

Software GUI User's Manual





EDID & Configuration Manager Software for the UHBX-3S

CUSTOMER SUPPORT INFORMATION

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1. Windows[™] Software Installation

1.1. General

The UHBX-3S graphical user interface (GUI) is Windows[™] software used to configure advanced settings of the UHBX-3S. Use of the software requires USB connection of the PC to the device. For convenience, a USB cable is provided with each device.

The GUI can be used to monitor and configure several devices simultaneously. So for PC's that have multiple USB ports or with the use of external USB hubs, it is possible to use the same GUI and address each device individually.

1.2. Installation Prerequisites

- A PC with Windows XP[™] OS or later
- USB port
- Microsoft[™] .NET Framework 2.0 or later (most recent OS including Windows 7 and 8 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. Software Installation

- If an earlier version of this particular 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-3S software installation has completed, either click the desktop icon or navigate the Start Menu to



Start ⇒ Programs ⇒ Hall Research ⇒ UHBX-3S Manager

2. Using the Software

2.1. General

The UHBX-3S Manager is a Windows GUI that can be installed to remotely control and monitor the UHBX-3S device via a USB connection. It also provides you an ability to manage the EDID by learning it from a desired LCD monitor connected to any output, importing any custom EDID into the device, exporting the device's EDID to a file, updating any future firmware into the device, and many more.

2.2. USB Device Detection

The UHBX-3S Manager automatically configures the USB port after connection to the device (using standard Windows[™] USB drivers) and does not require any special USB drivers to be installed.

Once connected to a USB port, the Windows[™] system will detect and use the appropriate USB driver. The first time you connect the device to the PC, you may experience a short delay and a windows notification pop-up message may be shown.

This detection and driver installation only occurs when the UHBX-3S is connected to the PC for the first time. Afterwards, reconnected devices automatically configure themselves with no delay or message.

 If no UHBX-3S device is attached to the PC, the on-screen fields are disabled (grayed out)

UHBX-3S

ile Tools Help					
USBDEVHR					
Control		Status			
EDID					
 Emulate 	Input Video	HDBaseT	1	2	3
Pass-thru	HDMI O	Link	0	0	0
Learn Local 👻	HDCP O	Video	0	0	0
Set RS232 Start Channel	DVI O	Long Reach	0	0	0
		PoH	0	0	0
		Approx Length (m)	0	0	0
Output: 0 Baud: 115200 Panty: None Miscellaneous Cycle HPD C Power Management Mideo Blanked	X				
Output: 0 Baud: 115200 Pathy: None Miscellaneous Cycle HPD Power Management Video Blanked Outputs 0-3.	X				
Output: 0 Baud: 115200 Parthy: None Octode HPD Octode HPD Power Management Video Blankad Outputs: 0 - 3 Outputs: 0 - 3	X				
Output: 0 Baud: 115200 Parth: None Miscelaneous Cycle HPD Power Management Video Blanked Outputs 0 - 3.	X				

 Once, the UHBX-3S Manager detects a valid connected UHBX-3S device, its control and status menu will be enabled as shown in below.

