browser and visit http://localhost:5001/.

### **Using CLI Options with Docker**

By default, JioTV Go Docker image runs with serve --public command. You can override this by passing the command as an argument to the docker run command.

For example, to run JioTV Go with serve --public --port 8080 command, run:

```
docker run -p 8080:8080 -v ./.jiotv_go:/app/.jiotv_go
ghcr.io/rabilrbl/jiotv_go serve --public --port 8080
```

# **Keep JioTV Go Updated**

To update to the latest version, run:

docker pull ghcr.io/rabilrbl/jiotv\_go:latest

- Also read the Usage page for more information.
- See the Config page for more information about the configuration options.

# **Usage**

JioTV Go is a command-line application. It can be used to start the server, update JioTV Go and control certain aspects of the server.

### **Command Line Interface**

The jiotv\_go CLI has the following structure:

```
jiotv_go command [command options]
```

### **Commands**

You can always use the help command or -h / --help flag to get help about a command.

# 1. Login Command

The login command helps you to login to JioTV Go. Alternatively, you can also login using the web interface at http://localhost:5001/.

```
jiotv_go login [command options] [arguments...]
```

#### **USAGE**

jiotv\_go login [command options] [arguments...]

### **DESCRIPTION**

The login command helps you to login to JioTV Go. It will ask for your JioTV credentials and save it to jiotv\_credentials\_v2.json file.

If you want to change your credentials, you can use the login command again. It will overwrite the existing credentials.

#### **COMMANDS**

- otp, o: Login with OTP
- password, p: Login with Password
- reset, logout, lo: Reset credentials. This will delete the existing credentials.
- help, h: Shows a list of commands or help for one command

### otp (o)

#### **USAGE**

jiotv\_go login otp

#### **DESCRIPTION**

The otp command helps you to login to JioTV Go with OTP. It will ask for your JioTV number and send an OTP to your number. You have to enter the OTP to login.

### password (p)

#### **USAGE**

jiotv\_go login password

#### **DESCRIPTION**

The password command helps you to login to JioTV Go with password. It will ask for your JioTV number and password to login.

# reset (logout, lo)

#### **USAGE**

jiotv\_go login reset

#### **DESCRIPTION**

The reset command helps you to reset your credentials. This will delete the existing credentials. You have to login again to use JioTV Go.

### 2. Serve Command

The serve command starts the JioTV Go server.

```
jiotv_go serve [command options] [arguments...]
```

### **Options:**

- --config value, -c value: Path to the configuration file.
   By default, JioTV Go will look for a file named jiotv\_go.(toml|yaml|json) or config.(toml|yaml|json) in the same directory as the binary or \$HOME/.jiotv\_go/ directory.
- --host value, -H value: Host to listen on (default: "localhost").
- --port value, -p value: Port to listen on (default: "5001").
- --public, -P: Open the server to the public. This will expose your server outside your local network. Equivalent to passing --host 0.0.0.0 (default: false).
- --prefork: Enable prefork. This will enable preforking the server to multiple processes. This is useful for production deployment (default: false).
- --skip-update-check: Skip checking for updates on startup (default: false).
- --help, -h: Show help for the serve command.

### **Example:**

This will start the server on port 8080 and open it to the public.

```
jiotv_go serve --port 8080 --public
```

i Use of the --public flag is not recommended. It exposes your server outside your local network. Use it only if it is necessary for you in some cases where you want to access JioTV Go server in your phone to TV or other devices.

# 3. Update Command

The update command updates JioTV Go to the latest version.

```
jiotv_go update
```

### **Options:**

• --version, -v: Never use this flag, unless you know what you are doing. This will update JioTV Go to the specified version. This is useful for testing new features before release or to downgrade to a previous version. Supports all JioTV Go version above v3.0.0.

### 4. EPG Command

The epg command helps you to manage the EPG feature of JioTV Go.

```
jiotv_go epg [command options] [arguments...]
```

#### **USAGE**

jiotv\_go epg command [command options]

#### **DESCRIPTION**

The epg command manages EPG. It can be used to generate EPG, regenerate EPG, and delete EPG.

#### **COMMANDS**

- generate, gen, g: Generate EPG
- Delete, del, d: Delete EPG
- help, h: Shows a list of commands or help for one command

### generate (gen, g)

#### **USAGE**

jiotv\_go epg generate [command options] [arguments...]

#### **DESCRIPTION**

The generate command generates EPG by downloading the latest EPG from JioTV, and saving it to epg.xml.gz.

It will delete the existing EPG file if it exists. Once the EPG file is generated, it will be automatically updated by the server. If you want to disable it, use the <code>epg delete</code> command.

This is also shortcut method for enabling EPG than setting epg to true in the configuration file. Read the EPG Config section for more information.

### delete (del, d)

#### **USAGE**

jiotv\_go epg Delete [command options] [arguments...]

#### **DESCRIPTION**

The delete command deletes the existing EPG file if it exists. This will disable EPG on the server.

# 5. Help Command

The help command shows a list of commands or help for a specific command.

```
jiotv_go help [command]
```

### **Example:**

```
jiotv_go help serve
```

### 6. Autostart Command for Unix

The autostart command helps you to setup JioTV Go to start automatically when terminal starts.

This is not recommended for devices other than Android Phone or TV.

```
jiotv_go autostart
```

### **Options:**

• -a value, --args value: Options for the serve / run / start command as mentioned in the Serve Command section.

If you want to arguments for the serve / run / start command, you can pass -a flag enclose all the arguments in quotes.

For example if you want to run at port 8080 and pass a configuration file, you can use the following command:

```
jiotv_go autostart -a "--port 8080 --config config.toml"
```



Auto detection of config files will only work if binary is in the same directory as the config file.

# 7. Background Command

The background command allows you to run the JioTV Go server in the background. It provides subcommands for starting and stopping the server in the background.

Tip: bg is an alias for background.

#### **USAGE**

```
jiotv_go background [command options] [arguments...]
```

#### **DESCRIPTION**

The background command allows you to run the JioTV Go server in the background. It provides subcommands for starting and stopping the server in the background.

