

XBMC AND LIRC CONFIGURATION FOR APPLE REMOTE (Tested August 2014)

To use an Apple Remote on XBMC for Linux:

1: install XBMC and LIRC via package managers. Configure it for a suitable receiver (ie. Manta TR1 for Apple Remote)

2: create /etc/lirc/lircd.conf as follows:

```
#This configuration has been automatically generated via
#the Ubuntu LIRC package maintainer scripts.
##It includes the default configuration for the remote and/or
#transmitter that you have selected during package installation.
#
#Feel free to add any custom remotes to the configuration
#via additional include directives or below the existing
#Ubuntu include directives from your selected remote and/or
#transmitter.
#Configuration for the Windows Media Center Transceivers/Remotes
(all) remote:
include "/usr/share/lirc/remotes/mceusb/lircd.conf.mceusb"
begin remote
name Apple_A1156
bits 8
flags SPACE_ENC
eps 30
aeps 100
header 9065 4484
one 574 1668
zero 574 547
ptrail 567
repeat 9031 2242
pre_data_bits 16
pre_data 0x77E1
post_data_bits 8
post_data 0xC5
gap 37600
toggle_bit 0
ignore_mask 0x80ff
begin codes
KEY_PLAY 0x20
KEY_UP 0xD0
KEY_RIGHT 0xE0
KEY_LEFT 0x10
KEY_DOWN 0xB0
KEY_MENU 0x40
end codes
end remote
```