File Tools Help																
USBDEVHR																
Control							- 8	Stat	us							
EDID																
Emulate	Inp	ut Vi	deo						HD	Base	т		1	2	2	3
Pass-thru	чо	м							link							
	110								LIIIK				-			
Learn Local -	HD	CP	•						Video				•	•	•	•
Set RS232 Start Channel	DV		0						Long	Read	h		0	C)	•
									PoH							
Output 1 1									Annro	vlar	oth ((m)	40	6	· .	n/a
									hppic	ALGI	iguin	(III)	40	0.		n/a
Ourseat Occase attace																
Current Connection																
Current Connection Output: 3																
Current Connection Output: 3 Baud: 115200	1									2	~	2				
Current Connection Output: 3 Baud: 115200 Parity: None							D	DID 1	able	2						
Current Connection Output: 3 Baud: 115200 Parity: None Miscellaneous		00	01	02	03	04	D) 05 (DID 1 06 07	able 08	09	0A	OB	0C	0D	0E	OF
Current Connection Output: 3 Baud: 115200 Parity: None Missellaneous	00	00	01 FF	02 FF 01	03 FF 03	04 FF 1	05 (FF F	DID 1 06 07 F 00	able 08 22	09 49 EE	0A 00	0B 02	0C	0D 00	0E	0F
Current Connection Output 3 Baud: 115200 Parity: None Miscellaneous Cycle HPD	00 01 02	00 00 0B 0F	01 FF 16 50	02 FF 01 54	03 FF 03 3F	04 (FF 80 (CF (05 (FF F 00 (00 8	DIID 1 D6 07 =F 00 00 8C 31 C0	08 22 EA 81	09 49 EE 99	0A 00 91 90	0B 02 A3 40	0C 00 54 95	0D 00 4C 00	0E 00 99	0F 00 26 40
Current Connection Output: 3 Baud: 115200 Parity: None Miscellaneous Cycle HPD Parity: Naneouse	00 01 02 03	00 00 0F B3	01 FF 16 50 00	02 FF 01 54 D1	03 FF 03 3F C0	04 FF I 80 0 CF 0 D1 0	05 (FF F 00 (00 8 00 2	DID 1 06 07 FF 00 00 8C 31 C0 2E 1D	able 08 22 EA 81 00	09 49 EE 99 80	0A 00 91 90 51	0B 02 A3 40 D0	0C 00 54 95 1C	0D 00 4C 00 20	0E 00 99 A9 40	0F 00 26 40 80
Current Connection Output: 3 Baud: 115200 Parity: None Miscellaneous Cycle HPD V Power Management	00 01 02 03 04	00 00 0F B3 35	01 FF 16 50 00 00	02 FF 01 54 D1 00	03 FF 03 3F C0 00	04 FF B 80 0 CF 0 D1 0	05 0 FF F 00 0 800 2 00 2	DID 1 06 07 FF 00 00 8C 31 C0 2E 1D 00 1E	08 22 EA 81 00 B8	09 49 EE 99 80 20	0A 00 91 90 51 00	0B 02 A3 40 D0 90	00 54 95 1C 51	0D 00 4C 00 20 20	0E 00 99 40 1F	0F 00 26 40 80 30
Current Connection Output 3 Baud: 115200 Parity: None Miscellaneous Cycle HPD V Power Management	00 01 02 03 04 05	00 00 0F B3 35 48	01 FF 16 50 00 00 80	02 FF 01 54 D1 00 36	03 FF 03 3F C0 00 00	04 FF F 80 0 D1 0 00 0	15) 05 (05 (00 (00 2 00 (00 (00 (00 (DID 1 06 07 FF 00 00 8C 31 C0 2E 1D 00 1E 00 00	08 22 EA 81 00 B8 00	09 49 EE 99 80 20 1A	0A 00 91 90 51 00 07	0B 02 A3 40 D0 90 3F	0C 00 54 95 1C 51 40	0D 00 4C 00 20 20 30	0E 00 99 40 1F 62	0F 00 26 40 80 30 B0
