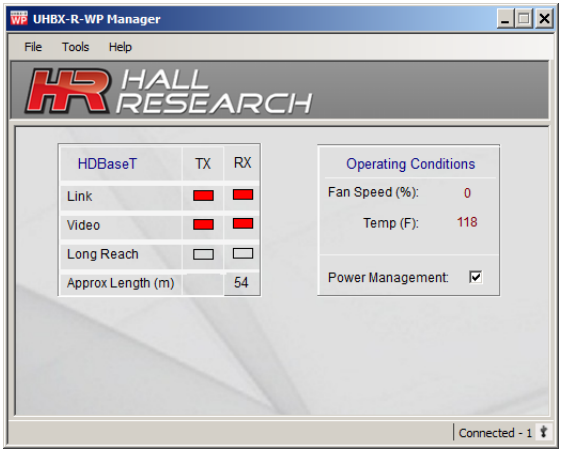

Manager Software for the UHBX-R-WP HDBT Receiver Extender

UMA1245 GUI Supplement Rev n/c

CUSTOMER SUPPORT INFORMATION

FREE support, Call **714-641-6607** or email **support@hallresearch.com**
Hall Research, 1163 Warner Ave., Tustin, CA 92780
Web site: **www.hallresearch.com**

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1. Windows™ Software Installation

1.1. General

The UHBX-R-WP graphical user interface (GUI) is a Windows® software used to view the HDBaseT® input status, to configure advanced settings, or to update a new firmware version of the UHBX-R-WP. Use of the software requires USB connection of the PC to the device. For convenience, a USB cable is provided with the receiver.

1.2. Installation Prerequisites

- PC with Windows XP™ OS or later
- USB port

- Microsoft™ .NET Framework 2.0 or later (most recent OS including Windows 7, 8 and 10 typically include this and no action is required). If .NET Framework 2.0 or later is not installed on your PC, the Microsoft™ website has free downloads available.

1.3. Installing the Software

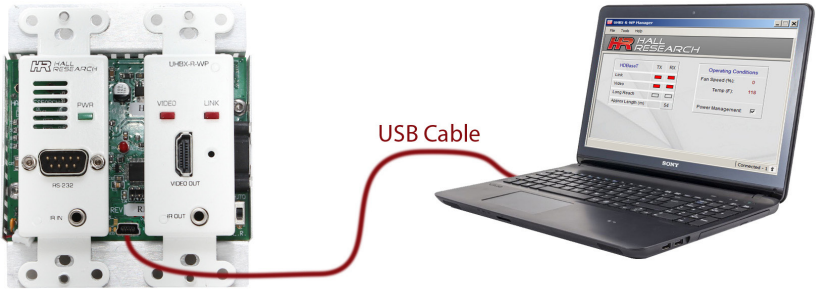
- If an earlier version of this software was previously installed, UNINSTALL the program first from either the Add/Remove Programs section of the control panel or by running the previous installation SETUP.EXE and selecting “remove application”.
- Install the software by executing the SETUP.EXE program from the installation source directory
- Accept the default settings, but if you want to specify a particular installation directory other than the default, you may do so.
- Once the UHBX-R-WP software installation has completed, either click the desktop icon

  or from the Start Menu: Start ⇨ Programs ⇨ Hall Research ⇨ UHBX-R-WP

2. Using the Software

2.1. General

The UHBX-R-WP Manager is a Windows software that can be used to view the HDBaseT® input status, to configure advanced settings, or to update a new firmware version of the HDBT receiver extender via a USB connection.



2.2. USB Device Detection

The Manager Software automatically configures the USB port after connection to the device. No special USB driver installation is required by the user.

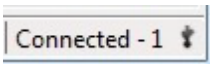
The first time you connect the device to a PC, you may experience a short delay while Windows automatically installs the required USB drivers. This only happens once.

Notice *If you start the Manager software without the USB port attached, the on-screen fields are disabled (grayed out). The instant you connect the USB cable, the GUI fields will become active.*

2.2.1. USB Connection Status

The GUI shows USB connection status and the number of detected receivers on the bottom right corner of the status bar. If no USB device is detected the Status bar shows a message indicating that the GUI is waiting for a connection as shown below.

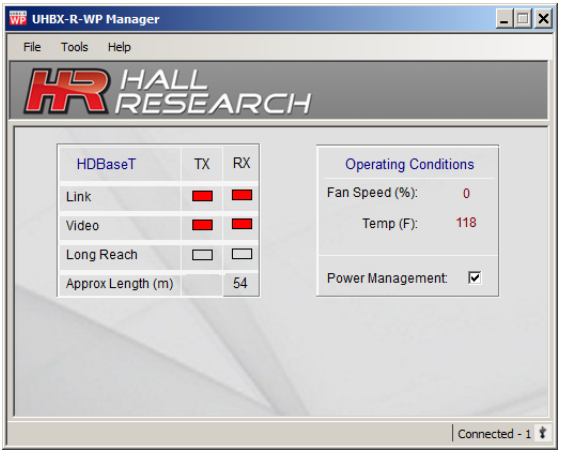
GUI is waiting for USB connection to receiver



GUI has detected one device connected

2.3. Main Page

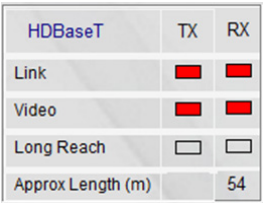
The main page displays the HDBaseT® input status and the device's operating conditions in addition to allowing the user to set its power management.



