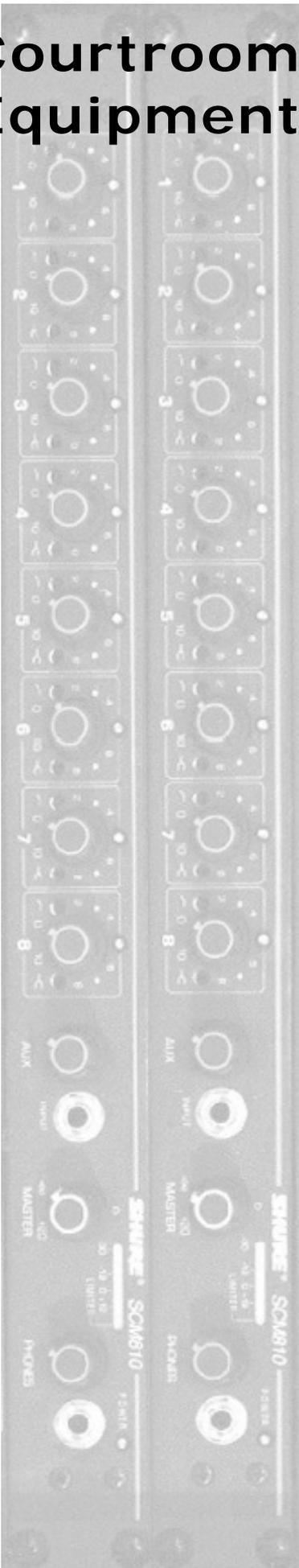


Courtroom Equipment



MICROPHONES

Judge, CRD, and Attorney Table Microphones

On the base of these desk microphones there is a **privacy mute button**. Press and hold this mute button with your finger to mute this microphone in all speakers and all recording devices.



Shure MX418D/C

Witness and Lectern Microphones



Shure MX418C

Sidebar Microphone

This microphone is located on the corner of the Judge's bench and is used for recording sidebar conversations.



Shure MX393

WIRELESS MICROPHONE SYSTEM

Your wireless microphone system contains one hand-held wireless and one Lavalier microphone. A very important part of the wireless system are the wireless receivers located in your system equipment rack. The wireless hand held microphone and belt pack have power switches that should be turned off when the microphones are not in use. The transmitters uses a single 9V battery. On occasion, the microphone receiver may generate noise or pick up unwanted signals from equipment on the same frequency. If this occurs, turn off the receiver with the power switch located on the front of the receiver and contact QTI technical support. In most cases, changing the frequency on the transmitter and receiver or adjusting the squelch settings will eliminate any unwanted noise problems.



Sennheiser EW100 System

Turn off the microphone transmitter when not in use, or the battery will drain!

MIXERS

Your equipment rack contains two programmable audio matrix mixer. The chart below indicates the audio channel assignments for each mixer.

Audio Mixer #1 Channel Assignments

1	2	3	4	5
SIDEBAR	JUDGE	CRD	WITNESS	LECTERN
6	7	8	A	B
DEFENCE	PLAINTIFF	INTERPRETER	FTR PLAYBACK	CODEC

Audio Mixer #2 Channel Assignments

1	2	3	4	5	6	A
HANDHELD WIRELESS	LAVALIERE WIRELESS	ALTERNATE WITNESS	GALLERY OVERHEAD #1	GALLERY OVERHEAD #2	CRD AUXILIARY AUDIO	EVIDENCE AUDIO

FOUR CHANNEL RECORDING

A special cable and connector are provided for analog/digital audio recording. This cable connects from a plate located at the court reporter location shown above right to the computer's special four channel soundcard or analog tape recorder inputs. The end of the cable that connects to a computer or tape recorder has eight audio connectors. Use the even numbered lines for connection to a 4-channel computer sound card and the odd numbered lines to connect to an analog tape recorder.

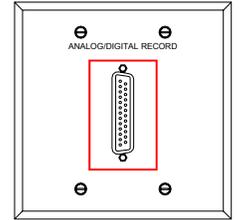


Chart of Inputs for 4-Channel Recording

For easy memorization, the recording channel assignments are usually set based on the **National Transcriber's Standard:**

Channel 1: Administration

This channel records all court personnel as well as the sidebar microphone.

Channel 2: Evidence

This channel records the witness, witness interpreter, and interpreter.

Channel 3: Defense

This channel records the defense attorneys and the lectern.

Channel 4: Prosecution

This channel records the prosecuting attorneys, the jury, the gallery, and any outside parties (teleconferencing and video conferencing.)