Current Connection Output: 3 Baud: 115200 Parity: None Miscellaneous Cycle HPD V Power Management Video Blanked	00 01 02 03 04 05 06	00 00 0F B3 35 48 2D	01 FF 16 50 00 80 40	02 FF 01 54 D1 00 36 70	03 FF 03 3F C0 00 00 A8	04 FF B 80 CF 0 D1 0 00 0 35 0	ID 05 0 FF F 00 0 00 2 00 0 00 0 00 0 00 0 00 0	DID 1 D6 07 FF 00 00 8C 31 C0 2E 1D 00 1E 00 00 00 00	08 22 EA 81 00 B8 00 00	09 49 EE 99 80 20 1A 00	0A 00 91 90 51 00 07 00	0B 02 A3 40 D0 90 3F 1A	0C 00 54 95 1C 51 40 2B	0D 00 4C 00 20 20 30 39	0E 00 99 40 1F 62 90	0F 00 26 40 80 30 80 30
Current Connection Output 3 Baud: 115200 Parity: None Miscellaneous Cycle HPD Video Blanked Video Blanked	00 01 02 03 04 05 06 07	00 00 0F B3 35 48 2D 62	01 FF 16 50 00 80 40 1A	02 FF 01 54 D1 00 36 70 27	03 FF 03 3F C0 00 00 A8 40	04 FF F F F F F F F F F F F F F F F F F	05 (FF F 00 (00 2 00 (00 (00 (00 (00 (00 (DIID 1 06 07 FF 00 00 8C 31 C0 2E 1D 00 1E 00 00 00 00 36 00	Cable 08 22 EA 81 00 B8 00 00 00	09 49 EE 99 80 20 1A 00 00	0A 00 91 90 51 00 07 00 00	0B 02 A3 40 D0 90 3F 1A 00	0C 00 54 95 1C 51 40 2B 00	00 4C 00 20 20 30 39 1A	0E 00 99 40 1F 62 90 01	0F 00 26 40 80 30 80 30 F7
Current Connection Output: 3 Baud: 115200 Parity: None Miscellaneous Cycle HPD Power Management Video Blanked Outputs 0 - 3:	00 01 02 03 04 05 06 07 08	00 00 08 0F 83 35 48 2D 62 02	01 FF 16 50 00 80 40 1A 03	02 FF 01 54 D1 00 36 70 27 20	03 FF 03 3F C0 00 00 A8 40 F2	04 FF 9 80 0 D1 0 00 0 35 0 68 E 46 1	05 (FF F 00 0 00 2 00 0 00 0 00 0 00 0 30 3 86 8	DID 1 06 07 FF 00 00 8C 31 C0 2E 1D 00 1E 00 00 00 00 36 00 32 04	able 08 22 EA 81 00 B8 00 00 00	09 49 EE 99 80 20 1A 00 00 10	0A 00 91 90 51 00 07 00 00 1F	0B 02 A3 40 D0 90 3F 1A 00 29	0C 00 54 95 1C 51 40 2B 00 09	0D 4C 00 20 20 30 39 1A 7F	0E 00 99 40 1F 62 90 01 07	0F 00 26 40 80 30 80 30 F7 15
Current Connection Output 3 Baud: 115200 Parity: None Miscellaneous Cycle HPD Power Management Video Blanked Outputs 0 - 3:	00 01 02 03 04 05 06 07 08 09	00 00 0F 83 35 48 2D 62 02 07	01 FF 16 50 00 00 80 40 1A 03 50	02 FF 01 54 D1 00 36 70 27 20 3E	03 FF 03 3F C0 00 00 A8 40 F2 06	04 FF 8 80 0 CF 0 00 0 35 0 68 E 46 3 CO 3	05 (05 (00 8 00 2 00 0 00 0	DID 1 D6 07 FF 00 00 8C 31 C0 2E 1D 00 1E 00 00 00 00 36 00 32 04 1F 00	able 08 22 EA 81 00 B8 00 00 00 00 00 00 00	09 49 EE 99 80 20 1A 00 00 10 66	0A 00 91 90 51 00 07 00 00 1F 03	0B 02 A3 40 D0 90 3F 1A 00 29 0C	00 54 95 1C 51 40 2B 00 09	0D 00 4C 00 20 20 30 39 1A 7F 00	0E 00 99 40 1F 62 90 01 07 00	0F 00 26 40 80 30 80 30 57 15 80