#### **COMMANDS**

• start (run, r): Run JioTV Go server in the background

```
jiotv_go background start [command options] [arguments...]
```

--args value, -a value: String value arguments passed to the serve/run command while running in the background as mentioned in the Serve Command section.

Description: The start command starts the JioTV Go server in the background. It runs the JioTVServer function in a separate process.

• stop (k, kill): Stop JioTV Go server running in the background

```
jiotv_go background stop
```

Description: The stop command stops the JioTV Go server running in the background. It will only work if the server is started using the background start command.

### **Example:**

```
jiotv_go background start
```

Example with arguments (make sure to enclose the arguments in quotes):

```
jiotv_go background start --args "--port 8080 --config config.toml"
```

#### Note:

 Make sure to stop the background server using the stop command when it is no longer needed.

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# **Support and Issues**

For any issues or feature requests, please check the **GitHub repository** or create a new issue.

**Note:** Ensure that you have the necessary permissions and follow the terms of service when using JioTV Go.

# **Guide to Run JioTV Go on Android**

This guide will walk you through the process of downloading the Go binary from GitHub Releases and running it on your Android device using two different methods: Termux and UserLand.

# **Method 1: Using Termux**

### **Step 1: Install Termux**

Download latest version of Termux installed from F-Droid or GitHub Release.

Play store version of Termux is not recommended as it is outdated and can cause issues.

### **Step 2: Install Dependencies**

- 1. Open Termux.
- 2. Run the following command to update pkg index:

pkg update

This will take some time.

3. Next, Install wget and openssl by running the following commands:

pkg install curl openssl



After this, we recommend following the easy method, use automatic install script to install JioTV Go on Android.

If you want to install manually, follow the steps below:

### **Step 3: Download JioTV Go Binary**

4. Identify your architecture by running the following command:

```
uname -m
```

Now look for the architecture in the table. Long press on binary name and click on Copy Link Address.

4. Paste the link in the following command and run it:

```
curl -LO jiotv_go --progress-bar
"https://github.com/rabilrbl/jiotv_go/releases/latest/download/jiotv_go-
android-{arch}"
```

If you are using above URL, replace {arch} with your architecture.

### Step 4: Make the binary executable and run it

5. Make the binary executable by running the following command:

```
chmod +x jiotv_go
```

6. Execute the binary by running the following command:

```
./jiotv_go [commands]
```

See the Usage page for more information about commands.

If you want to run from any directory, without ./ prefix, then you can move the binary to \$PREFIX/bin directory by running the following command:

```
mv jiotv_go $PREFIX/bin
```

Now you can run the binary from any directory without ./ prefix.

```
jiotv_go [commands]
```

# **Method 2: Using UserLand (Linux Environment)**

### Step 1: Install UserLand

- 1. Download UserLand from Google Play Store or F-Droid and install it on your Android device.
- 2. Open UserLand and choose Alpine with Terminal.
- 3. Wait for the setup to complete.

### **Step 2: Install Dependencies**

1. Install wget and openssl by running the following commands:

apk update && apk add curl



Remember UserLand has a linux environment, hence you need to use linux binaries.

After this, we recommend following the easy method, use automatic install script to install JioTV Go on Linux.

If you want to install manually, follow the steps below:

## Step 3: Download JioTV Go Binary

2. Identify your architecture by running the following command:

uname -m

Now look for the linux binaries with architecture in the table. Long press on binary name and click on Copy Link Address. Do not use Android binaries, as they will not work in UserLand.

3. Paste the link in the following command and run it:

```
curl -LO jiotv_go --progress-bar
"https://github.com/rabilrbl/jiotv_go/releases/latest/download/jiotv_go-
linux-{arch}"
```

If you are using above URL, replace {arch} with your architecture.

### Step 4: Make the binary executable and run it

4. Make the binary executable by running the following command:

```
chmod +x jiotv_go
```

5. Execute the binary by running the following command:

```
./jiotv_go [commands]
```

See the Usage page for more information about commands.

If you want to run from any directory, without ./ prefix, then you can move the binary to /usr/bin directory by running the following command:

```
mv jiotv_go /usr/bin
```

Now you can run the binary from any directory without ./ prefix.

```
jiotv_go [commands]
```

### **Conclusion:**

You've successfully installed and run JioTV Go on your Android device using either Termux or UserLand. Enjoy your favorite TV shows and channels!

# **Android TV**

JioTV Go is a web application that can be used on Android TV. This page provides information about how to use JioTV Go on Android TV.

You can use Termux or UserLand to run JioTV Go on Android TV.



We recommend you use automatic install script to install JioTV Go on Android TV.

However, if you want to install manually, refer manual installation guide for Android from Step 3.

After setting up JioTV Go on your Android TV, first login using the web interface at <a href="http://localhost:5001/">http://localhost:5001/</a>, then you can setup a IPTV App on your Android TV to access JioTV Go.

We recommend TiviMate IPTV Player for this purpose or OTT Navigator IPTV for this purpose.

# Running JioTV Go on Android Phone and Accessing it on Android TV

You can run JioTV Go on your Android phone and access it on your Android TV. This is useful if you don't have a keyboard or mouse to control JioTV Go on your Android TV.

Once you have installed JioTV Go on your Android phone, to access it on TV, Read the Accessing JioTV Go from another device section in the FAQ page for more information.

Access JioTV Go on your Android TV at http://{ip\_address}:5001/. Replace {ip\_address} with the IP address of your Android phone.

# **Running JioTV Go on Android TV**

### **Using UserLand**

Download UserLand from Google Play Store or F-Droid and install it on your Android TV.

You can use UserLand to run JioTV Go on your Android TV. Choose the Alpine image when setting up UserLand. Then follow the Linux instructions to setup JioTV Go.

### **Using Termux**

You can use Termux to run JioTV Go on your Android TV. Follow the Linux instructions to setup JioTV Go at Android.