3: INSERT IN XBMC keymaps folder the file remote.xml as follows:

```
<!-- This file contains the mapping of keys (gamepad, remote, and
keyboard) to actions within
```

```
XBMC -->
<!-- The <global> section is a fall through - they will only be
used if the button is not -->
<!-- used in the current window's section. Note that there is only
handling -->
<!-- for a single action per button at this stage. -->
<!-- For joystick/gamepad configuration under linux/win32, see
below as it differs from xbox --
>
<!-- gamepads. --><!-- The format is: -->
<!-- <device> -->
<!-- <button>action</button> -->
<!-- </device> -->
<!-- To map keys from other remotes using the RCA protocol, you
may add <universalremote>
blocks -->
<!-- In this case, the tags used are <obc#> where # is the
original button code (OBC) of the
key -->
<!-- You set it up by adding a <universalremote> block to the
window or <global> section: --
>
<!-- <universalremote> -->
<!-- <obc45>Stop</obc45> -->
<!-- </universalremote> -->
<!-- Note that the action can be a built-in function. -->
<!-- eg <B>XBMC.ActivateWindow(MyMusic)</B> -->
<!-- would automatically go to My Music on the press of the B
button. -->
<!-- Joysticks / Gamepads: -->
<!-- See the sample PS3 controller configuration below for the
format. -->
<!-- -->
<!-- Joystick Name: -->
<!-- Do 'cat /proc/bus/input/devices' or see your xbmc log file to
find the names of -->
<!-- detected joysticks. The name used in the configuration should
match the detected name.
-->
<!-- -->
<!-- Button Ids: -->
<!-- 'id' is the button ID used by SDL. Joystick button ids of
connected joysticks appear -->
<!-- in xbmc.log when they are pressed. Use your log to map custom
buttons to actions. -->
<!-- -->
<!-- Axis Ids / Analog Controls -->
<!-- Coming soon. -->
<keymap>
<global>
<remote>
<play>Play</play>
<pause>Pause</pause>
```

```
<stop>Stop</stop>
<forward>FastForward</forward>
<reverse>Rewind</reverse>
<left>Left</left>
<right>Right</right>
<up>Up</up>
<down>Down</down>
<select>Select</select>
<enter>FullScreen</enter>
<pageplus>PageUp</pageplus>
<pageminus>PageDown</pageminus>
<back>Back</back>
<menu>PreviousMenu</menu>
<title>ContextMenu</title>
<info>Info</info><skipplus>SkipNext</skipplus>
<skipminus>SkipPrevious</skipminus>
<display>FullScreen</display>
<start>PreviousMenu</start>
<record>Screenshot</record>
<volumeplus>VolumeUp</volumeplus>
<volumeminus>VolumeDown</volumeminus>
<mute>Mute</mute>
<power>XBMC.ShutDown()</power>
<myvideo>XBMC.ActivateWindow(MyVideos)</myvideo>
<mymusic>XBMC.ActivateWindow(MyMusic)</mymusic>
<mypictures>XBMC.ActivateWindow(MyPictures)</mypictures>
<mytv>XBMC.ActivateWindow(VideoLibrary,TvShows)</mytv>
<red>XBMC.ActivateWindow(Home)</red>
<green>XBMC.ActivateWindow(MyVideos)</green>
<yellow>XBMC.ActivateWindow(MyMusic)</yellow>
<blue>XBMC.ActivateWindow(MyPictures)</blue>
<zero>Number0</zero>
<one>Number1</one>
<two>JumpSMS2</two>
<three>JumpSMS3</three>
<four>JumpSMS4</four>
<five>JumpSMS5</five>
<six>JumpSMS6</six>
<seven>JumpSMS7</seven>
<eight>JumpSMS8</eight>
<nine>JumpSMS9</nine>
</remote>
</global>
<Home>
<remote>
<info>XBMC.ActivateWindow(SystemInfo)</info>
<clear>XBMC.ActivateWindow(Weather)</clear>
<hash>XBMC.ActivateWindow(Settings)</hash>
<up>VolumeUp</up>
<down>VolumeDown</down>
<menu>XBMC.ActivateWindow(shutdownmenu)</menu>
</remote>
</Home>
```

```
<MyFiles>
<remote>
<clear>Delete</clear>
<zero>Highlight</zero>
<star>Move</star>
<hash>Rename</hash>
</remote>
</MyFiles>
<MyMusicPlaylist>
<remote>
<clear>Delete</clear>
<zero>Delete</zero>
</remote></MyMusicPlaylist>
<MyMusicPlaylistEditor>
<remote>
<zero>Queue</zero>
</remote>
</MyMusicPlaylistEditor>
<MyMusicFiles>
<remote>
<zero>Queue</zero>
<star>Queue</star>
<select>RunScript (special://masterprofile/keymaps/
playfullscreen.py)</select>
</remote>
</MyMusicFiles>
<MyMusicLibrary>
<remote>
<zero>Queue</zero>
<star>Queue</star>
</remote>
</MyMusicLibrary>
<FullscreenVideo>
<remote>
<zero>Number0</zero>
<one>Number1</one>
<two>Number2</two>
<three>Number3</three>
<four>Number4</four>
<five>Number5</five>
<six>Number6</six>
<seven>Number7</seven>
<eight>Number8</eight>
<nine>Number9</nine>
<left>StepBack</left>
<right>StepForward</right>
<up>VolumeUp</up>
<down>VolumeDown</down>
<back>SmallStepBack</back>
<menu>OSD</menu>
<start>OSD</start>
<select>Pause</select>
<title>CodecInfo</title>
```

```
<info>Info</info>
<teletext>XBMC.ActivateWindow(Teletext)</teletext>
<subtitle>NextSubtitle</subtitle>
<star>NextSubtitle</star>
<language>AudioNextLanguage</language>
<hash>AudioNextLanguage</hash>
</remote>
</FullscreenVideo>
<VideoTimeSeek>
<remote>
<select>Select</select>
<enter>Select</enter></remote>
</VideoTimeSeek>
<FullscreenInfo>
<remote>
<title>CodecInfo</title>
<info>Back</info>
<menu>OSD</menu>
</remote>
</FullscreenInfo>
<PlayerControls>
<remote>
<menu>Back</menu>
</remote>
</PlayerControls>
<Visualisation>
<remote>
<left>SkipPrevious</left>
<right>SkipNext</right>
<up>VolumeUp</up>
<down>VolumeDown</down>
<back>LockPreset</back>
<title>CodecInfo</title>
<select>Pause</select>
<menu>XBMC.ActivateWindow(MusicOSD)</menu>
<start>XBMC.ActivateWindow(MusicOSD)</start>
<info>Info</info>
</remote>
</Visualisation>
<MusicOSD>
<remote>
<menu>Back</menu>
<title>Info</title>
<info>CodecInfo</info>
</remote>
</MusicOSD>
<VisualisationSettings>
<remote>
<menu>Back</menu>
</remote>
</VisualisationSettings>
<VisualisationPresetList>
<remote>
```

```
<menu>Back</menu>
</remote>
</VisualisationPresetList>
<SlideShow>
<remote>
<zero>ZoomNormal</zero>
<one>ZoomLevel1</one>
<two>ZoomLevel2</two>
<three>ZoomLevel3</three>
<four>ZoomLevel4</four><five>ZoomLevel5</five>
<six>ZoomLevel6</six>
<seven>ZoomLevel7</seven>
<eight>ZoomLevel8</eight>
<nine>ZoomLevel9</nine>
<info>CodecInfo</info>
<skipplus>NextPicture</skipplus>
<skipminus>PreviousPicture</skipminus>
<title>Info</title>
<select>Rotate</select>
</remote>
</SlideShow>
<ScreenCalibration>
<remote>
<select>NextCalibration</select>
<zero>ResetCalibration</zero>
<display>NextResolution</display>
<xbox>NextResolution</xbox>
</remote>
</ScreenCalibration>
<GUICalibration>
<remote>
<select>NextCalibration</select>
<zero>ResetCalibration</zero>
</remote>
</GUICalibration>
<VideoOSD>
<remote>
<menu>Back</menu>
<start>Back</start>
</remote>
</VideoOSD>
<VideoMenu>
<remote>
<menu>OSD</menu>
<info>Info</info>
<title>CodecInfo</title>
<zero>Number0</zero>
<one>Number1</one>
<two>Number2</two>
<three>Number3</three>
<four>Number4</four>
<five>Number5</five>
<six>Number6</six>
```

```
<seven>Number7</seven>
<eight>Number8</eight>
<nine>Number9</nine>
<play>Select</play>
</remote>
</VideoMenu>
<OSDVideoSettings>
<remote><menu>Back</menu>
<start>Back</start>
</remote>
</OSDVideoSettings>
<OSDAudioSettings>
<remote>
<menu>Back</menu>
<start>Back</start>
</remote>
</OSDAudioSettings>
<VideoBookmarks>
<remote>
<menu>Back</menu>
<start>Back</start>
<zero>Delete</zero>
</remote>
</VideoBookmarks>
<MyVideoLibrary>
<remote>
<zero>Queue</zero>
<clear>Delete</clear>
</remote>
</MyVideoLibrary>
<MyVideoFiles>
<remote>
<zero>Queue</zero>
<star>Queue</star>
</remote>
</MyVideoFiles>
<MyVideoPlaylist>
<remote>
<clear>Delete</clear>
<zero>Delete</zero>
</remote>
</MyVideoPlaylist>
<VirtualKeyboard>
<remote>
<back>BackSpace</back>
<star>Shift</star>
<hash>Symbols</hash>
<zero>Number0</zero>
<one>Number1</one>
<two>Number2</two>
<three>Number3</three>
<four>Number4</four>
<five>Number5</five>
```