Current Connection Output: 3 Baud: 115200 Parity: None Miscellaneous Cycle HPD Power Management Video Blanked Outputs 0 - 3: Set HDBaseT	00 01 02 03 04 05 06 07 08 09 0A	00 00 0F 83 35 48 2D 62 02 07 02	01 FF 16 50 00 00 80 40 1A 03 50 3A	02 FF 01 54 D1 00 36 70 27 20 3E 80	03 FF 03 3F C0 00 00 A8 40 F2 06 18	04 FF F F F F F F F F F F F F F F F F F	D 05 0 07 0 08 0 09 0 00 0 00 0 00 0 00 0 000 0	DIDI 06 07 FF 00 00 8C 31 C0 2E 1D 00 1E 00 00 00 00 36 00 32 04 1F 00 22 40	Cable 08 22 EA 81 00 B8 00 00 00 00 00 00 00 00 00 00 00 00	09 49 EE 99 80 20 1A 00 00 10 66 2C	0A 00 91 90 51 00 07 00 00 1F 03 45	0B 02 A3 40 D0 90 3F 1A 00 29 0C 00	0C 00 54 95 1C 51 2B 00 09 00	0D 00 4C 20 20 30 39 1A 7F 00 00	0E 00 99 40 1F 62 90 01 07 00 00	0F 00 26 40 80 30 80 30 F7 15 80 00
Current Connection Output: 3 Baud: 115200 Parity: None Miscellaneous Cycle HPD Power Management Video Blanked Outputs 0 - 3: Set HDBaseT Mode 1 2 3	00 01 02 03 04 05 06 07 07 09 0A 08	00 00 0F B3 35 48 2D 62 02 07 02 00	01 FF 16 50 00 80 40 1A 03 50 3A 1E	02 FF 01 54 D1 00 36 70 27 20 3E 80 02	03 FF 03 3F C0 00 00 A8 40 F2 06 18 3A	04 FF F F F F F F F F F F F F F F F F F	DI 05 (FF F 00 (000 (DIDI D6 07 ====================================	08 08 22 EA 81 00 00 00 00 00 00 00 00 00 00 00 00 00	09 49 EE 99 80 20 1A 00 00 10 66 2C 40	0A 00 91 90 51 00 07 00 00 1F 03 45 10	0B 02 A3 40 D0 90 3F 1A 00 29 0C 00 20	0C 00 54 95 1C 51 40 09 00 00 00 45	0D 00 4C 20 20 30 39 1A 7F 00 00 80	0E 00 99 40 1F 62 90 01 07 00 00 00	0F 00 26 40 30 80 30 80 30 F7 15 80 00
Current Connection Output: 3 Baud: 115200 Parity: None Miscellaneous Cycle HPD Power Management Video Blanked Outputs 0 - 3: Set HDBaseT Mode 1 2 3	00 01 02 03 04 05 06 07 08 09 0A 08 00 00 00 00 00 00 00 00 00 00 00 00	00 08 0F 83 35 48 2D 62 02 07 02 00 00	01 FF 16 50 00 80 40 1A 03 50 3A 1E 00	02 FF 01 54 D1 00 36 70 27 20 3E 80 02 00	03 FF 03 3F C0 00 00 A8 40 F2 06 18 3A 1E	04 0 FF 8 80 0 CF 0 00 0 35 0 68 E 46 4 71 2 80 0 01 2	DI 05 (FF F 00 (000 (DIID 1 D6 07 FF 00 00 8C 31 C0 2E 1D 00 1E 00 00 36 00 32 04 1F 00 2D 40 72 38 30 72 34 40	08 08 22 EA 81 00 00 00 00 00 00 00 00 00 00 00 00 00	09 49 EE 99 80 20 1A 00 00 10 66 2C 40 D0	0A 00 91 90 51 00 07 00 07 00 1F 03 45 10 1E	0B 02 A3 40 D0 90 3F 1A 00 29 0C 00 2C 20	0C 00 54 95 1C 51 40 2B 00 09 00 00 45 6E	0D 00 4C 20 20 30 39 1A 7F 00 00 80 28	0E 00 99 40 1F 62 90 01 07 00 00 00 00 55	0F 00 26 40 30 80 30 57 15 80 00 00 00