HDBaseT

The HDBaseT input has LEDs to indicate its Link, Video, and Long Reach status. In addition, the cable length is also shown when applicable. However, the calculation may vary according to cable quality.

When the LED is on, it means the indicated status is detected. When it is off, its status is not present.



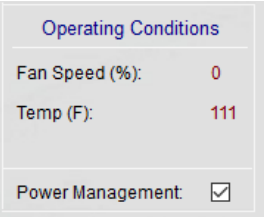
Notice

The UHBX-R-WP receiver has a Switch behind the face cover and next to the IR Out connector that can change its mode between Auto/Std and Long Reach modes.

When set to Long Reach mode, the HDBaseT input will have the strongest signal from the sender to the receiver. However, this mode does not support deep color or 4K video.

Operating Conditions

The UHBX-R-WP Manager displays the current temperature and the fan speed of the device in addition to allowing the user to set the power management.



- **Temp and Fan Speed Indicators** – The temperature reading can get pretty high as it indicates the highest temperature on the circuit board ICs and can get as high as 150 °F. The fan speed can change from 0% (fan is stopped) to 100% fan is operating at 100%. The fan only comes on if it needs to and only operates at the minimum speed it need to to maintain proper operating condition. If the temperature gets too high and the fan cannot cool the unit, then the system will go to low power mode until the internal temperature returns to acceptable levels.

- **Power Management** – When it is checked, the UHBX-R-WP always monitors the

> When the input or output Link LED is flashing, it is indicating the HDBaseT input is in Low Power mode due to either +5V video source or HPD sink LCD being not detected.

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nce of a source and TV/Projector. If neither is detected, the device will be in low power mode. When it is not checked, the HDBaseT input will always operate either in Auto or Long Reach mode.

By default “Power Management” is turned on. A characteristic of HDBaseT chipset is that in low power mode it only supports RS-232 up to 9600 baud. So if power mgmt is active (default) and you want to send RS-232 commands having higher baud-rate than 9600, the data may not go through when there is no video being extended.

The UHBX-R-WP does have a wakeup on RS-232 function so even if it is in low power mode, it will wake up and go into full power mode if it detects RS-232 data coming through. Therefore users may have to send the command twice if there is no video. The first command wakes up the system and after a short delay, the repeated command will go through error free.

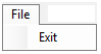
If you are using RS-232 communication when there is no video and do not want to send commands twice as described above, then you can turn the power management feature off.

2.4. Tool Bar Menu

The UHBX-R-WP Manager toolbar consists of three main menus.

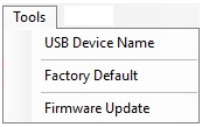
File

The **File** menu consists of the Exit selection as shown.



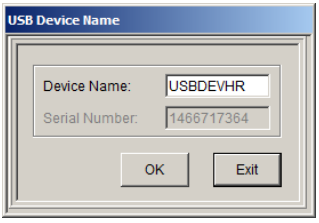
- **Exit** – Exit the UHBX-R-WP Manager.

Tools



- **USB Device Name** – Each receiver can be assigned a unique name up to 10 characters. By default all receivers are called USBDEVHR as shipped but if you are going to configure a number of receivers differently, then you may wish to assign different names to them that indicate room number or configuration type.

  The USB Device Name window is shown. When a name is assigned, click the OK button to save the name.



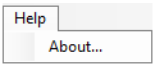
Factory Default – Restore the device to factory default settings.

- **Firmware Update** – Allow you to update any future device firmware.

Help

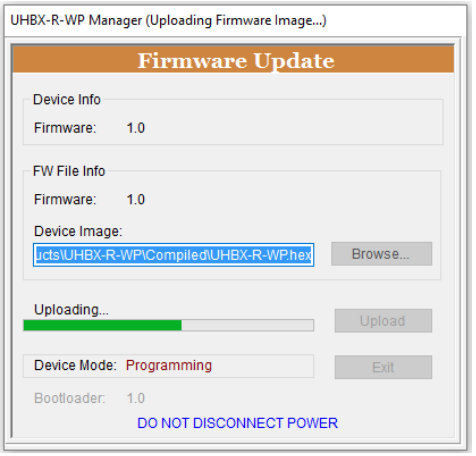
The **Help** menu has the About selection as shown.

- **About**… - Display the current version of UHBX-R-WP Manager, device firmware, and USB serial number.



2.5. Firmware Update

The firmware update can be found under the **Tools** menu. When the **Firmware Update** is selected, the UHBX-R-WP Manager will open a Firmware Update window as shown.



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