# **Auto Start JioTV Go on Android TV**

We recommend you using this app from Siddharth called Sparkle-TV2 to auto start JioTV Go on Android TV. Download the APK from the releases page and install it on your Android TV.

Other apps that you can use to auto start JioTV Go on Android TV:

- Termux:Boot
- AutoStart

# **Third-party EPG Providers**

If you are having issue with EPG in Android TV, please see if you can resolve it by egp command. If you are still having issue, you can use third-party EPG providers.

The current implementation of EPG generation is not optimised for Android TV.

Use a third party EPG as mentioned here

https://avkb.short.gy/jioepg.xml.gz

The above link is from mitthu786. GitHub Link: https://github.com/mitthu786/tvepg

This will not only be easy on your poor tiny compute machine. It is recommended as you will not get any issues or problems.

EPG generation requires up to thousand http requests in total and 20 http requests per second. So you do the math and plus at last it requires a huge amount of memory and CPU for compression to a 3MB file.

There might be other EPG providers. You can search for them on the internet.

# Using mouse and keyboard on Android TV

For mouse and keyboard control such as using Ctrl key, etc. You can use any application that allows you to use mouse and keyboard on Android TV.

Here are some applications that you can use from your Android phone to control your Android TV:

- Bluetooth Mouse and Remote
- Zank Remote

# **Using JioTV Go on Windows**

Welcome to JioTV Go, your gateway to a seamless TV streaming experience on Windows! Follow these straightforward steps to get started without delving into technical complexities:



Use automatic install script to install JioTV Go on Windows.

If you want to install manually, follow the steps below:

### **Manual Installation**

We assume that you have already downloaded the latest release of JioTV Go for Windows. If not, please download it before proceeding.

### Step 1: Open JioTV Go Folder

Locate the folder where you downloaded JioTV Go. Here are three easy ways to open the terminal in that directory:

- **Option 1:** Open the folder and type cmd in the address bar.
- **Option 2:** Right-click the folder while holding Shift and select "Open Terminal Here."
- **Option 3:** Open Windows Terminal, type cd, add a space, and then drag and drop the JioTV Go folder into the terminal.

### Step 2: Launch JioTV Go

Run the following command in the terminal:

```
.\jiotv_go-windows-{arch}.exe serve
```

Remember to replace  $\{arch\}$  with your architecture. For example, if your architecture is  $x86\_64$ , use the following command:

.\jiotv\_go-windows-amd64.exe serve

Unsure about your architecture? Check out the Identify your architecture section on the Get Started page for guidance.

That's it! You're now ready to enjoy JioTV Go on your Windows system hassle-free. If you encounter any issues or have questions, refer to our user-friendly documentation or reach out to our support team for assistance. Happy streaming!

# Running JioTV Go on Linux and macOS

Once you have downloaded the latest release of JioTV Go, follow these steps to run it seamlessly on Linux and macOS:

### **Automatic Install**

### 1. Open Terminal:

• Launch the terminal on your Linux or macOS system.

Use automatic install script to install JioTV Go on Linux and macOS.

# **Manual Install**

If you want to install manually, follow the steps below:

### 1. Navigate to Downloaded Directory:

o Move to the directory where you have downloaded JioTV Go.

#### 2. Make the File Executable:

Execute the following command to make the file executable:

```
chmod +x jiotv_go-linux-{arch}
```

Replace {arch} with your architecture. For example, if your architecture is amd64, use the command:

```
chmod +x jiotv_go-linux-amd64
```

If you are unsure about your architecture, check the Identify your architecture section in the Get Started page.

#### 3. Run JioTV Go:

• Start JioTV Go by running the following command:

```
./jiotv_go-linux-{arch} serve
```

#### 4. Access the Server:

• Open your web browser and go to http://localhost:5001/ to access JioTV Go.

# JioTV Go as a systemd service (Autostart)

This guide walks you through setting up JioTV Go systemd services on Linux.

Ensure jiotv\_go is installed. If necessary modify the service file ExecStart lines to point to alternative paths.

### 1. Create a service specific user

For security it is best to run a service with a specific user and group. You can create one using the following command:

```
sudo adduser --system --gecos "JioTV Go Service" --disabled-password --
group --home /var/lib/jiotv_go jiotv_go
```

This creates a new system user and group named <code>jiotv\_go</code> with no login access and home directory <code>/var/lib/jiotv\_go</code> which will be the default location for the config files.

In addition you can add to the jiotv\_go group any users you wish to be able to easily manage or access files, for example:

```
sudo adduser <username> jiotv_go
```

## 2. Daemon (jiotv\_go) service

Create the file /etc/systemd/system/jiotv\_go.service containing the following:

```
[Unit]
Description=JioTV Go Client Daemon
After=network-online.target

[Service]
Type=simple
UMask=007

ExecStart=/usr/bin/jiotv_go serve -P

Restart=on-failure

# Time to wait before forcefully stopped.
TimeoutStopSec=300

[Install]
WantedBy=multi-user.target
```

The ExecStart line needs to point to the exact installation path of the jiotv\_go program.

Note: Please make appropriate changes to the ExecStart line, the current one serves to the public.

# 3. User configuration

To run the service using the previously created user e.g. <code>jiotv\_go</code>, first create the service configuration directory:

```
sudo mkdir /etc/systemd/system/jiotv_go.service.d/
```

Then create a user file /etc/systemd/system/jiotv\_go.service.d/user.conf with the following contents:

```
# Override service user
[Service]
User=jiotv_go
Group=jiotv_go
```

# 4. Start jiotv\_go service

Now enable it to start up on boot, start the service and verify it is running:

```
sudo systemctl enable /etc/systemd/system/jiotv_go.service
sudo systemctl start jiotv_go
sudo systemctl status jiotv_go
```

Enjoy your JioTV Go streaming experience on Linux and macOS! If you encounter any issues or have questions, refer to the Support and Issues section in the user guide or visit the GitHub repository.

# **IPTV Guide for JioTV Go**

This is not an installation guide. If you are looking for installation instructions, For Android TV, see Android TV. For Android Phones, see Android. For Linux, see Linux. For Windows, see Windows.