Chart of Inputs	CHANNEL 1	CHANNEL 2	CHANNEL 3	CHANNEL 4
SIDEBAR	<input checked="" type="checkbox"/>			
JUDGE	<input checked="" type="checkbox"/>			
CRD	<input checked="" type="checkbox"/>			
WITNESS		<input checked="" type="checkbox"/>		
LECTERN			<input checked="" type="checkbox"/>	
DEFENCE			<input checked="" type="checkbox"/>	
PLAINTIFF				<input checked="" type="checkbox"/>
INTERPRETER		<input checked="" type="checkbox"/>		
FTR PLAYBACK				<input checked="" type="checkbox"/>
CODEC				<input checked="" type="checkbox"/>

Chart of Inputs	CHANNEL 1	CHANNEL 2	CHANNEL 3	CHANNEL 4
WIRELESS #1 & #2				<input checked="" type="checkbox"/>
ALT WITNESS		<input checked="" type="checkbox"/>		
GALLERY #1 & #2				<input checked="" type="checkbox"/>
CRD AUX AUDIO				<input checked="" type="checkbox"/>
EVIDENCE AUDIO				<input checked="" type="checkbox"/>

Courtroom Equipment

LAPTOP INTERFACES

Laptop interfaces have been installed at the Judge and Courtroom Deputy benches, Attorney tables, Paralegal tables, and Lectern. All of these interfaces have standard laptop audio and video connectors. The interfaces at the Judge and Courtroom Deputy benches are built into surface mounted plates and are located under the benches. The interfaces at the attorney and paralegal tables are built into surface mounted plates located in recessed enclosures in the tables.

Connect a laptop to the interface by plugging the provided cable from this interface into the laptop's monitor output connector.

If your presentation has audio, plug the provided audio cable from the interface into the headphone connector of your laptop. You may have to adjust the internal volume of the laptop and make sure you do not have the laptop audio in the mute mode. (Consult the manufacturer's documentation regarding operation of your laptop.)

To display your computer on the courtroom display devices, select the appropriate computer on the **VIDEO SELECTIONS PAGE** of the Judge, Courtroom Deputy or Lectern touch panel.

If the image appears shifted, use the H-SHIFT control on the front of the computer interface (Judge, Courtroom Deputy and Lectern interfaces only) to adjust the image. To ensure all devices display the laptop video properly, all laptops should be set to a resolution of 1024x768 at 60 Hz.

Note: Some laptops may require you to press a function key (usually labeled CRT/LCD) to activate the laptop's rear video output connection. Please consult your laptop manufacturer's documentation regarding the operation of your laptop computer.



Laptop Interface Cable



Attorney and Paralegal
FSR CI-5BWPA INTERFACE



Judge and CRD Bench
Extron RGB 460 Interface



Lectern
Extron RGB168 Interface

INFRARED EQUIPMENT



Sennheiser 1015 Infrared Transmitter

Your infrared system is a two-channel system. Channel I broadcasts audio from the language interpreter microphone. Channel II broadcasts all courtroom audio to those requiring hearing assistance. For special applications, the headsets can be set to stereo mode (channel I & II) by setting the channel selector switch to the O position.

In brief, this is how it works: transmitters are mounted on the wall opposite the jury box. The transmitter sends audio signals to the HDI-302 headsets using infrared waves.

HEADSET



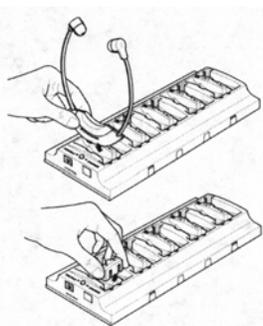
Sennheiser HDI-302 Channel Headset Receiver

HDI-302 infrared headsets are provided in your courtroom for those requiring hearing assistance or language interpretation. Instruct the user to wear the headset under the chin, with the Sennheiser logo facing out. It is important that the user does not cover the black infrared area, because this is the part of the headset that receives the signals from the transmitter. It is also important for the user to face the transmitter for clearest reception.

The HDI-302 headset has two selection knobs: a volume control dial on the bottom that works like a radio dial (“off/on/volume”), and a channel selector switch on the front. Set the channel selector switch to I if the user requires language interpretation; choose channel II if the user requires hearing assistance.

The ear cushion on the HDI-302 headset can be removed from the headset and washed in warm, soapy water. Use a damp cloth to wipe off the headset if necessary.

BATTERY CHARGER



Sennheiser L151-10 Battery Charger

Each HDI-302 headset contains a rechargeable battery. Use the battery charger pictured here to recharge the batteries. Five extra batteries are provided.

To charge your batteries, use the provided power supply to plug the unit into an electrical socket. As the picture to the right shows, you can charge your batteries either by sliding the entire headset into the charger, or by removing the battery and sliding the battery into the side of the charger compartment.

Note: You must turn the headsets off before putting them into the charger!

