Kodi 16.1 on LibreELEC 7.0.2

Kodi runs best on OpenELEC or LibreELEC, as it is a stripped down Linux which contains only what is necessary to run Kodi. It boots very fast directly into Kodi.

I installed LibreELEC 7.0.2 running Kodi 16.1 (Jarvis) on an Asrock Beebox N3150, with 8 GB DDR3L single channel RAM, and 64 GB mSATA drive (Transcend MSA370). The Beebox is very small, although you can install a 2.5" SSD, the mSATA is the much better solution as it does not fill up the enclosure and compromise the cooling.

Make sure to disable auto-update for the Titan skin. The update from 3.6.78 to 3.6.120 breaks the widgets. To do so, go to Settings -> Add-ons -> My add-ons -> Look and feel -> Skin -> Titan.

The following guide explains how to install Kodi on any Intel compatible 64bit architecture.

Basic Install

- 1. Make a bootable USB drive with the LibreELEC iso, I used Rufus Portable to do this, then run the installer.
- After booted into Kodi, go to System -> Settings -> Appearance -> International and set Language, Region, and Timezone country. You might also want to set the Settings level to "Expert".
- 3. Go to System -> Settings -> Weather. Get "Yahoo! Weather" in Service for weather information, then enter your Location in Settings.
- 4. Modify the Device Name in System -> Settings -> Services -> General
- 5. Modify the Workgroup in System -> Settings -> Services -> SMB client
- 6. Modify the System Name in System -> Settings -> LibreELEC Settings -> System
- 7. Set the default audio device in System -> Settings -> System -> Audio output
- 8. Connect through SSH and upload a rsa key file to ~/.ssh. Copy the key to authorized_keys.
- 9. Disable SSH Password in System -> Settings -> LibreELEC Settings -> Services
- 10. After installing the Keymap Editor, map the Mute key to "Context Menu c". The Asrock remote does not have a key for the context menu, and the mute key is not needed as the volume is controlled through the AV receiver.
- 11. Update: login to the LibreELEC box via SSH and type in the following commands:

```
cd /storage/.update
wget http://releases.libreelec.tv/LibreELEC-Generic.x86_64-7.0.3.img.gz
reboot
```

Live-TV

The live TV settings are tricky, so I describe the different procedures in this chapter.

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Kodlsrael install 2016

This guide is for a Kodi 16 install on a x64 LibrELEC box.

1. Install LibreELEC Add-ons (official) -> PVR clients -> PVR IPTV Simple Client. Configure with the

M3U Playlist: http://www.wownet.ro/iptv/ EPG URL: http://www.wownet.ro/epg/

2. The built in Simple Client does not work yet, as it is missing correct settings for Kodisrael. Go to System -> File manager -> Add source and add repository

http://kodisrael.co.il/repo

then Install from zip file, select Kodisrael, and select the only zip file available.

- 3. Install System -> Settings -> Add-ons -> Install from repository -> ..Kodisrael Repository -> Video add-ons -> IsraeLive. Choose "Yes" to update PVR IPTV Simple client settings. Reboot.
- 4. Enable Live-TV in System -> Settings -> Live-TV, also enable the Channel Manager. IPTV Simple Client works now and TV starts loading channels.

Kodlsrael install 2017

This guide is for a Kodi 16 install on a x64 LibrELEC box.

1. Install LibreELEC Add-ons (official) -> PVR clients -> PVR IPTV Simple Client. Configure with the

M3U Playlist: http://www.wownet.ro/iptv/ EPG URL: http://www.wownet.ro/epg/

2. The built in Simple Client does not work yet, as it is missing correct settings for Kodisrael. Go to System -> File manager -> Add source and add repository

http://kdil.com/repo/

then Install from zip file, select Kodisrael, and select the only zip file available.

