



## Receiver Firmware Update Instruction

New firmware now scans for our repeater frequencies 426 (output) and 440 (input). With this update the **HV-110/120/122** receiver will automatically scan for 426 and 440 at 4Mhz BW.

The repeater input/output frequencies are added in the Channel Manager for user selection.

This auto-scan is especially useful when the receiver requires a "Factory Reset" which deletes all frequencies In the Channel Manager. To check the version of your receiver, push the remote's "Menu" button then to Tools and read the version in the System Information.

The last 3 digits are the significant ones for your receiver model.

-Mel, KOPFX 28Oct22

The latest docs and firmware for the HiDes receivers may be downloaded here:

**HV-110      The FW version number is V0.0.1.72.166**

<https://www.dropbox.com/sh/k5879eg8yzezps2/AACi7gdA4JXWrlmvaVzvf1Vva?dl=0>

**HV-120      The FW version number is V0.0.5.72.166**

<https://www.dropbox.com/sh/qhpi655dx6l9qwp/AABrYd3314f1AOUcBp0lseWra?dl=0>

**HV-122      The FW version number is V0.0.6.72.166**

<https://www.dropbox.com/sh/ytmium0z967vfy7/AABwHtdFp-8qaaGxrLLn1cwEa?dl=0>.

This instruction supplements the receiver's Quick Start Guide (QSG) document. Edits add detail and are highlighted in **green**.

Follow this instruction for Version x.166 and up firmware

1. Copy the firmware image file "dtv.img" to the root directory of a micro-SD card.
2. The micro-SD card **must** be formatted in FAT32 (should be default). 4 to 32MB.
3. **Delete the file dtv.temp.img on the SD card if it exists from a previous update.**  
**dtv.img will change to dtv.temp.img after the firmware has been updated.**

If there is no slot in your receiver. The front panel must be removed to gain access.

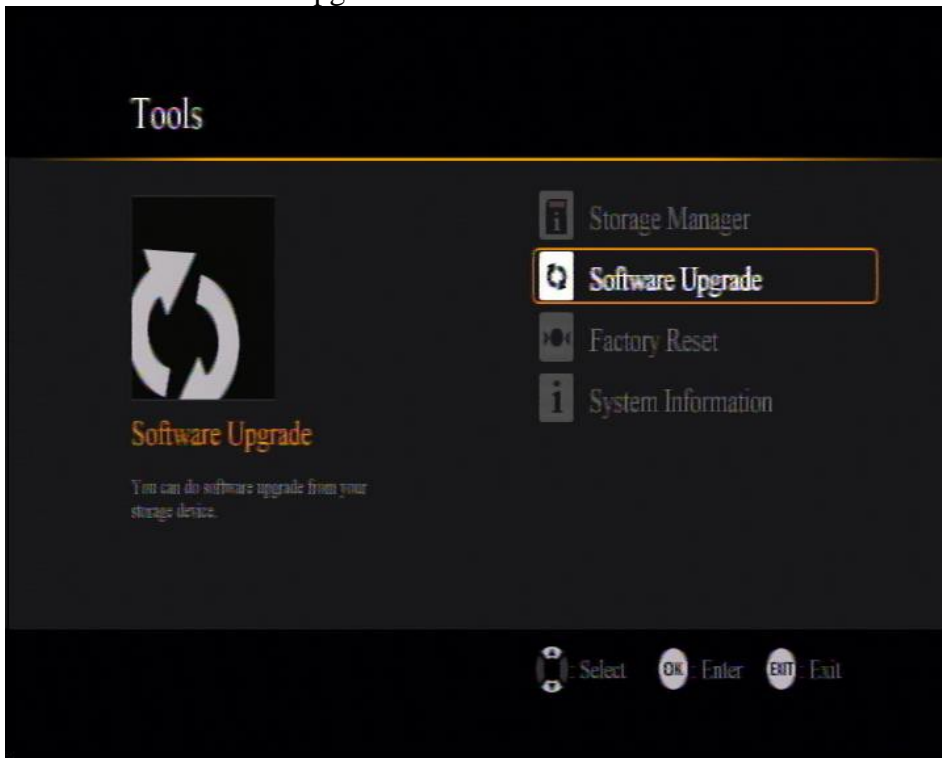
If needed...Open the front panel on the receiver box by removing the four screws.

**Later versions have a "slot" in front panel. HV-110 rear panel switch must be down.**

5. Receiver power should be turned on now. Go to MENU.
6. Use arrow down key and click on Tools then Software Upgrade



7. Select “Software Upgrade”



8. Plug in the micro-SD  
**Be sure power is ON. The card must be fully inserted before releasing or it will fly back out of the connector!**

[WWW.HIDES.COM.TW](http://WWW.HIDES.COM.TW)



9. Select “Upgrade by SD Card”



Upgrade by SD Card

You can upgrade firmware by SD card

Upgrade by USB

Upgrade by SD Card

Select OK Enter EXIT Exit

10. Select "Yes"



Upgrad

You can upg



The operation will upgrade software. Are you sure to process?