Explore the possibilities of integrating JioTV Go into your IPTV setup with these simple steps. Whether you're interested in generating playlists, setting up an Electronic Program Guide (EPG), or exploring catch-up options, we've got you covered.

# **Generate M3U Playlist**

JioTV Go offers a convenient M3U playlist endpoint to enhance your IPTV experience. Simply follow these steps:

1. Copy and paste the following URL into your IPTV player:

```
http://localhost:5001/playlist.m3u
```

2. If you desire a specific quality, append the q= query parameter:

```
http://localhost:5001/playlist.m3u?q=high
```

Available options for q include low, medium, high, or their shorthand forms l, m, h.

3. If you would like split category on M3U playlist, append the c=split query parameter:

```
http://localhost:5001/playlist.m3u?c=split
```

This will split the playlist into categories like Movie - Kannada, Movie - Malayalam, News - English, etc.

4. If you would like to filter only specific languages on M3U playlist, append the l=Tamil, English, Malayalam (comma-separated) query parameter:

```
http://localhost:5001/playlist.m3u?l=Tamil,English,Bengali
```

This will filter only the specified languages (Tamil, English and Bengali).

The playlist will be split into categories like Movies, Enterntainment, News, Music, etc. but will only contain channels in the specified languages.

Available Languages to filter Hindi, Marathi, Punjabi, Urdu, Bengali, English, Malayalam, Tamil, Gujarati, Odia, Telugu, Bhojpuri, Kannada, Assamese, Nepali, French, Other

5. If you would like to group the M3U playlist by language only, append the c=language query parameter:

```
http://localhost:5001/playlist.m3u?c=language
```

This will group the playlist by language only, like Hindi, Kannada, Marathi, etc.

Please note that either c=split or c=language can be used at a time.

For both specific quality and split category, append the q= and c= query parameters:

```
http://localhost:5001/playlist.m3u?q=high&c=split
```

You can also combine the language grouping and language filtering:

```
http://localhost:5001/playlist.m3u?c=language&l=Hindi,Kannada,Marathi
```

# **Electronic Program Guide (EPG)**

Take advantage of JioTV Go's Electronic Program Guide to enrich your IPTV setup. Follow these steps:

#### 1. Enable EPG:

 Set the epg config value to true. For detailed instructions, refer to the Config page. Or you can also use the epg generate command. For additional details, consult the EPG Command section.

### 2. Access EPG in Your IPTV Player:

- Once enabled, wait a few minutes for EPG generation.
- Use the following URL in your IPTV player:

```
http://localhost:5001/epg.xml.gz
```

EPG updates every 24 hours, providing program information for a 2-day duration.

#### 3. Disable EPG:

- If you have enabled EPG via configuration, set the epg config value to false.
- Then run

```
jiotv_go epg delete
```

This will delete the existing EPG file if it exists and disable EPG on the server.

# **Buffering issues on IPTV Players**

If you are facing buffering issues on IPTV players, try enforcing a specific quality.

If I want to use the high quality, I will use the following URL:

```
http://localhost:5001/playlist.m3u?q=high
```

Where q can be low, medium, high, or l, m, h.

If your internet speed is low, you can use the medium or low quality.

# Catchup

Please note that JioTV Go currently does not support catch-up functionality. If you possess the expertise to implement this feature, we welcome your contribution! Open a pull request, and we appreciate your valuable input.

Enjoy the seamless integration of JioTV Go into your IPTV setup. For any queries or assistance, refer to our user-friendly documentation or connect with our community on Telegram. Happy streaming!

# **JioTV Go Server URL Paths**

This section provides information about the various web paths that JioTV Go offers. These paths allow you to interact with and access different features of the application.

### **Web Paths**

### Index

• Path: /

The gateway to the Home Page, where your JioTV Go adventure begins.

### **Player Page**

• Path: /play/:channel\_id

Dive into the world of specific channels with the provided channel\_id.

### FlowPlayer IFrame Player

• Path: /player/:channel\_id

Immerse yourself with the default player (Flowplayer) for the specified channel\_id.

# **Clapper IFrame Player**

• Path: /clappr/:channel\_id

Experience the magic of the Clappr player for the specified channel\_id.

# JioTV Go API Endpoints

This section provides information about the API endpoints that JioTV Go offers. These endpoints allow you to interact with and access different features of the application.

# **API Endpoints**

#### **Send OTP**

• Path: /login/sendOTP Request an OTP to log in to JioTV.

### **Verify OTP**

• **Path**: /login/verifyOTP Verify the OTP and log in to JioTV.

### **Login with Password**

• **Path**: /login Log in to JioTV with password authentication. Either pass the username and password as query parameters or as JSON in the post request body.

#### **Get Channels data**

• Path: /channels Discover the complete list of available channels in JSON format.

# **TV Endpoints**

### **M3U Playlist Alias**

• Path: /playlist.m3u

Instantly obtain an M3U playlist for IPTV.

(Redirects to /channels?type=m3u for your convenience.)

You can append q=<level> to the path where <level> should be replaced with low, medium, high, or l, m, h to set the quality of the stream. The default quality is auto.

You can also append &c=split to the path to have categories based on both language and genre. Example categories: Hindi - Entertainment, English - News, Tamil -

Sports, etc.

### **M3U Playlist**

• Path: /channels?type=m3u

The actual path for the M3U playlist. You can append &q=<level> to the path as above. You can also append &c=split to the path as above.

#### M3U8 URL

• Path: /live/:channel\_id

M3U8 stream file for the specified channel\_id.

### M3U8 URL with Quality

• Path: /live/:quality/:channel\_id

M3U8 stream file for the specified channel\_id with the specified quality. The quality can be low, medium, high, Or l, m, h.

Explore these paths and endpoints to access the features and content offered by JioTV Go. They provide the foundation for interacting with the application and enjoying the available channels and streams.