Current Connection Output: 3 Baud: 115200 Parity: None Miscellaneous Cycle HPD Power Management Video Blanked Outputs 0 - 3: Set HDBaseT Mode 1 2 3 Auto 0 0 0	00 01 02 03 04 05 06 07 08 09 0A 08 00 00 00	00 00 0F 83 35 48 2D 62 02 07 02 00 00 00	01 FF 16 50 00 00 80 40 1A 03 50 3A 1E 00 00	02 FF 01 54 D1 00 36 70 27 20 3E 80 02 00 00	03 FF 03 3F C0 00 00 00 A8 40 F2 06 18 3A 1E 00	04 FF 6 68 F 6 6	D 05 0 07 0 08 0 09 0 00 0 00 0 00 0 00 0 00 0 00 0 00 0 00 0 00 0 00 0 00 1 0 1 0 1 0 1	DID 1 D6 07 FF 00 00 8C 31 C0 2E 1D 00 00 36 00 32 04 1F 00 22 38 30 72 38 30 72 31 D	Cable 08 22 EA 81 00 00 00 00 00 00 00 00 00 00 00 00 00	09 49 EE 99 80 20 1A 00 00 10 66 2C 40 D0 BCC	0A 00 91 90 51 00 07 00 07 00 1F 03 45 10 1E 52	0B 02 A3 40 90 3F 1A 00 29 0C 00 2C 20 D0	0C 00 54 95 1C 51 40 2B 00 09 00 00 45 6E 1E	0D 00 4C 00 20 30 39 1A 7F 00 00 80 28 20 	0E 00 99 40 1F 62 90 01 07 00 00 00 55 88	0F 00 26 40 80 30 B0 30 F7 15 80 00 00 00 00 28
Current Connection Output: 3 Baud: 115200 Parity: None Miscellaneous Cycle HPD Power Management Video Blanked Outputs 0 - 3: Set HDBaseT Mode 1 2 3 Auto 0 0 0	00 01 02 03 04 05 06 07 08 09 0A 08 00 00 0E	00 00 0F 83 35 48 2D 62 02 07 02 00 00 00 00 00 55	01 FF 16 50 00 80 40 1A 03 50 3A 1E 00 00 40	02 FF 01 54 D1 00 36 70 27 20 3E 80 02 00 00 00 00	03 FF 03 3F C0 00 00 A8 40 F2 06 18 3A 1E 00 00 00	04 (FF 6 (CF (00 (00 (35 (68 E 46 4 71 (35 (0 1 71 (35 (0 1 71 (35 (0 1 71 (36 (71 (71 (71 (71 (71 (71 (71 (71	D D C 05 0	DIDI D6 07 FF 00 00 8C 31 C0 00 1E 00 00 00 00 36 00 32 04 1F 00 22 40 72 38 00 72 72 78 00 72 78 00 78 000	Cable 08 22 EA 81 00 B8 00 00 05 00 05 00 05 00 05 00 05 00 05 00 05 00 05 00 00 00 00	2 09 49 99 99 80 20 1A 00 00 10 66 66 20 20 00 80 80 00 80 80 90 90 90 90 90 90 90 90 90 90 90 90 90	0A 00 91 90 51 00 07 00 00 1F 03 45 10 1E 52 00	0B 02 A3 40 D0 90 3F 1A 00 29 0C 00 2C 20 D0 00 00	0C 00 54 95 1C 51 40 2B 00 00 00 45 6E 1E 00	0D 00 4C 20 20 30 39 1A 7F 00 00 80 28 20 00	0E 00 99 40 1F 62 90 01 07 00 00 00 55 88 00	0F 00 26 40 80 30 80 30 F77 15 80 00 00 00 28 80 00

