



Radio Firmware Loader

for Android Platform

Application Notes

Version 1.0

Last Revised 22.10.2015

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HPT Radio Firmware Loader

This free application is designed to load and/or update the JAVAD HPT radios' firmware using USB cable.

Note: It is compatible with HPT radio models equipped with USB and Android 3.0 and newer devices.

Download the application from Google Play Market: https://play.google.com/store/apps/details?id=com.javad.firmwarehpt_usb&hl=en

Use USB cable (Access Data-USB-Pwr Cable, USB/DB15/SAE (1,8m) for HPT404BT) to connect your radio with an Android device and a standard USB converter cable suitable for this Android device (e.g. USB host to microUSB converter cable).



Figure 1.

Connect the devices as shown on the picture below:



Figure 2.

Connect JAVAD HPT radio to Android device USB port and the application runs automatically.

Select *HPT Firmware Loaded* and click *Just Once* button to start it.



Figure 3.

The application connects to the radio and reads its information.

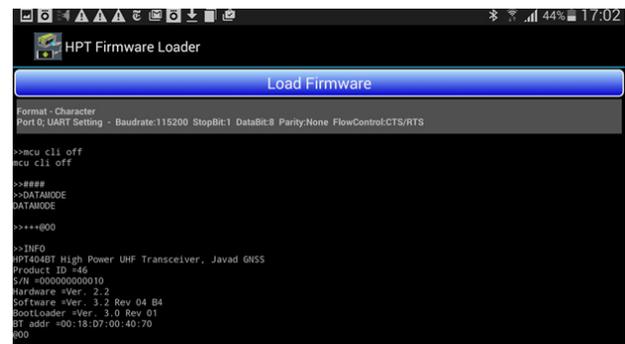


Figure 4.

Click the button *Load Firmware* and the list of available files appears. Select the required firmware file name and click to start the firmware loading.

The button changes to *Stop Sending* button and the upload progress will be shown below it:

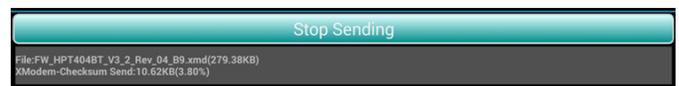


Figure 5.

When finished, the radio data will be reset, the radio will be restarted.

New radio information will be shown on the screen:

```

HPT Firmware Loader
Load Firmware
Format - Character
Port 0: UART Setting - Baudrate:115200 StopBit:1 DataBit:8 Parity:None FlowControl:CTS/RTS

-->mcu cli off
mcu cli off
001
001

-->####
-->DATAMODE
DATAMODE
001

-->####000

-->INFO
HPT404BT High Power UHF Transceiver, Javad GNSS
Product ID =45
S/N =000000000010
Hardware =Ver. 2.2
Software =Ver. 3.2 Rev 04 B4
Bootloader =Ver. 3.0 Rev 01
BT addr =00:18:D7:00:40:70
000

-->mcu cli off
mcu cli off
001
001

-->####
-->DATAMODE
DATAMODE
001

-->####000

-->DATAMODE
DATAMODE
001

-->####000

-->xmod image
x
Saving File.....
Erasing Flash.....
Storing Data
Writing to
Flash.....
.....
File Successfully Written
000

-->mcu cli off
mcu cli off
001
001

-->####
-->DATAMODE
DATAMODE
001

-->####000

-->BOOT
Rebooting in progress...

HPT404BT Real Time Firmware Version 3.2 Rev 04 B9 Oct 6 2015

```

Figure 6.



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