# Config

The config package provides configuration settings for JioTV Go, a server that serves JioTV API content. This documentation outlines the available configuration.

i You can set following configuration options using either config file (toml, yaml and json) or environment variables. We recommend using toml config file as it is easier to manage. See Example Configuration for more details.

# **Configuration Options**

### **EPG (Electronic Program Guide):**

Purpose	Config Value	Environment Variable	Default
Enable or disable EPG generation.	epg	JIOTV_EPG	false

An EPG is an electronic program guide, an interactive on-screen menu that displays broadcast programming television programs schedules for each channel. It is generated from the JioTV API.

### **Debug Mode:**

Purpose	Config Value	Environment Variable	Default
Enable or disable debug mode.	debug	JIOTV_DEBUG	false

Debug mode enables additional logging and debugging features for developers. It is recommended to disable debug mode if you are not a developer.

### TS Handler:

Purpose	Config Value	Environment Variable	Default
Enable			
or			
disable	disable_ts_handler	JIOTV_DISABLE_TS_HANDLER	false
TS			
Handler.			

TS Files are the video files that are streamed by the JioTV API.

By setting disable\_ts\_handler to true, server takes less load.

If disable\_ts\_handler is true, then TS files will be served directly from Jio API.

Otherwise the request is sent through the server as an intermediary.

### **Logout Feature:**

Purpose	Config Value	Environment Variable	Default
Enable or disable the logout feature.	disable_logout	JIOTV_DISABLE_LOGOUT	false

Simply put, the logout feature allows you to log out of your JioTV account in the web interface. Disabling this feature will make the logout button in the web interface non-functional.

### **DRM (Digital Rights Management):**

Purpose	Config Value	Environment Variable	Default
Enable or disable DRM.	drm	JIOTV_DRM	false

DRM is a method of restricting access to copyrighted. The latest version of JioTV App uses DRM. For future compatibility, I have added this feature.

Currently, the DRM is only supported by the web interface. It is not supported by the IPTV playlist.

### Title:

Purpose	Config Value	Environment Variable	Default
Title of the webpage.	title	JIOTV_TITLE	JioTV Go

The title is displayed in the browser tab and the web interface.

### **URL Encryption:**

Enable or disable URL encryption.

Purpose	Config Value Environment Variable	
Enable or disable URL encryption.	disable_url_encryption	JIOTV_DISABLE_URL_ENCRYPTION

URL encryption prevents hackers from injecting URLs into the server. If you think it is unnecessary, you can disable it. But it is recommended to enable it.

### **Path Prefix:**

Purpose	Config Value	Environment Variable	Default
Folder path for all JioTV Go related files.	path_prefix	JIOTV_PATH_PREFIX	\$HOME/.jiotv_go

All JioTV Go related files are stored in this folder. This includes the IPTV playlist, the EPG, and the credentials file.

# **Proxy:**

Purpose	Config Value	Environment Variable	Default
Proxy URL.	proxy	JIOTV_PROXY	1111

Useful for bypassing geo-restrictions and IP restrictions for JioTV API.

If you want to use a proxy, set this config before you run the binary. Examples include For Socks5 Proxy: value will be socks5://user:pass@host:port . All Other Proxy (user:pass@host:port).

If your proxy does not require authentication, you can omit the user:pass@ part.

# **Example Configurations**

Below are example configuration file for JioTV Go. All fields are optional, and the values shown are the default settings:

You can also specify the path to the configuration file using the --config flag.

### **Example TOML Configuration**

You can save the following configuration in a file named <code>jiotv\_go.toml</code>. JioTV Go will automatically load the configuration from this file if it is present in the same directory as the binary.

The file is also available at configs/jiotv\_go-config.toml.

Omit the lines with # as they are comments. They are only for explanation purposes.

```
# Example config file for JioTV Go
# All fields mentioned below are optional.
# Enable Or Disable EPG Generation. Default: false
epg = false
# Enable Or Disable Debug Mode. Default: false
debug = false
# Enable Or Disable TS Handler. While TS Handler is enabled, the server
will serve the TS files directly from JioTV API. Default: false
disable_ts_handler = false
# Enable Or Disable Logout feature. Default: true
disable_logout = false
# Enable Or Disable DRM. As DRM is not supported by most of the players,
it is disabled by default. Default: false
drm = false
# Title of the webpage. Default: JioTV Go
title = ""
# Enable Or Disable URL Encryption. URL Encryption prevents hackers from
injecting URLs into the server. Default: true
# If you think it is unnecessary, you can disable it. But it is
recommended to enable it.
disable_url_encryption = false
# Folder Path for all JioTV Go related files. Default: "$HOME/.jiotv_go"
path_prefix = ""
# Proxy URL. Proxy is useful to bypass geo-restrictions and ip-
restrictions for JioTV API. Default: ""
proxy = ""
```

This example demonstrates how to customize the configuration parameters using TOML syntax. Feel free to modify the values based on your preferences and requirements.

## **Example YAML Configuration**

You can save the following configuration in a file named jiotv\_go.yaml.

The file is also available at configs/jiotv\_go-config.yaml.

```
epg: false
debug: false
disable_ts_handler: false
disable_logout: false
drm: false
title: ""
disable_url_encryption: false
path_prefix: ""
proxy: ""
```

## **Example JSON Configuration**

You can save the following configuration in a file named jiotv\_go.json.

The file is also available at configs/jiotv\_go-config.json.

```
"epg": false,
  "debug": false,
  "disable_ts_handler": false,
  "disable_logout": false,
  "drm": false,
  "title": "",
  "disable_url_encryption": false,
  "path_prefix": "",
  "proxy": ""
}
```

## **Cloud Hosting**

JioTV Go can't be hosted on a typical web hosting service as JioTV API has georestrictions (India only) and IP-restrictions (Residential IPs only). This means that you can't host JioTV Go on a VPS or a cloud server. However, you can host it on your home server or a Raspberry Pi.

You can host JioTV Go on a VPS or a cloud server if you use a residential proxy. However, residential proxies are expensive and not worth it.

## **Residential Proxy**

You can use a residential proxy to bypass the geo-restrictions and IP-restrictions.