When you are ready to charge, press the button next to the word “CHARGE.” When a battery is present, a red light will come on next to that battery on the charger. This light will become dim and the green “TRICKLE” light will come on when the battery is fully charged.

Full charging takes 10 hours – be sure to place batteries in the charger when the headsets are not in use!

The batteries cannot be ‘overcharged’ so keep them plugged in when not in use!

INTERPRETER



Sennheiser HMD-25 Headset

An interpreter headset and controller is provided for anyone requiring language interpretation. Individuals who want to hear the interpreter should wear an HDI-302 headset and set it to Channel I.

The **Interpreter Headset** has a cable that connects to the side of the controller described below. The Interpreter should place the headset over his/her head and pull the headband arms down until the speakers rest comfortably over the ears. Position the microphone at the **corner of the mouth**. For the clearest transmission of the Interpreter's voice, make sure that the microphone is at the corner and not the center of the mouth.

CONTROLLER



Quantum Interpreter Controller

The **Interpreter Controller** has two buttons and one knob:

The **top button** is the "MIC ON/OFF" button. Depress this button to activate the Interpreter's headset microphone. When this microphone is "on," people wearing the HDI-302 headsets will be able to hear the Interpreter on Channel I. No one but the people wearing the HDI-302 headsets set to Channel I will hear the Interpreter.

The **second button** is the "BROADCAST" button. The Interpreter must press and hold this button to address the court. He or she should release this button when finished addressing the court.

The **knob** on the top of the controller is a personal volume control for the Interpreter Headphones.

The **Interpreter Controller** has a long cable that can be connected at the defense table.

LCD DISPLAY DEVICES

NEC 1570 LCD type monitors have been provided to display video evidence and are located at the Judge, Courtroom Deputy, Jury Booth and Attorney Tables. Controls on the touch panel *Monitor Controls* allows the Judge & Courtroom Deputy to switch between displaying video from a local computer and evidence video. To prolong the life of the LCD monitors, make sure to turn off the power when not in use. The power switch is located on the right front corner of these devices. If the power switch is green, this is an indication the LCD monitor is on and receiving a video signal. If the power switch is orange, the LCD monitor is powered on but *not* receiving a video signal.

The Witness and Presentation Lectern have ELO 1527L annotation type LCD touch-monitors. Annotation is accomplished by simply drawing directly on the screen with your finger. Here are detailed instructions on changing the *annotation* settings from the touch monitor:

SET COLOR- Touch the top left corner once with your finger. A square box of color will appear in the lower right corner. Touch again to see a new color. To select the color, leave the screen alone after the color you want is shown.

UNDO LAST- Touch the upper right corner one time. You may repeat this action until all annotations are gone.

CLEAR ALL- Touch the lower left corner one time to clear all annotations.

MENU- Touch the top center corner one time to display the annotation menu. Menu items are displayed in rectangular boxes. Select any menu item by touching directly on the desired menu item box. Selection of some menu items causes additional sub menu boxes to be displayed. Touch the EXIT box when you are done with the menu. Please contact QTI technical support if you have any questions regarding annotation menu settings.

DROP POINTER- Touch the monitor with your fingertip where you would like to leave a pointer.



NEC 1570 LCD Monitor



ELO 1527L
LCD Touch Monitor

VIDEO CAPTURE DEVICE

A video capture device has been installed at the Courtroom Deputy bench. This device has a VGA type input that is connected to a video evidence plate and receives the same video signals as all of the courtroom display devices. A USB cable connects from the capture device to the Courtroom Deputy's desktop computer. Special software on the desktop computer allows the Courtroom Deputy to view and save video evidence images. These images can then be printed on any printer that can be accessed from the Courtroom Deputy's computer.



Epiphan VGA2USB Interface

The picture to the right is the VGA capture application icon that has been placed on the desktop. Double left clicking on this icon will launch the application.



If the computer can not locate the VGA capture device, the screen shown to the right will appear on your computer desktop. Make sure the USB cable is connected to the computer and to the VGA capture device.



Some older computers use a USB protocol that is not compatible with the VGA capture device. The screen shown to the right indicates that the computer found the VGA capture device but no video is displayed. The most likely problem is the computer's USB ports do not support the newer USB protocol. The computer's USB ports must support the USB 2.0 protocol.



The screen shown at right indicates everything is working properly. The VGA capture application window should contain the same video that you see on any of the courtroom display devices. At this point, you can select print from the file menu in the same manner that you print any Windows application. Choose any network or local printer setup on the Courtroom Deputy computer. The best type of printer to use is a dye sublimation printer that is designed to print pictures on special photo paper. You can also choose to save the displayed image as a graphic file such as BMP or JPG formats. The VGA capture software lets you set the computer to automatically save images at regular intervals but this is not recommend because over a long period of time, these image can take up a considerable amount of disk space.