- 3. Install System -> Settings -> Add-ons -> Install from repository -> ..Kodisrael Repository -> Video add-ons -> IsraeLive. Choose "Yes" to update PVR IPTV Simple client settings. Reboot.
- 4. Enable Live-TV in System -> Settings -> Live-TV, also enable the *Channel Manager*. IPTV Simple Client works now and TV starts loading channels.

PVR IPTV Simple CLient install 2017

This guide is for a Kodi 16 install on an Android box.

- 1. Enable Live-TV in System -> Settings -> Live-TV, also enable the Channel Manager. Kodi will notice that no PVR add-on is installed.
- 2. Install the PVR IPTV Simple Client add-on. Configure with the

M3U Playlist: http://www.your.domain/download/iptv.m3u

3. Add TV streams to the file iptv.m3u. If you do not have access to a web server, or if you only use one Kodi box, then you can also save that information locally on the box.

Other Add-ons

I prefer to scrape all my movies offline. In my locations I operate a total of 7 Kodi boxes, and with offline scraping I need to do it only once. tinyMediaManager does an excellent job in this, however, it is more effort than using the Kodi built in scrapers.

- Install System -> Settings -> Add-ons -> Install from repository -> Kodi Add-on repository ->
 Information Providers -> Movie information -> Universal Movie Scraper. Make it the default
 scraper when you add video sources.
- Install System -> Settings -> Add-ons -> Install from repository -> Kodi Add-on repository -> Video add-ons -> Missing Movies.
- 3. Install System -> Settings -> Add-ons -> Install from repository -> Kodi Add-on repository -> Program add-ons -> Cinema Experience
- 4. Install System -> Settings -> Add-ons -> Install from repository -> Kodi Add-on repository -> Program add-ons -> Backup
- 5. Install System -> Settings -> Add-ons -> Install from repository -> Kodi Add-on repository -> Program add-ons -> Keymap Editor
- Install System -> Settings -> Add-ons -> Install from repository -> Kodi Add-on repository -> Video add-ons -> YouTube. Note: If you are installing the Titan skin, do not install YouTube now.
- 7. Install System -> Settings -> Add-ons -> Install from repository -> Kodi Add-on repository -> Music add-ons -> Radio
- 8. Go to System -> File manager -> Add source and add repository

http://fusion.tvaddons.ag

then Install from zip file, select Fusion, start-here, plugin.program.addoninstaller-x.x.x.zip. Once installed, you can access the Addon Installer under Programs.

- 9. Install TuneIn Radio from Programs -> Addon Installer -> Audio Addons
- 10. Install System -> Settings -> Add-ons -> Install from repository -> Kodi Add-on repository -> Music add-ons -> Tunir
- 11. Install SportsDevil from Programs -> Addon Installer -> Video Addons
- 12. Install Chromium from Programs -> Addon Installer -> Program Addons
 - 1. To enable audio for the Chrome browser, do the following:
 - 1. Go to Settings -> Add-ons -> My add-ons -> Program add-ons -> Chromium -> Configure and enable **Stop Kodi Player and Suspend AudioEngine**.
 - 2. In the same menu, enable **Use Custom Audio Device**, and set "hw: 0,3" as Audio Device. Enter the string without ".
 - In your setup, your audio hardware device might be different. SSH into your box and type "aplay -I" to find the correct devices/cards. The format is "hw:<cardnumber>,<devicenumber>".
 - 4. If you are not sure which of the listed devices is the audio device used by Kodi, copy a sample.wav file to your box and check whether it plays sound with "aplay -D plughw:0,3 sample.wav" (modify cardnumber and devicenumber for your hardware)