<six>Number6</six>
<seven>Number7</seven>
<eight>Number8</eight>
<nine>Number9</nine>
<enter>Enter</enter>
<pageminus>CursorLeft</pageminus><pageplus>CursorRight</pageplus>
</remote>
</VirtualKeyboard>
<ContextMenu>
<remote>
<title>Back</title>
</remote>
</ContextMenu>
<Scripts>
<remote>
<info>info</info>
</remote>
</Scripts>
<NumericInput>
<remote>
<zero>Number0</zero>
<one>Number1</one>
<two>Number2</two>
<three>Number3</three>
<four>Number4</four>
<five>Number5</five>
<six>Number6</six>
<seven>Number7</seven>
<eight>Number8</eight>
<nine>Number9</nine>
<enter>Enter</enter>
<back>BackSpace</back>
</remote>
</NumericInput>
<MusicInformation>
<remote>
<info>Back</info>
</remote>
</MusicInformation>
<MovieInformation>
<remote>
<info>Back</info>
</remote>
</MovieInformation>
<LockSettings>
<remote>
<menu>Back</menu>
</remote>
</LockSettings>
<ProfileSettings>
<remote>
<menu>Back</menu>
</remote>


```

</ProfileSettings>
<PictureInfo>
<remote>
<skipplus>NextPicture</skipplus><skipminus>PreviousPicture</
skipminus>
<info>Back</info>
</remote>
</PictureInfo>
<Teletext>
<remote>
<zero>number0</zero>
<one>number1</one>
<two>number2</two>
<three>number3</three>
<four>number4</four>
<five>number5</five>
<six>number6</six>
<seven>number7</seven>
<eight>number8</eight>
<nine>number9</nine>
<red>Red</red>
<green>Green</green>
<yellow>Yellow</yellow>
<blue>Blue</blue>
<info>Info</info>
<menu>Back</menu>
<start>Back</start>
<teletext>Back</teletext>
</remote>
</Teletext>
<AddonSettings>
<remote>
<clear>Delete</clear>
</remote>
</AddonSettings>
</keymap>

```

4: INSERT IN XBMC keymaps folder the file lircmap.xml as follows:

```

<lircmap>
<remote device="Apple_A1156">
<up>KEY_UP</up>
<down>KEY_DOWN</down>
<left>KEY_LEFT</left>
<right>KEY_RIGHT</right>
<menu>KEY_MENU</menu>
<select>KEY_PLAY</select>
</remote>
</lircmap>

```

5: INSERT IN XBMC keymaps folder the file playfullscreen.py as follows:

```
import xbmc
xbmc.executebuiltin("Action(Select)")
xbmc.executebuiltin("Action(Fullscreen)")
```

THIS CONFIGURATION ALLOWS THE USE OF A SUITABLE RECEIVER (IE. MANTA TR1) + APPLE REMOTE TO MANAGE XBMC MEDIA CENTER ON LINUX.

MADE BY SIMONE BIANCHI USING FREELY AVAILABLE ELEMENTS.

IN PARTICULAR PLAYFULLSCREEN.PY ALLOWS TO START MUSIC REPRODUCTION DIRECTLY IN FULLSCREEN WITH VOLUME CONTROL. THIS CONFIGURATION HAS ALSO FULL VOLUME CONTROL IN THE INITIAL XBMC SCREEN. APPLE REMOTE ID IS DISABLED, EVERY APPLE REMOTE WILL BE RECOGNISED AS VALID.

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