

**WILLOBUILD IS NOW INSTALLED ONLINE RATHER THAN FLASHING BY USB.**

**THIS MEANS THAT WILLOBUILD CAN BE FLASHED TO THE MAJORITY OF OPENVIX SUPPORTED RECEIVERS**

YOUR BOX MUST HAVE A NETWORK CONNECTION AND YOUR STORAGE DRIVE SHOULD BE PLUGGED IN. (PREFERABLY FORMATTED AS EXT4).

UNLESS YOU'RE SETTING UP A NEW RECEIVER THIS WILL PROBABLY ALREADY BE OKAY.

CONNECT TO YOUR BOX USING PUTTY – ENTER IP ADDRESS OF BOX AND LOGIN WITH root.

PUTTY CAN BE DOWNLOADED HERE: <http://www.willobuild.net/files/Utilities/putty.zip>

THERE ARE INSTRUCTIONS IN THE ZIP FOLDER.

COPY THIS CODE AND RIGHT CLICK IN PUTTY TO PASTE AND THEN PRESS ENTER.

```
wget --no-check-certificate -O install_vix.sh http://www.willobuild.net/files/Scripts/install_vix.sh && bash install_vix.sh
```

ENTER THE NUMBER FOR BOX BRAND AND PRESS ENTER ON THE KEYBOARD.

ENTER THE NUMBER FOR BOX MODEL AND PRESS ENTER ON THE KEYBOARD.

ENTER THE PARTITION NUMBER TO BE FLASHED OR JUST PRESS ENTER IF YOU DON'T USE MULTIBOOT.

THE SCRIPT WILL DOWNLOAD THE WILLOBUILD SETTINGS BACKUP ZIP FILE AND THEN BACKUP LINES AND AUTOTIMER AND THEN FLASH THE LATEST VERSION OF OPENVIX.

AFTER REBOOT, ENTER YOUR VIDEO SETTINGS AND LANGUAGE WHEN THE SETUP WIZARD STARTS.

WHEN ASKED IF YOU WANT TO RESTORE SETTINGS, SELECT 'YES' AND THEN HIGHLIGHT

[willobuild-settings-backup-rel-5.2.tar.gz](#) AND PRESS OK.

WHEN ASKED IF YOU WANT TO RESTORE PLUGINS, SELECT 'YES' AND PRESS OK.

AFTER THE BOX HAS REBOOTED, YOU WILL SEE THE SETUP WIZARD.

ENTER THE VIDEO SETTINGS FOR YOUR TV

CHOOSE 'YES' AND ADJUST THE SCREEN TO FIT YOUR TV AND PRESS 'OK'.

**FOR NETWORK / INTERNET AND SAT TUNERS, JUST KEEP PRESSING 'OK' UNLESS YOU HAVE A NON-STANDARD SETUP.**

**CABLE TUNERS:**

CHANGE SERVICE SCAN TYPE FROM 'FREQUENCY STEPS' TO 'PROVIDER'.

CHANGE COUNTRY TO 'UNITED KINGDOM'.

MAKE SURE REGION IS 'VIRGIN MEDIA UK' AND PRESS 'OK'.



**SELECT 'NO, SCAN LATER MANUALLY' ON THE SERVICE SCAN SCREEN.**

**ON THE PLUGIN INSTALL SCREEN SELECT 'NO' AND PRESS 'OK'.**

**ON THE CHANGE SKIN SCREEN SELECT 'NO' AND PRESS 'OK'.**

**SETUP MOUNTS** (If required, should be correct)

Go to **MENU > SETUP > VIX > MOUNT MANAGER** and make sure USB/HDD is mounted as:

**/media/hdd** and **ext4 R/W**

**SETUP AUTOBOUQUETSMAKER REGION (CABLE)**

**MENU > SETUP > TUNER CONFIG > AUTOBOUQUETSMAKER > PROVIDERS**

(Takes a minute for providers to populate)

Change Sky (UK) area to your region

Change Virgin (UK) area to your region. (NetID)

Press green button OK and highlight 'Start Scan' and press OK.

Red button - exit when complete.

I've set this build up using dsayers2014's custom mix which combines working VM channels with SKY HD channels in the first bouquet.

For Sat or Cable only:

**MENU>SETUP>TUNER CONFIG>ABMCUSTOMMIX IMPORTER**

Set 'enable autofetch' to 'no' & Blue button (Delete File)

**EPG** (Set to save to /media/hdd/)

**MENU > SETUP > SYSTEM > EPG > EPG IMPORTER > YELLOW BUTTON (Manual)**

## LINES/SOFTCAMS

A line is a subscription that you buy to unscramble the premium channels like sport and movies.

I have produced a guide on softcams and lines here:

<http://www.willobuild.net/files/Guides/softcams-lines.pdf>

WilloBuild is set up to use Oscam as default but Cccam and Mgcamd are included, dependent on processor type.

### WilloBuild Button Functions

**Playback 10 Seconds Back** (POWER button)

**Playback 30 Seconds Back** (1 button)

**Playback 3 Minutes Back** (7 button)

**TV - History Back**  
**EPG - Previous Bouquet** (PREV button)

**Now, Next, More EPG** (OK button)

**Single EPG** (EPG button)

**Short - Plugin Menu** (EXIT button)

**Short - Timers / AutoTimers**  
**Long - HbbTV (Red Button)** (Red button)

**Playback 10 Seconds Forward** (MUTE button)

**Playback 30 Seconds Forward** (3 button)

**Playback 3 Minutes Forward** (9 button)

**TV - History Next**  
**EPG - Next Bouquet** (NEXT button)

**Now, Next, More EPG** (OK button)

**Infobar EPG** (INFO button)

**Main EPG - Page Up / Down** (CH PAGE button)

**Short - Bouquet List**  
**Long - Subtitles / Audio** (TEXT button)

**Short - Extensions**  
**Long - ViX Plugins** (TV button)

**MANY THANKS TO:**  
**KiddaC** for his amazing skins and JediMakerXstream IPTV plugin  
**Grog68** for his OpenViX script and Movie Organisor plugin  
**Dsayers2014** for his custom mix and picon downloader

**WilloBuild**

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