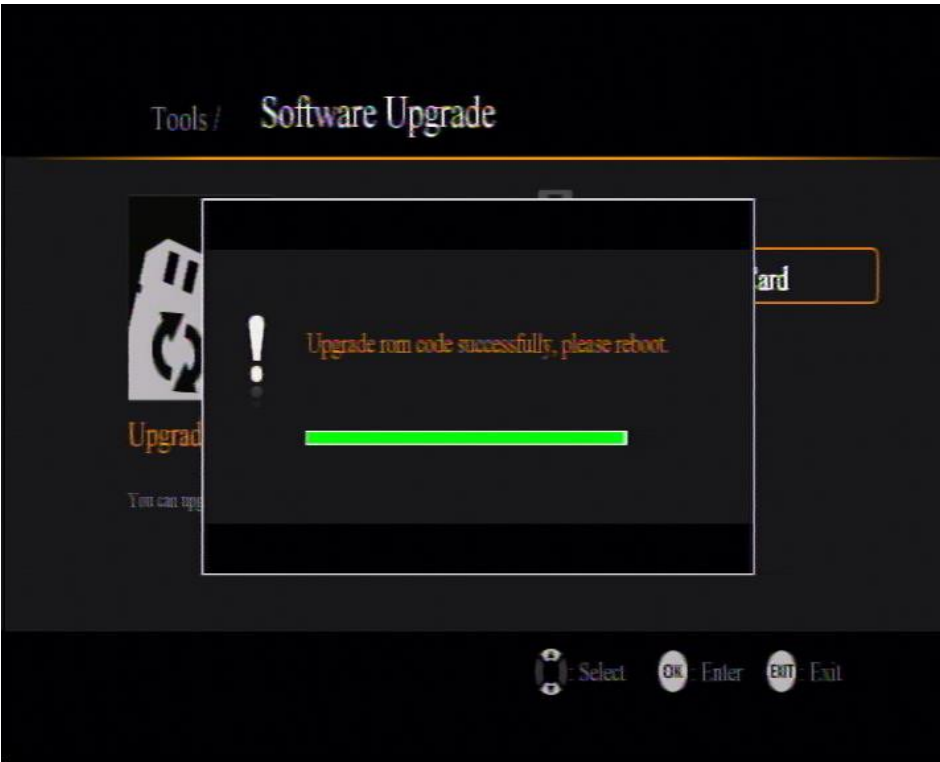
Yes

No

Select OK Enter EXIT Exit

11. When the progress bar reaches the end (**stops**), the update is done.

**Note: DO NOT TURN OFF POWER DURING THE UPDATE!!!!**



**12. Remove the micro-SD card first, power off, then power on the receiver.**

**A prompt will display when the card is removed.**

**Note: If you do not remove the SD card, the reboot will fail!**

After power up, the receiver's MENU should be displayed on your TV/monitor.

The red 5x7 segment channel LEDs should show "01" rather than 88 as given in QSG.

The receiver will scan for frequencies in the Channel Manager (1 to 4). "0" is reserved for "User Defined" channels. You may read more about more about set up for these in the SLATS document HIDES RX CUSTOM CHANNEL LIST.

The receiver is now in the "default mode." For SLATS repeater use, the following changes are made under the SETTINGS/Display Preference menu:

- 1 – Display Preference – verify Display Mode is **1080P60**. 1080I60 will work also.
- 2 – PAT Mismatched – change to **Disable**
- 3 – Low Latency Mode – **Off** (this can cause a decode problem if not OFF!)
- 4 – Keep Last Video – verify it is **OFF**

5 – Warning Message – verify it is **OFF**

NOTE: Be sure to push OK to **SAVE** the changes. EXIT and go back to the MENU.

Now, finally... it is time to “scan” for the repeater’s frequency output 426000KHz.

If no one is using the repeater, turn it on by changing its HDMI Port to #2 (media).

Refer to instructions you should have for using the “Remote Base Touch-Tone

Commands.” For security, the description of the repeater control commands

should never be given over-the-air. Be very careful when entering the command

and do not pause when keying in the Touch Tone command.

6 – Go to MENU’s INSTALLATION and then Country to select the US frequencies.

7 – For Country, Select ATV(US)-2/3/4M then push OK.

8 – A pop up menu will ask, “Do you want to reinstall channel list?” – Answer YES

9– Scanning will start. This takes a while. SLATS repeater frequencies are

scanned *near the end* of the scan and are “out of order” with the other frequencies.

10 – After the frequency at 4 MHz BW is scanned, the signal LED will change to

GREEN indicating the transmission parameters have been decoded. The

receiver is now on 426000 KHz output frequency. The receiver should be

displaying the repeater on your TV/Monitor. If not, reboot the receiver and

check the Channel Manager. If the frequencies are not in the Channel Manager,

then try scanning again.

11 – After a successful scan, turn off the repeater using the “HDMI Switch Reset”

TT Command which will put the repeater back in normal RX mode.

12 – Next, the repeater’s input 440000 KHz at 4 MHz BW frequency needs to be

scanned so you can monitor your signal while working the repeater. Turn

on your transmitter and be sure it is set to 440000 KHz.

13 – Go to MENU. Country (ATV)US-2/3/4M) should already be set.

Push the OK button.

14 – A pop up menu will ask, “Do you want to reinstall channel list?” – Answer **NO**

(You want to keep the 426000 KHz previously scanned in the Channel

manager and just add 440000 KHz).

15 – At the completion of the scan, the receiver should be decoding 440000 KHz (your transmitter output frequency) on your TV or monitor screen.

The receiver's display LED, should now display 01 for 426 and 02 for 440.

16 – The frequencies should be listed in the Channel Manager (go to MENU then Channel Manager and verify). They will be shown as Channel 1 and 2.

17 – To change frequencies, use the Remote's CH- or CH+ button. If you have a HV-120 or 122, the front panel buttons maybe used instead. The signal LED will momentarily change from RED to GREEN while it is decoding the frequency change. There is some "latency" when channels are changed.