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2.3. Controls

The UHBX-3S Manager provides you more control and flexibility of the device than the front panel.

<u>Video EDID</u>

The UHBX-3S creates an EDID table that the source connected to the input can read. EDID mode can be set to either emulate or pass-thru.

 Emulate - The internally stored EDID is passed to the source. This EDID can be a factory default or a learned EDID from one of the sink LCD monitors or other device connected to an output.



 Pass-thru - The EDID passed to the source comes from a sink LCD monitor connected to an output.





<u>Learn EDID</u>

An EDID can be learned from a sink LCD monitor connected to any outputs. Once, an output is selected, just click the **Learn** button to learn the EDID from the connected monitor or device.

Set RS232 Start Channel

The UHBX-3S's output can be referenced by a number from 1 to 99, which makes communicating to a desired remote serial receiver easier when there are more than one UHBX-3S devices connected in daisy chain.



Set RS232 Start	Channel
Output 1	1
Output 2	2
Output 3	3
Baud: 19200 Parity: None	

By default, **Output 1** of each device starts with number 1, and this number will be incremented by one for the next output. If **Output 1** is changed to 12, the **Output 2** and **Output 3** will be 13 and 14 respectively.

This output channel numbering is used to transmit/receive data to or from the specified serial receiver.

Current Connection – Allow you to view you to view the current output connection that the controller is connected to in addition to the baud rate, and the parity that the controller is communicating at with the remote serial receiver.

Out	tput 1	1
~		nactio
U	uneni Cor	mecuo
Output:	1	mecuo
Output: Baud:	1 19200	mecuc

Miscellaneous

 Cycle HPD - This button is used to send 500ms Hot Plug Detect pulse signal to the video source. It has the same effect of unplugging the HDMI input cable and plugging it back in. This forces the source



to re-initialize its HDMI video output connection (read EDID, and implement HDCP if required).

 Power Management – When it is selected, the UHBX-3S device will check for the presence of source +5V and sink HPD. If neither +5V nor HPD is detected, the HDBaseT extender module at the output will be in low power mode. When it is not selected, the HDBaseT extender module at the output will always be either in Auto or Long Reach mode.

Video Blanked

The output video can be blanked or un-blanked by selecting the corresponding check box.

video Blanked		
Outputs 0 - 3:		

<u>Set HDBaseT Mode</u>

The HDBaseT output can be individually set to either Auto or Long Reach mode.

 Auto - When set to Auto, the HDBaseT output will follow the current mode on the

Set HDBaseT Mode	1	2	3
Auto	۲	۲	0
Long Reach	0	0	0

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receiver. By default, it is the HDBaseT mode.

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

2.4. Status

The UHBX-3S Manager provides you an instant status update on input video, the HDBaseT connection, and the current EDID passed to the video source.

<u>Input Video</u>

The input video status is indicated by an LED on/off. When the LED is on, it means the indicated video type is detected. If the LED is off, no video input is received.

The HDCP LED is on/off when input video has HDCP Encryption enabled/disabled.



HDBaseT

The HDBaseT status is also indicated by an LED on/off. When the LED is on, it means the indicated HDBaseT connection is detected; otherwise, its LED is off.

The cable length is measured in meters, and it is not applicable when the connection is in Long Reach mode. The calculation may vary according to cable quality.

HDBaseT	1	2	3
Link			
Video	۲	۲	
Long Reach	\bigcirc	۲	0
PoH			
Approx Length (m)	108	n/a	80

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

EDID Table

The data shown in the EDID table is periodically scanned to ensure the checksums for each block is valid. When an invalid checksum is detected, the last byte (location 256) will be highlighted. This invalid checksum can cause connectivity problems.

7

UHBX-3S

							EDI	DΤ	able	9						
	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	OF
00	00	FF	FF	FF	FF	FF	FF	00	22	49	00	02	00	00	00	00
01	0B	16	01	03	80	00	00	8C	EA	EE	91	A3	54	4C	99	26
02	0F	50	54	3F	CF	00	81	C0	81	99	90	40	95	00	A9	40
03	B3	00	D1	C0	D1	00	2E	1D	00	80	51	D0	1C	20	40	80
04	35	00	00	00	00	00	00	1E	B8	20	00	90	51	20	1F	30
05	48	80	36	00	00	00	00	00	00	1A	07	3F	40	30	62	BO
06	2D	40	70	A8	35	00	00	00	00	00	00	1A	2B	39	90	30
07	62	1A	27	40	68	B0	36	00	00	00	00	00	00	1A	01	F7
08	02	03	20	F2	46	86	82	04	05	10	1F	29	09	7F	07	15
09	07	50	3E	06	C0	83	1F	00	00	66	03	0C	00	00	00	80
0A	02	3A	80	18	71	38	2D	40	08	2C	45	00	00	00	00	00
OB	00	1E	02	3A	80	D0	72	38	2D	40	10	2C	45	80	00	00
OC	00	00	00	1E	01	1D	00	72	51	D0	1E	20	6E	28	55	00
0D	00	00	00	00	00	1E	01	1D	00	BC	52	D0	1E	20	B8	28
0E	55	40	00	00	00	00	00	1E	00	00	00	00	00	00	00	00
OF	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	90

2.5. Device Name

Assigns a descriptive name to the UHBX-3S device that is a maximum 8 characters long. This information is stored in the device. Assigning unique Device Names to each device can be useful to positively identify each device. This can prove handy if you are going to

upload different configurations for each device, or if you intend to connect multiple devices simultaneously to a PC and use the software to control several at once.