In the proxy config page, you can set the proxy config value to the proxy URL or set the JIOTV\_PROXY environment variable to the proxy URL.

Example config.toml value:

```
proxy = "http://username:password@proxy_ip:proxy_port"
```

## **Home Server**

You can host JioTV Go on your home server. This is the recommended way to host JioTV Go. You can use a Raspberry Pi / old phone / any other device to host JioTV Go.

## **Exposing Your Home Server to the Internet**

If you want to expose your home server to the internet, we recommend using Cloudflare Tunnel. It's free and easy to set up. You can also use ngrok or serveo to expose your home server to the internet.

Watch this video to learn how to use Cloudflare Tunnel: https://youtu.be/yJ41DmpVbeM

## **Development**

In this section, we'll explore how to contribute to JioTV Go and make customizations to suit your needs. Whether you're interested in development using Docker Compose or diving into Go programming, we've got you covered.

## **Build from Source**

To build JioTV Go from source, you'll need to have Go installed on your system. If you don't have Go installed, you can download it from here.

#### Clone

Let's start by cloning the repository:

```
git clone https://github.com/rabilrbl/jiotv_go.git
cd jiotv_go
```

### **Build**

Now, let's build the project:

```
go build . -o build/jiotv_go
```

#### Run

Finally, let's run the server:

```
./build/jiotv_go [commands]
```

## **Docker**

1. Run with Docker Compose:

• Run the command:

```
docker-compose up
```

This will automatically reload the server when you make changes to the code in .go and .html files.

#### 2. Running the Server in Background:

• To run the server in the background, use:

```
docker-compose up -d
```

#### 3. Stop the Server:

• To stop the server, run:

```
docker-compose down
```

#### 4. Access JioTV Go:

• The server will be listening at http://localhost:5001.

#### 5. Set Environment Variables:

• You can set environment variables in the .env file for customizations.

## **Local Development**

JioTV Go is powered by Golang, making it an exciting project for developers to explore and contribute to. Here's how you can set up and run the server using Go:

#### 1. Ensure You Have Golang Installed:

• First, make sure you have Golang installed on your system.

#### 2. Start the Server:

• Fire up the server with:

```
go run ./cmd/jiotv_go
```

> Please note that you'll need to stop and restart the server manually when you make changes to the code.

#### 3. Enable Debugging and Auto-Reloading:

• To enable automatic reloading on template changes in the views folder and enable debug logs in the console/terminal, set JIOTV\_DEBUG=true or debug config value to true.

That's it! You're now all set to explore and contribute to JioTV Go. Happy coding! 🟴 🖺





## Customize the Look with TailwindCSS

At JioTV Go, we use the versatile TailwindCSS for styling our project. If you're eager to make some style enhancements, here's how you can do it:

#### 1. Ensure You Have NodeJS Installed:

Make sure you have NodeJS installed on your system.

### 2. Navigate to the web Directory:

• Open a new terminal window and navigate to the project's root directory. Then, switch to the web directory by running:

cd web

## 3. Install Dependencies:

• Install the necessary dependencies by running:

npm install

## 4. Real-Time TailwindCSS Updates:

• To keep TailwindCSS up to date with your changes in real-time, run the following command:

npm run watch

#### 5. Build Minified CSS:

 Once you're satisfied with your style modifications, it's time to build the minified CSS file:

npm run build

Now you have the flexibility to customize the look and feel of JioTV Go to match your preferences.

## Let's Make JioTV Go Better Together!

## **Report Bugs**

Found a pesky bug? No worries! Please help us improve JioTV Go by creating an issue here. Be sure to include detailed steps to reproduce the bug, describe the expected behavior, and, if possible, attach screenshots. Your feedback is invaluable!

### Ready to Contribute? Join the Journey!

We wholeheartedly welcome your contributions. If you have ideas, fixes, or enhancements in mind, don't hesitate to create a pull request with your changes. For significant alterations, start by creating an issue to discuss your plans with us. Together, we can make JioTV Go even more incredible.

Thank you for considering contributing to JioTV Go, and happy coding!

## Let's Make JioTV Go Better Together!

JioTV Go is an open-source project that welcomes contributions from the community. Whether you want to report a bug, suggest an enhancement, or actively participate in the development, we value your input and contributions. Let's work together to make JioTV Go even more amazing!

## **Report Bugs**

If you come across any issues or bugs while using JioTV Go, please let us know. Reporting bugs is an essential part of improving the project. Here's how to report a bug:

#### 1. Go to the Issue Tracker:

• Visit the Issue Tracker for JioTV Go on GitHub.

#### 2. Create a New Issue:

o Click the "New Issue" button.

#### 3. Provide Details:

• Fill out the issue template with as much detail as possible. Include information about the problem, steps to reproduce it, and the expected behavior.

#### 4. Attach Screenshots (if applicable):

• If the bug is visual, consider attaching screenshots to help explain the issue.

#### 5. Submit the Issue:

Click "Submit new issue."

We greatly appreciate your bug reports. Your feedback helps us identify and resolve issues quickly.

## Ready to Contribute? Join the Journey!

If you're ready to actively contribute to JioTV Go, we welcome your ideas, enhancements, and code contributions. Here's how to get involved:

#### 1. Fork the Repository:

• Start by forking the JioTV Go repository to your own GitHub account.

#### 2. Create a Branch:

 Create a new branch for your contribution. Make sure it has a clear and descriptive name.

#### 3. Make Your Changes:

• Make your desired changes or enhancements to the codebase.

#### 4. Test Your Changes:

• Ensure your changes work as intended and don't introduce new issues.

#### 5. Commit Your Changes:

o Commit your changes with clear and concise commit messages.

#### 6. Push to Your Fork:

• Push your changes to the branch on your fork of the repository.

### 7. Create a Pull Request:

 Visit the main JioTV Go repository on GitHub and create a pull request to propose your changes.

#### 8. Provide Details:

 In the pull request description, provide details about your changes, the problem they solve, and any relevant context.

