

Intel® WiDi Gen5/6 Actiontec Receiver HDCP2 Facsimile Test Firmware & Instructions

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Intel WiDi HDCP2 Test Dependencies

Back Ground:

- Intel pre production silicon based platforms only support pre production ME/TXE firmware which only support facsimile HDCP2 keys by design.
- Production HDCP2 Keys are only supported on Production Intel silicon based platforms that can and are running production ME/TXE firmware and MEI/TXEI Drivers with latest Intel HD Graphics Driver for your respective platform under test.

Impact to validation:

- HDCP2 authentication will not succeed when the HDCP2 key types do not match.

Examples:

- Production HDCP2 key and Facsimile HDCP2 key combinations will **Fail** authentication
- Facsimile HDCP2 key and Facsimile HDCP2 key combinations will **Pass** authentication
- Production HDCP2 key and Production HDCP2 Key combinations will **Pass** authentication

OEM Call to Action:

- OEMs that are planning to validate HDCP2 with preproduction Intel silicon based platforms will need to use the ActionTec* HDCP2 Facsimile Key Script to enable the use of Facsimile Key on the ActionTec receiver.
- OEMs that already have or are planning to wait for Production Intel based silicon should use the Production Actiontec firmware.

See detailed instructions on using the facsimile key on the next slide if and when needed to enable HDCP2 testing with Intel Pre production silicon based platforms. …

How to Enabled Actiontec HDCP Facsimile Key

The following are the instruction for changing HDCP2 key type of Actiontec receiver to “facsimile”

Note: When you update the ActionTec* receiver with a new firmware, the default key type is production key.

1. Disconnect the connection between the WiDi source PC and the ActionTec receiver and leave the Receiver power at the ready for connection Screen.

2. Prepare USB thumb drive.

3. Create a folder "autorun" in the root of USB thumb drive.

== to change key type to facsimile key =

a. copy facsimilekey_22.sh into "autorun\".

== to change key type to production key =

a. Update the receiver with the Production firmware

5. Plug the USB thumb drive into the adapter

6. Please wait until the adapter setting is well applied and the receiver saves some logs into the USB thumb drive.
7. Note: It takes about 10 sec after you plug USB thumb drive into the adapter.

8. After 10 sec, unplug the USB thumb drive and check it. You will see "dbgstate.txt" in the root directory.

- **It has the information of current adapter setting.**
- **If FACSIM=on, then the adapter runs with facsimile key.**
- **if FACSIM=off, then the adapter runs with production key.**

9. You can see "ScreenBeam Wireless Display" message on the TV screen if the key is production key.
10. You can see "Using Facsimile Key" message on the TV screen if the key is facsimile key.

Picture of the Actiontec Screen when using/running facsimile key on Next page for reference.

Screen Shot of the ActionTec Receiver When Running the "Facsimile" Key for Reference