The FACTORY DEFAULT name is USBDEVHR.

2.6. Status Bar

The bottom bar of the screen shows the USB connection status as follows:

This indicates the software has not detected any UHBX-3S devices and is searching the USB ports for devices.

All controls and status are disabled until a valid UHBX-3S device is attached and properly identified by the software.

The number of UHBX-3S devices will be shown; once, they are connected to the PC.

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Scanning for Hardware ...

Connected - 1 💲

2.7. Tool Bar Menu

The UHBX-3S Manager consists of three main menus, which allow you to easily perform more specific desired tasks.

<u>File</u>

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

• Exit – Exit the UHBX-3S Manager.

	3X-3S Ma	nager	
File	Tools	Help	
	Exit		

<u>Tools</u>

The **Tools** menu consists of the following menu items as shown.

- Factory Defaults Restore the device to factory default settings.
- Import EDID Import an EDID (256-byte binary into the unit).
- Export EDID Save the current EDID as a 256-byte binary file. This file can be edited as reloaded using Import EDID tool selection.



- HDBaseT Programmer Can be used to update any HDBaseT extender module.
- Firmware Update Allow you to update any future device firmware.

<u>Help</u>

The Help menu has the About selection as shown.

 About... - Display the current version of UHBX-3S Manager, device firmware, and USB serial number.

	3X-3S Ma	nager	
File	Tools	Help	
1		About	

2.8. HDBaseT Programmer

The HDBaseT Programmer is only supported by the UHBX-3S firmware version 1.2 or later. This HDBaseT programmer can be used to program the local HDBaseT extender modules inside the UHBX-3S device. There are a total of 3 modules, and one module is used at each HDBaseT ouput.

The HDBaseT Programmer can be found under the **Tools** menu. When the **HDBaseT Programmer** is selected, the UHBX-3S Manager will open an HDBaseT Programmer window as shown below.

	rammer		HI)Ba	se l'	Pro	grami	ner
get Device		Та	rget Device					
Local	🗇 Remote		Local					C Remote
cal Device Info		Lo	cal Device Info	,				
Device Type FW Revision			Device Type	FWI	Revisio	m		
		1	VS100TX	1.3	10.36.2	£		
		2	VS100TX	1.3	0.36.2			
		3	VS100TX	1.3	10.36.2			
Revision: vice Image:		Fi Di	V Revision: wice Image:	1.30.3	16.2			
	Browse_	Y	Firmware/Firm	ware	UHBX	S-PD(P	SE)(SX'	Browse.
1 2 2				1	2	3		
Outputa			Outputs	1	19	1		
Completed			Completed					
					Elaps	ed Time	(s): 29	
	Program	Pr	ogramming					Program

Next, select a firmware to program it into a desired HDBaseT output module. A desired output module is selected by having its box checked. If all three modules are needed to be programmed, all three boxes next to Outputs 1-3 must be checked.

Once, it is ready for program, just click the **Program** button.

NOTE: A remote programming will be in the future firmware update.

The HDBaseT Programmer will verify the firmware in the module after it has been programmed. A completed or failed status will be shown.

	HI	Ba	seT	Pre	ogi	an	mer
Targe	t Device						
Local							 Remote
Local	Device Info						
(Device Type	FWF	W Revision				
1	-	-					
2		-					
3	100						
FWF	ile Info						
FW H	evision;	1,30,3	16.2				
Devic	evision: :e Image: mware/Firm	1.30.3 ware	UHBX	S-PD	(PSI	Ejvisok -	Browse
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UHBX-3S Software Guide

2.9. Firmware Update

The firmware update can be found under the **Tools** menu. When the **Firmware Update** is selected, the UHBX-3S Manager will open a Firmware Update window as shown.

After the firmware update is completed successfully, the UHBX-3S will be running as normal.

	Firmware Update	•
Device Info		
Firmware:	1.1	
FW File Info		
Firmware:	1.1	
Device Image	¢.	
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