

NOTES

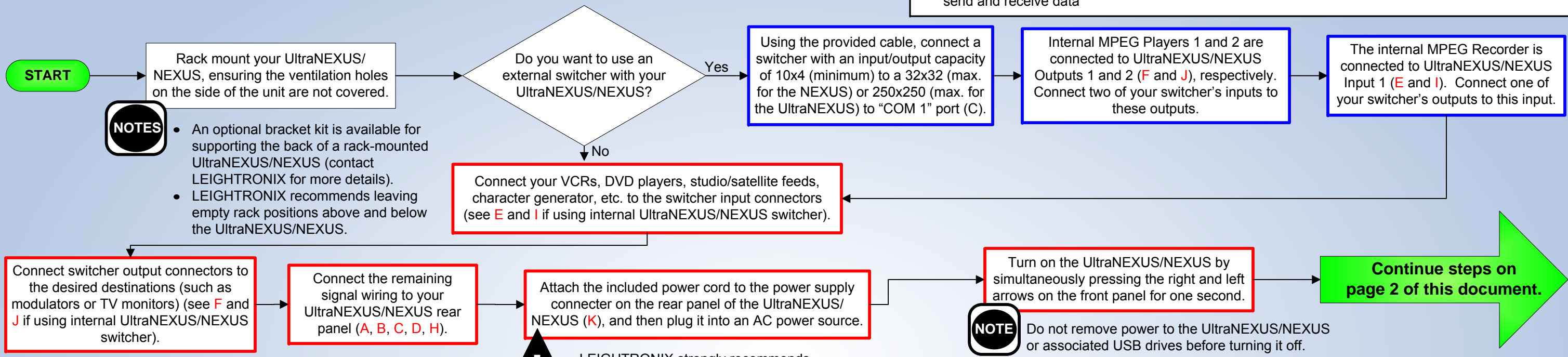
- Refer to the *NEXUS Series Manual* for more detailed instructions.
- Refer to the labeled "UltraNEXUS/NEXUS Rear Panel" illustration below while installing your server/controller.
- For additional information on LEIGHTRONIX-approved USB hard drives and VCRs/DVD players compatible with the IR ports, contact LEIGHTRONIX.

NOTES

- An optional bracket kit is available for supporting the back of a rack-mounted UltraNEXUS/NEXUS (contact LEIGHTRONIX for more details).
- LEIGHTRONIX recommends leaving empty rack positions above and below the UltraNEXUS/NEXUS.

DEFINITIONS

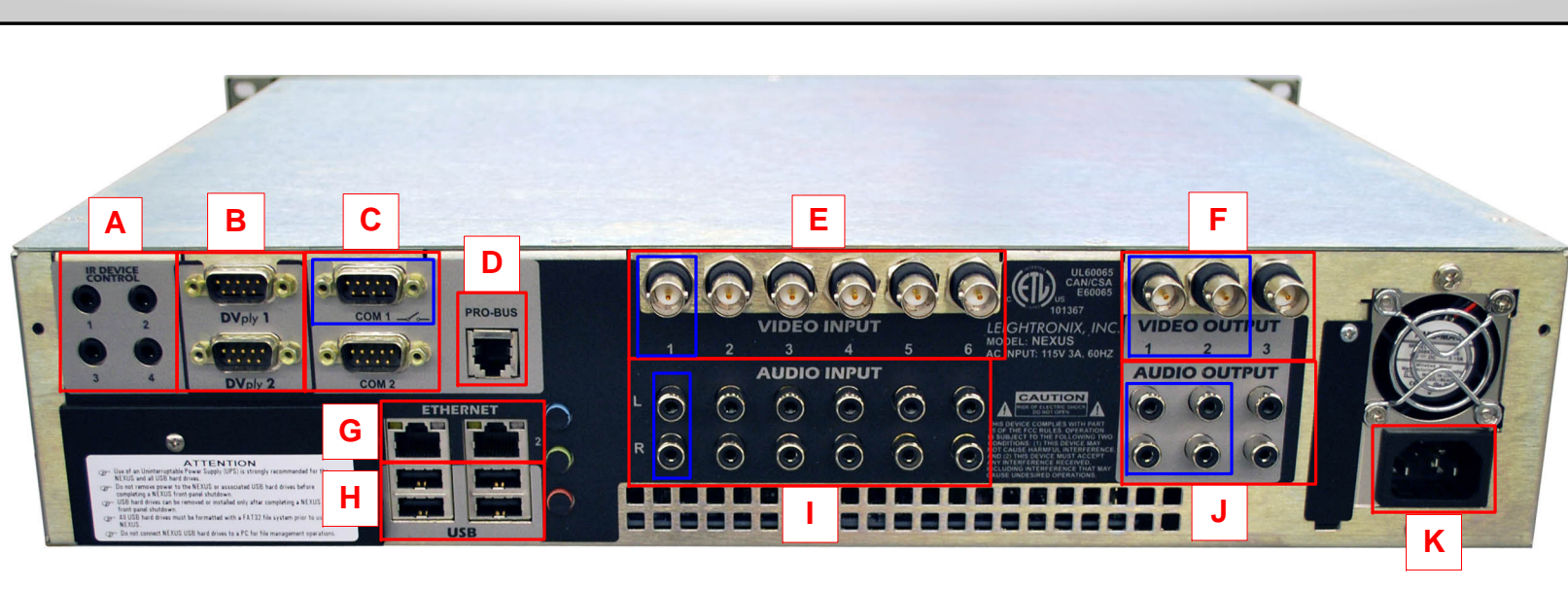
- **DEVICE:** any resource controlled by PRO-BUS, IR, or DVply
- **IR PORT:** infrared ports built into the UltraNEXUS/NEXUS for control of up to four VCRs/DVD players
- **LED:** Light Emitting Diode
- **MPEG:** Moving Pictures Experts Group; standards for compressing digital video and audio data
- **USB DRIVE:** Universal Serial Bus; an external storage device that uses bi-serial transmission to send and receive data