- 2. To enable Flashplayer for the Chrome browser, do the following:
 - 1. Download and extract the flashplayer plugin for Linux x64 directly from Adobe. Select *Linux (64 bit)* and the (*.tar.gz*) *PPAPI* file version.
 - 2. Extract libpepflashplayer.so from the archive
 - 3. Assuming you have already installed flash in *Settings -> Add-ons -> My add-ons -> Program add-ons -> Chromium -> Configure*, copy this file to your LibreELEC box in the directory: /storage/.kodi/addons/browser.chromium/bin/PepperFlash
 - 4. Open Chrome, then go to "chrome://settings" (URL or settings button), "Show advanced settings...", and disable "Continue running background apps when Google Chrome is closed".
- 13. Install SpeedTester from Programs -> Addon Installer -> Program Addons

Movies

Settings

- Settings -> Videos -> Library -> Group movies in sets
- Settings -> Videos -> Playback -> Preferred audio language
- Settings -> Videos -> Subtitles -> Preferred subtitle language
- Settings -> Videos -> Subtitles -> Languages to download subtitles for
- Settings -> Videos -> Subtitles -> Default movie service
- Settings -> System -> Audio output -> Audio output device
- Settings -> System -> Audio output -> Number of channels
- Settings -> System -> Audio output -> Enable pass through
- Settings -> System -> Audio output -> DTS capable receiver
- Videos -> Files: Add different sub-folders to the library on the server, which you want to add to a movie set with it's own menu entry
- Add folder by folder, after each add go to Movies and <Right click> -> Manage -> Manage movie set for each movie to assign it to a set
- Start with the movie which folder art you want to appear as set in the movie collection. I have not found out how to change the art afterwards in the Titan skin.
- <Right click> -> Add to favourites for each set you created, then go to Settings -> Skin Settings -> Configure shortcuts -> Edit menu shortcuts
- Add each favourite to the menu

Scrapers

- Set "Universal Movie Scraper" for all movies
- Set "Local only" for concert movies and scrape all of those with TinyMediaManager from a computer
- Find movies which the scraper did not find with "Missing Movies" add-on

Skin

Titan is by far the best skin I ever used in Kodi. Look and feel and configuration options are one of it's own. Note that the customization instructions below are skin specific.

Skin Install

- 1. Install System -> Settings -> Add-ons -> Install from repository -> Kodi Add-on repository -> Look and feel -> Skin -> Titan
- 2. Select "Simple confluence-style homescreen vertical in System -> Settings -> Skin settings -> Homescreen layout
- 3. In Skin settings, Titan will alert "Weather FanArt missing!". Select Yes and install "Weather Fanart Multi"
- 4. In Skin settings, Titan will alert "Studio Logos missing!", Select Yes and install "Studio Icons -Coloured"
- Select YouTube in the main menu, then setup, then login. It will take you through a 2 step authentication, you need a computer or tablet to confirm. If the authentication process fails with "Login failed", uninstall YouTube, SSH into LibreELEC, and delete folder ~/.kodi/userdata/addon data/plugin.video.youtube, then start over again.
- 6. If you install Titan on Kodi Jarvis 16.1, make sure to install version 3.6.78. Version 3.6.120 will break the widgets, and I did not find a way to fix it. Go to *Settings -> Add-ons -> My add-ons -> Look and feel -> Skin -> Titan* and disable auto-update.

Skin Settings

• Media library views: enable Use extended video info dialog. Enter your TMDb credentials in the add-on settings of the ExtendedInfo Script.

Configure shortcuts

- Live TV
 - 1. Set label to "TV"
 - 2. Change Action to "ActivateWindow(TVChannels)
 - 3. Add YouTube, Chromium, and SportsDevil Video Add-Ons to Submenu
 - 4. Arrange order to Chromium, SportsDevil, Last TV channel, Search, Guide, Recordings, Channels, Timers
 - 5. For my requirements, I renamed "Chromium" to "FirstOneTV", and set the home page of the browser to that TV streaming service
- Movies
 - 1. Add Video Library -> Files to Submenu
 - 2. Add YouTube, Velocity to Submenu
 - 3. Add Kodi Command "Update video library" to Submenu
 - 4. Add "Missing Movies" add-on from Kodi repository to Submenu
 - 5. Add Video Library -> Movies to Submenu and rename it to "Search..."
- Music
 - 1. Remove Radio [ActivateWindow(radiochannels,return)] from Submenu
 - Remove Music add-ons [ActivateWindow(10502,addons://sources/audio/,return)] from Submenu
 - 3. Add Radio Music Add-On to Submenu
 - 4. Add "TuneIn Radio" Music Add-On to Submenu
 - 5. Add Kodi Command "Update music library" to Submenu
- YouTube
 - removed
- Videos