#### 9. **Engage in Discussion**:

 Be ready to engage in discussion with project maintainers and other contributors regarding your pull request.

#### 10. **Iterate and Collaborate**:

• Be open to making further changes based on feedback and collaborating to refine your contribution.

By contributing to JioTV Go, you play a crucial role in enhancing the project and making it better for all users.

## **Get Involved Today!**

Your contributions are essential to the success of JioTV Go. Whether you're reporting bugs or actively developing new features, your efforts are highly valued. Thank you for being a part of the JioTV Go community and helping make this project even more incredible!

If you have any questions or need assistance with your contributions, please feel free to reach out to the project maintainers and the community.

## Miscellaneous

## **Enforce a specific quality**

If I want to use the high quality, I will use the following URL:

```
http://localhost:5001/playlist.m3u?q=high
```

Where high can be replaced with low, medium, high, or l, m, h.

If your internet speed is low, you can use the medium or low quality.

## Check if you can run JioTV Go in your VPS/Cloud Server

JioTV APIs are geo-restricted (India only) and IP-restricted (residential IPs only). So you need to check if you can run JioTV Go in your VPS/Cloud Server.

Execute this command in VPS,

```
curl -v
"https://jiotv.data.cdn.jio.com/apis/v3.0/getMobileChannelList/get/?
os=android&devicetype=phone&usertype=tvYR7NSNn7rymo3F&version=285"
```

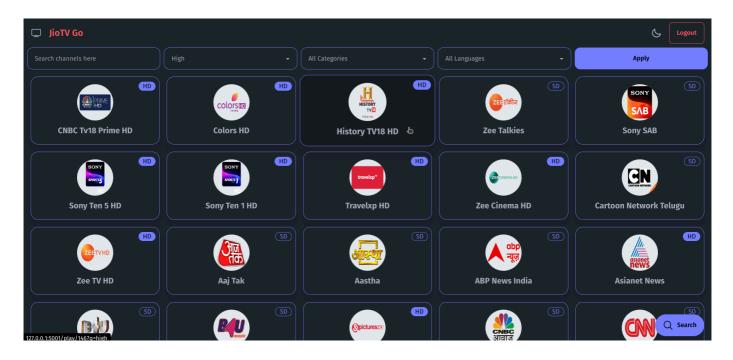
If you get a full JSON response then it will work. Otherwise if you don't get any response it won't.

You can use residential proxies to bypass this restriction. Read the Proxy section in the Cloud Hosting page for more information.

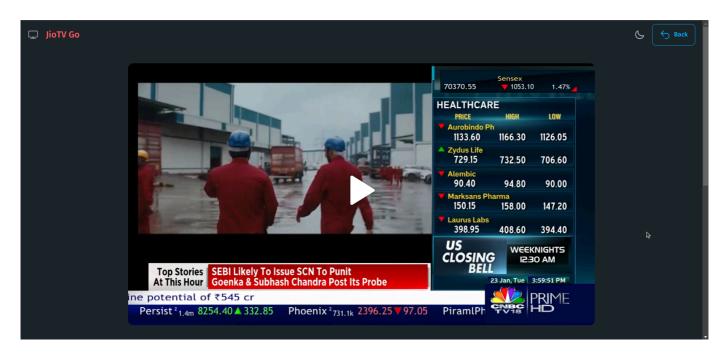
https://jiotv\_go.rabil.me/print.html 47/63

