

# GMMZ Stream V3.1 (Android 7.1) with Kodi 18 and Internet TV

GMMZ Stream V3.1 on Android 7, made by [ShiningWorth](#), with [GMMZ Stream V3 Stock Rom \(Normal Android 7.0\)](#). The download site is in Thai language, but understandable after enabling auto-translation in Google.

## Setup

- Copy **wallpapers** to *storage/emulated/0/Pictures*
- Set *Wallpaper*, *Sleep* (time until screensaver gets activated), *Screensaver*, and *Screen percent* in *Settings* → *Display*
- Set Language to **English (Singapore)** or **German (Switzerland)** in *Settings* → *Languages & input*
- Sign in to your Google account in *Settings* → *Accounts*
- Set date and time in *Settings* → *Date & time*

## Pre-installed Apps

- *Kodi* → **uninstall**
- *YouTube for TV* → **update**

## Install from Google Play Store

- **Disable** App auto-update in Play Store
- *ATV Launcher Pro*
- *CPU-Z*
- *DevCheck*
- *Kernel Tuner*
- *KillApps*
- *Kodi*, follow the Kodi install [guide](#)
- *Launch on boot*
- *ProxyDroid*
- *Reboot Manager (\*ROOT\*)*
- *Screenshot Easy*
- *SSHHelper* (default username=admin, password=admin)
- *Steam Link*
- *Total Commander*
- *Weather & Clock Widget for Android*

## Install from Aptoide TV App Store

- *Haystack TV*
- *RedBull TV*

## Install from apk file

- Zattoo
  - U-Play
  - Opera for Android TV
- TV app (Switzerland) for Android TV OS
- TV app (Thailand) for Android
- [Aptoide TV](#) app store
- web browser

## ATV Launcher Pro Setup

1. Align apps on the home screen.
2. Create folder *Unused* and move all apps which will never be used on this box into it.
3. Create folder *Admin* and move all apps which should only be used by the system admin into it.
4. Create folder *Games* and move all game apps into it.
5. Create a weather widget in the top right widget area. Open *Config* for the widget, disable time and data display.
6. Settings for *KillApps*:
  - Go to Settings in the top right corner and hit *Create shortcut*. This creates a one-click short cut on the home screen which allows to close all apps with one click of a button.
  - Make sure *User apps* is enabled and *System apps* is disabled.
  - Add the following apps to the Exception List: *ATV Launcher*, *Simple WiFi Widget*, and *Weather & Clock Widget*. These apps will always remain running.

## Special Apps

### Zattoo

1. Install Zattoo from the apk for Android TV, not from the Play Store, as the versions are different.
2. Make sure Zattoo is not updated.
3. SSH into the box, then find directory `/data/app/com.zattoo.player-xxx`, then remove write permissions for all files (not directories) within the tree with `chmod -r *`.
4. [Watch TV which is restricted to domestic IP](#) over Zattoo.

### Opera for Android TV

- This app version is very old, but the only one which installs without requirement of running on a Sony TV

- I might work on a mod for a newer version when I have time
- Puffin on TV is another browser, however it sets a system wide proxy in the USA, which makes it impossible to use Zattoo or U-Play

## Additional Apps

### Games

- [Android Games](#)

### Useful apps with working WIFI

- *AirScreen*
- *CetusPlay*
- *Simple WiFi Widget*, then create a WiFi widget in the top left widget area

### Optional for some use cases

- *System app remover*

## Harmony Remote

1. The stock remote has a numeric key pad, which we can use to get Playback and Navigation functionality properly set up, as we do not need numeric keys in Kodi.
2. Open *MyHarmony* on your PC, then edit the button assignments for the Kodi activity. Assign (TX6 remote) numeric keys to the Harmony remote keys which correspond to Kodi functions according to below's table.
3. In Kodi, use Keymap Editor to map the keys to Kodi functions. Run *Keymap Editor* in Program Addons, then go to *Edit* → *Global* and chose the Action Category. Assign all keys, then *Save* them.

TX6 remote	Harmony remote	Kodi Function	Action Category
1 key	Play	Play	Playback
2 key	Pause	Pause	Playback
3 key	Stop	Stop	Playback
4 key	Skip Backward	Previous	Playback
5 key	Fast Backward	Rewind	Playback
6 key	Skip Forward	Next	Playback
7 key	Fast Forward	Fast Forward	Playback
8 key	Ch	Page Up	Navigation
9 key	Pg	Page Down	Navigation
0 key	Record	Take screenshot	Other
0 key	Record	Radio app	Addons

## Links

- [Read only file system on Android](#)
- [Missing Kodi Splash screen](#)
- [Update SQL databases when files move](#)
- [WallpaperPlay](#)
- [WallpaperAccess](#)

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