- removed
- Add-on browser
 - $\circ\,$ removed, incl. submenus:
 - 1. Programs [ActivateWindow(Programs,Addons,return)]
 - 2. Video add-ons [ActivateWindow(Videos,addons,return)]
 - 3. Music add-ons [ActivateWindow(10502,addons://sources/audio/,return)]
 - 4. Picture add-ons [ActivateWindow(Pictures,Addons,return)]
- Add menu entries Thai movies, Concerts, and Billiard, and select background picture
- Pictures
 - 1. Add pictures... folder <myPics>
 - 2. Change Shortcut to Pictures -> <myPics>
- Settings -> System Info
 - Change Shortcut to Settings System Info [ActivateWindow(SystemInfo)], which will change the name from Settings to System Info
 - 1. Keep Settings Settings [ActivateWindow(Settings)] in Submenu
 - 2. Keep Settings Skin settings [ActivateWindow(SkinSettings)] in Submenu
 - 3. Add LibreELEC Configuration Program (Add-On) to Submenu
 - 4. Add Programs Add-ons Keymap Editor to Submenu
 - 5. Add Programs Add-ons SpeedTester to Submenu
 - 6. Add Programs Add-ons Backup to Submenu
 - 7. Keep Settings File manager [ActivateWindow(FileManager)] in Submenu
 - 8. Keep Kodi Command Events [ActivateWindow(eventlog)] in Submenu
- Customize power menu
 - 1. Remove Settings

List of original menu assignments

Label	Action	Background	Widget
Live TV	ActivateWindow(TVGuide)	Default	Recordings
Movies	ActivateWindow(10025,videodb:/ /movies/titles/,return)	Random movies background	In-progress and recommended movies, Recently added movies
TV shows	ActivateWindow(10025,videodb:/ /tvshows/titles/,return)	Random Tv Shows background	Next Episodes, Recently added episodes
Music	ActivateWindow(10502,return)	Random music artists background	Recently added albums, Recently added songs
Music videos	ActivateWindow(10025,videodb:/ /musicvideos/titles/,return)	Random music videos background	Recently added music videos
Weather	ActivateWindow(Weather)	Weather	Weather
YouTube	ActivateWindow(10025,plugin:/ /plugin.video.youtube,return)	Default	-none-
Pictures	ActivateWindow(Pictures,return)	Random pictures background	-none-
Add-on browser	ActivateWindow(Programs,Addons,return)	Default	-none-

Label	Action	Background	Widget
Videos	ActivateWindow(Videos,return)	Global media fanart background	-none-
Settings	ActivateWindow(Settings)	Default	System info

Chromium Browser

- Chromium Browser latest stable
- http://openelec.tv/forum/128-addons/77591-chromium-html5-guide-for-netflix-amazonprime[Chromium Remote]]

Clone to new device

As the setting up of a Kodi box with an alternative skin requires a lot of tweaking, you might think of cloning the device once it is fully setup. Here are some hints how to do this efficiently:

- 1. Boot the set up Kodi box into an external USB stick with CloneZilla installed on it. Before booting, plug in a second USB stick which will hold the backup files.
- 2. Backup the disk which holds the Kodi install.
- 3. Boot the new device into the external USB stick with CloneZilla installed on it. Restore the backup taken in the previous step.
- 4. Boot the new Kodi box and change the device name (Settings -> Services and LibreELEC Settings). Change other basic settings such as location etc. as required.