## **JioTV Go Screenshots**

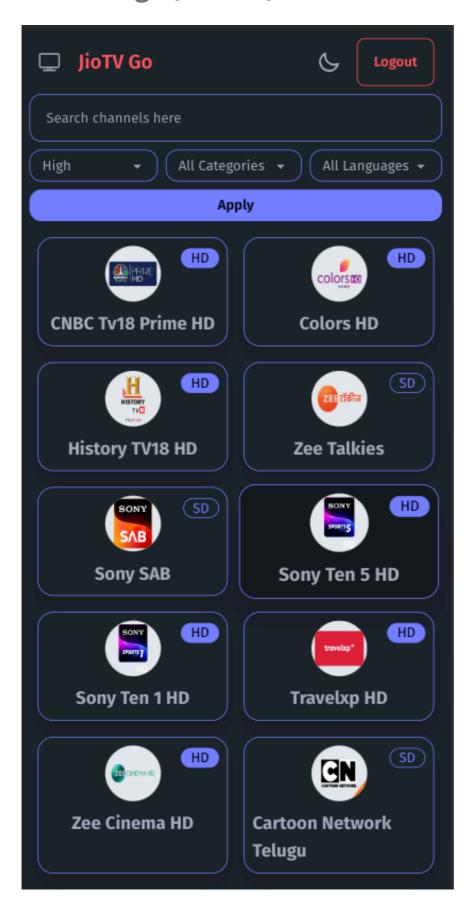
## **Home Page (Dark Mode)**



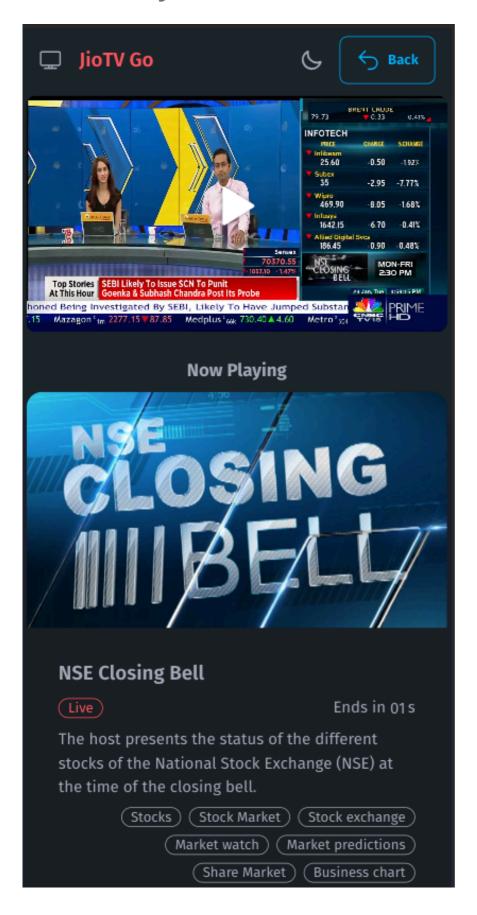
## **Live TV Player (Dark Mode)**



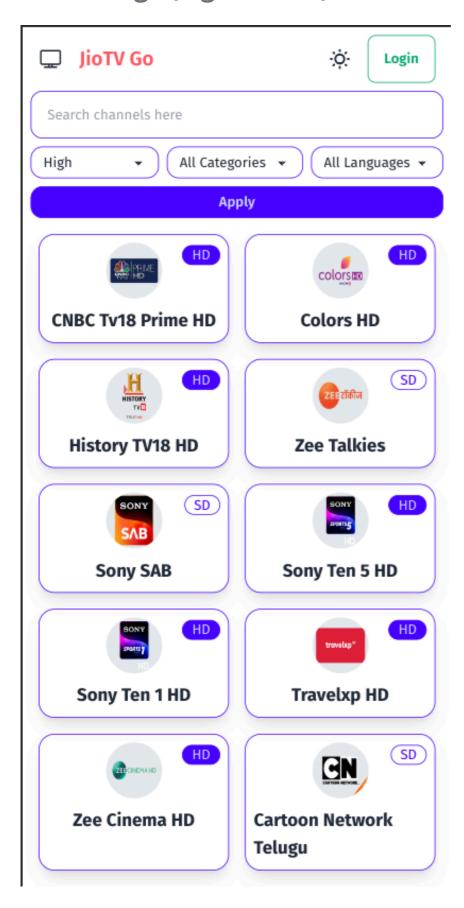
## **Home Page (Mobile)**



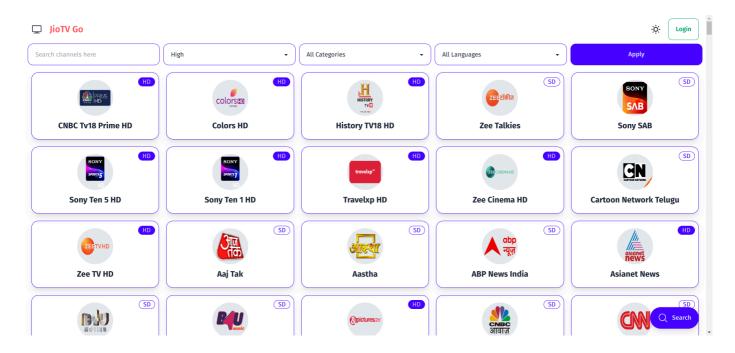
## **Live TV Player (Mobile)**



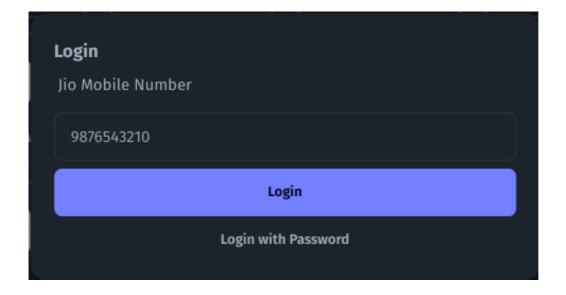
## **Home Page (Light Mode)**



## Home Page Mobile (Light Mode)



## **Login Dialog**



## **Frequently Asked Questions**

Before proceeding to the FAQ, here are the pages that you should read first:

- Usage
- IPTV Guide
- Config
- Cloud Hosting

## Does JioTV Go support JioFiber / JioFiber Set-Top Box?

No. JioTV Go does not support JioFiber / JioFiber Set-Top Box. JioTV Go only supports JioTV from mobile application.

## How can I use JioTV Go on my TV?

You can use JioTV Go on your TV using the following methods:

Install JioTV Go on your Android TV using Termux or UserLand. Read the Android TV page for more information.

## How can I access JioTV Go from another device (e.g. computer/TV/phone) in my local network?

Run the JioTV Go server with --public flag:

```
jiotv_go-linux-{arch} serve --public
```

Then find the IP address of your device with JioTV Go installed in your local network. You will have many tutorials on the internet on how to find the IP address of your device.

Now, on any device, access JioTV Go at http://{ip\_address}:5001/. Replace {ip\_address} with the IP address of your device.

## Can I host JioTV Go on a VPS or a cloud server?

Read the Cloud Hosting page for more information.

## Can I host JioTV Go on a Home Server / Raspberry Pi?

Yes. Read the Cloud Hosting page for more information.

## Why do I get error or blank in the player?

This error occurs when you have not logged in to JioTV Go or your session has expired. To fix this error, simply delete the jiotv\_credentials\_v2.json file and restart JioTV Go, then log in again.

## Does JioTV Go support catchup?

No. JioTV Go does not support catchup. Because I don't know how to implement it. If you know how to implement it, please open a pull request. I will be very grateful. See the IPTV Guide for more information. And contributing page for more information about contributing.

## Why do I get buffering in the IPTV player?

Read the Buffering issues on IPTV guide.

## Why do I see same resolution under quality options?

The two resolutions are same but with different bitrates.

If there are two same resolutions with different bitrates, higher bitrate will be selected based on your internet bandwidth/speed.

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## How do I update JioTV Go?

Read the Update command section in the Usage page for more information.

## How do I update JioTV Go if I have installed it using Docker?

Simply pull the latest image from Docker Hub:

docker pull ghcr.io/rabilrbl/jiotv\_go:latest

## How do I update JioTV Go if I have installed it using Termux?

Simply run the following command:

jiotv\_go-linux-{arch} update

## How do I stop JioTV Go server?

Press ctrl + c in the terminal where you have started JioTV Go.

## How do I Uninstall JioTV Go completely?

Simply delete all files related to JioTV Go. If you have installed JioTV Go using Docker, then delete the Docker image. If you have installed JioTV Go via pre-built binaries, then delete the binary file.

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