

# Extron® Electronics

INTERFACING, SWITCHING AND CONTROL

**Current Firmware Revision: 1.01**

The following notes provide a list of compatible USB and RS-232 human interface devices for the Extron Annotator. For more information please call your Extron Application Engineer.

**Updated:** 3/18/2010  
**Extron Products Affected:** Annotator (all models)

**Current Engineering Revision: INITIAL RELEASE**

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## TECH NOTES

**USB Device Drivers** – All USB drivers are embedded within the firmware of the Annotator and no external configuration or selection is necessary. Calibration of the touch display is necessary in order to align the Annotator cursor and the point of touch.

**RS-232 Device Drivers** – RS-232 drivers require use of the Windows Control Program to load and configure which driver is to be implemented. In both cases, calibration of the touch display is necessary in order to align the Annotator cursor and the point of touch.

**RS-232 Touch Panel Connection** – A NULL cable or adapter is required for any RS-232 touch device connection. Cable adapters can be tailored to specific lengths via the Extron Custom Cables service.

**USB Mice and Keyboards** – The Annotator supports use of a standard keyboard and a standard mouse. It does **not** support non-standard keyboards or mice, such as devices that require additional drivers when connected to a PC.

**Unsupported Devices** – Connecting an unsupported device to the Annotator's USB or RS-232 port may cause adverse reactions. If the device you wish to use is not listed as a supported model, please contact your Extron representative.

These lists are expected to grow as we confirm compatibility of additional devices. Please contact your Extron Application Engineer with questions regarding compatibility with specific device models.



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## Supported Touch Displays and Controllers

### KNOWN ISSUES

There are currently no known issues with currently supported USB and RS-232 human interface devices found in Firmware Version **1.01**.

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<b>Driver Description:</b>	<b>3M EXII</b>
<b>Device Manufacturer:</b>	3M
<b>Part Description:</b>	LCD touch display Controller
<b>Supported Model Numbers:</b>	M1500SS M1502SS C1500SS M1700SS ChassisTouch 17" EXII-7760UC (USB Touch Controller) EXII-7720UC (RS-232 Touch Controller)
<b>Tested Model Numbers:</b>	M1500SS (USB) M1500SS (RS-232)
<b>Communication Technology:</b>	USB, RS-232
<b>Annotator Minimum Firmware:</b>	1.01

<b>Driver Description:</b>	<b>Elo</b>
<b>Device Manufacturer:</b>	Tyco Electronics
<b>Part Description:</b>	LCD touch display (Dual Serial/USB)
<b>Supported Model Numbers:</b>	IntelliTouch models AccuTouch models
<b>Tested Model Numbers:</b>	1928L(E686772); 2200L(E432721); 2420L(E355118)
<b>Communication Technology:</b>	USB, RS-232
<b>Annotator Minimum Firmware:</b>	1.01

**NOTE: Displays with Acoustic Pulse Recognition technology are NOT supported**  
**NOTE: VGA input on Elo model 2420L requires H+V- sync polarity for 1920x1200 output from the Annotator.**



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## Supported Touch Displays and Controllers (continued)

<b>Driver Description:</b>	<b>Elo Legacy</b>
Device Manufacturer:	Tyco Electronics
Part Description:	LCD touch display (legacy models)
Supported Model Numbers:	IntelliTouch models AccuTouch models
Tested Model Numbers:	1525L (721654); 1525L(E75784) ;
Communication Technology:	USB, RS-232
Annotator Minimum Firmware:	1.01

<b>Driver Description:</b>	<b>Wacom</b>
Device Manufacturer:	Wacom Technology Corporation
Part Description:	Wacom LCD pen displays
Supported Model Numbers:	DTF-521 DTF-720 DTU-1931 DTZ-2100 (Cintiq 21UX)
Tested Model Numbers:	DTF-521 DTF-720 DTU-1931 DTZ-2100 (Cintiq 21UX)
Communication Technology:	USB
Annotator Minimum Firmware:	1.01

<b>Driver Description:</b>	<b>Cybertouch</b>
Device Manufacturer:	Cybertouch AV
Part Description:	LCD touch displays
Supported Model Numbers:	Orion AV models EclipseAV models SolaAV models
Tested Model Numbers:	O1501U (USB) O1501S (RS-232) O1900U (USB)
Communication Technology:	USB, RS-232
Annotator Minimum Firmware:	1.01



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## Supported Touch Displays and Controllers (continued)

<b>Driver Description:</b>	<b>NEC LCD</b>
<b>Device Manufacturer:</b>	NEC
<b>Part Description:</b>	LCD touch display
<b>Supported Model Numbers:</b>	ASLCD52V-BK-TC1
<b>Tested Model Numbers:</b>	ASLCD52V-BK-TC1
<b>Communication Technology:</b>	USB
<b>Annotator Minimum Firmware:</b>	1.01



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## Supported USB Extenders

### KNOWN ISSUES

The following is a list of known issues with USB and RS-232 human interface devices found in Firmware Version **1.01**.

**Unsupported USB Extenders** – Specific USB extenders that have integrated hubs are not yet supported. These devices require unique communication that is not yet supported.

- Gefen USB 200

**Note:** Many USB extenders have a USB hub within the product but only have a single port on them. These extenders may also not be supported.

**Icron USB Extenders** – Icron USB extenders require power not available on all USB hubs. Only one extender can be used in a system and it should be connected directly to one of the Annotator USB ports.

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## Supported USB Extenders

Device Manufacturer:	Extron Electronics
Part Description:	USB Extender
Supported Model Numbers:	USB Extender TX USB Extender RX
Tested Model Numbers:	USB Extender TX USB Extender RX
USB Extender Technology:	Twisted Pair
Annotator Minimum Firmware:	1.01
Remarks:	TX units must be powered externally if two are connected to the Annotator.

Device Manufacturer:	Icron
Part Description:	USB 2.0 Extender
Supported Model Numbers:	USB Ranger 2101 USB Ranger 2104
Tested Model Numbers:	USB Ranger 2101 USB Ranger 2104
USB Extender Technology:	Twisted Pair
Annotator Minimum Firmware:	1.01
Remarks:	Icron Firmware version U08 required for compatibility.



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Device Manufacturer:	IOGEAR
Part Description:	USB 1.1 Extender
Supported Model Numbers:	GUCE51
Tested Model Numbers:	GUCE51
USB Extender Technology:	Twisted Pair
Annotator Minimum Firmware:	1.01
Remarks:	

Device Manufacturer:	Aten
Part Description:	USB 1.1 Extender
Supported Model Numbers:	UCE60
Tested Model Numbers:	UCE60
USB Extender Technology:	Twisted Pair
Annotator Minimum Firmware:	1.01
Remarks:	

Device Manufacturer:	NTI
Part Description:	USB 1.1 Extender
Supported Model Numbers:	USB-C5-LC
Tested Model Numbers:	USB-C5-LC
USB Extender Technology:	Twisted Pair
Annotator Minimum Firmware:	1.01
Remarks:	



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## Supported USB Extenders (continued)

Device Manufacturer:	Smart-AVI
Part Description:	USB 1.1 Extender
Supported Model Numbers:	USB-100
Tested Model Numbers:	USB-100
USB Extender Technology:	Twisted Pair
Annotator Minimum Firmware:	1.01
Remarks:	

Device Manufacturer:	Opticis
Part Description:	Optical USB Extender
Supported Model Numbers:	M2-1xx; M2-2xx
Tested Model Numbers:	M2-200-40
USB Extender Technology:	Fiber Optics
Annotator Minimum Firmware:	1.01
Remarks:	



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