The following steps are only required, if you run the new box with a different media server:

- 1. Remove all Favorites.
- 2. Remove all media sources (videos, photos, music).
- 3. Add all media sources from the new media server.
- 4. Create new movie sets if required, and then add them to Favorites.
- 5. If the Favorites do not show up in your menus, go into Skin Settings and change Action for the respective menu item.

Links

Kodi

- HOW-TO:Modify keymaps
- HOW-TO: Modify the video cache
- HOW TO:Update LibreELEC
- advancedsettings.xml
- Log file/Advanced
- Add-on:Cinema Experience
- Guide To Test a Remote and Remap Keys
- Fix Kodi buffering problems! Here's how to modify the Kodi cache
- Movie sets

- Add-on:Universal Movie Scraper
- Universal Movie Scraper Addon Guide
- titan skin widgets not working

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- How to Install the Addon Installer for Kodi
- Install The Beast Kodi
- How to Setup PVR IPTV Simple Client Kodi
- Tutorial How to Install SuperRepo Kodi
- How to Install Fusion Kodi
- How to Add and Change Fonts in Kodi

Live TV

- Setup & Install PVR IPTV Simple Client In Kodi 17.3
- How to Install Kodisrael Repo on Kodi (2017)
- How to Setup LiveTV PVR IPTV Simple Client Kodi XBMC for Android
- Mit IPTV & Android TV über 400 Sender mit EPG empfangen
- Flash in Chromium
- IPTV AddOns für Kodi Live-TV mit dem Raspberry Pi und OpenELEC
- NO TV Menu in KODI Fix with IPTV PVR Simple client 2
- KODI IPTV PVR Simple Client FiX No TV Menu
- Cannot load settings
- Free live TV Kodi setup May 2016 (IPTV) 875 world channels!
- ADD MULTIPLE IPTV LISTS TO ONE PVR SIMPLE CLIENT XBMC/Kodi
- KODI: New Live TV PVR Addon with Auto EPG
- Big Bad Television Service
- 2000 + WORKING IPTV LIVE TV KODI LIST PVR SIMPLE CLIENT AND TROUBLE SHOOTING
- Best Kodi Addons for Live TV and Sports Streaming (09/2016)
- The best Thai TV Addon ever
- IsraeLive
- How to Install All-TV IPTV Add-On with SuperRepo
- Kodi (XBMC) Super Simple Guide to Setup TV/IPTV Streaming and Update Channels

Others

- How do I install SuperRepo?
- YouTube Data API Overview
- Setting up IPTV on openELEC
- Repository: Swiss mindmade XBMC Addons
- How to install Retrospect German/Swiss/Austrian Channels (Update)?
- Shashlik
- HOW TO SETUP IPTV PVR SIMPLE CLIENT IN KODI (STEP BY STEP)
- IPTV M3U STREAMING
- How to add M3U channel list for the first time
- Our Picks For The Top 5 Best Kodi Builds
- The Beast

- SilenceROM
- Compile from source
- pvr.iptvsimple
- DVBLogic
- How to activate DVBLink software trial
- Tennis IPTV Playlist

Kodi on Ubuntu

- Lubuntu/Documentation/MinimalInstall
- Getting started with an Intel® NUC
- How to list installed package and its details on ubuntu?
- How to Install Kodi 16.1 'Jarvis' on Ubuntu 16.04, Ubuntu 15.10, Ubuntu 15.04 and Before Version
- How to install Kodi on Ubuntu Server 14.04
- Kodibuntu
- HOW-TO:Install Kodibuntu from a USB drive
- HOW-TO:Install Kodi for Linux
- HOW-TO:Autostart Kodi for Linux
- Intel VAAPI howto with Krypton v17 based on Ubuntu 16.04 server
- Kodi Linux : The Complete Guide Part 1
- 16 commands to check hardware information on Linux

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Last update: 2019/04/08 16:29