CAUTION LEIGHTRONIX strongly recommends the use of an Uninterruptable Power Supply (UPS) with the UltraNEXUS/NEXUS and all associated USB drives. Damage from power loss or spikes is not covered under warranty.

NOTE Do not remove power to the UltraNEXUS/NEXUS or associated USB drives before turning it off.

ULTRANEXUS/NEXUS REAR PANEL



DESCRIPTIONS OF ULTRANEXUS/NEXUS REAR PANEL COMPONENTS

- A IR Ports:** using the supplied IR transmitter cables, connect up to four, LEIGHTRONIX-approved VCRs and/or DVD players
- B DVply Ports:** connect up to two, supported devices with title:chapter access
- C**
 - "COM 1": if using, connect a switcher with inputs/outputs of up to 32x32 (NEXUS) or 250x250 (UltraNEXUS)
 - "COM 2": if using, connect a LEITCH CSD-5300 or ESE Master Clock time source
- D "PRO-BUS" Port:** attach up to 16 PRO-BUS device interfaces in a daisy chain to the PRO-BUS jack and connect each interface to the corresponding VCRs and/or DVD players. Perform the following steps (see PRO-BUS Manuals for more information):

1. Set each PRO-BUS interface's dip switches to assign each interface an address #. Number the interfaces consecutively, starting with "01" at the interface connected to the UltraNEXUS/NEXUS.
2. Set control mode dip switches on each interface.
3. If possible, ensure each device's switcher input numbers correspond to its PRO-BUS address #.
4. Document your PRO-BUS/device setup.

- E Video Inputs**
- F Video Outputs**
- G Ethernet Port 1:** connect a straight-through or cross-over cable (see page 2 of this document)
- Ethernet Port 2:** reserved for the LEIGHTRONIX TOTAL SHARE™ network option
- H USB Drive Ports:** connect up to four, LEIGHTRONIX-approved USB drives

NOTES

- LEIGHTRONIX requires the use of 2 USB drives with an UltraNEXUS combined with PEG Central or other LEIGHTRONIX streaming service
- USB drives can be removed or installed **only** after the UltraNEXUS/NEXUS is shut down from its front panel. **Do not connect the drives to a PC for file management operations.**

- I Audio Inputs**
- J Audio Outputs**
- K Power Cord Connector**



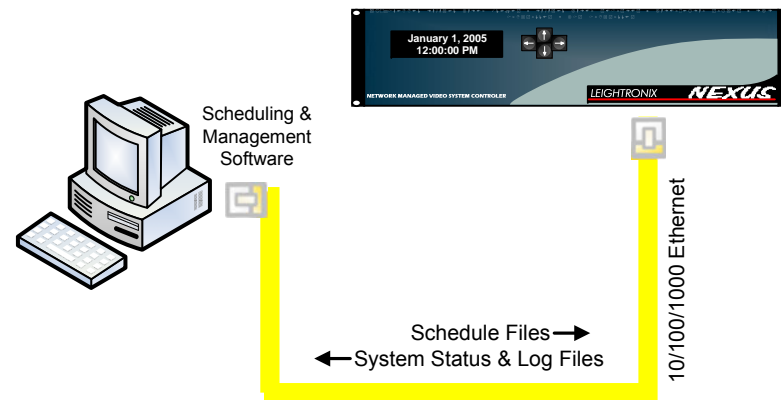
To access a remote UltraNEXUS/NEXUS through the Internet, contact your ISP service provider and network administrator for more information.

CONTINUE

Configure UltraNEXUS/NEXUS for Ethernet network access. Two of the most common Ethernet connection scenarios are described on this page.

END

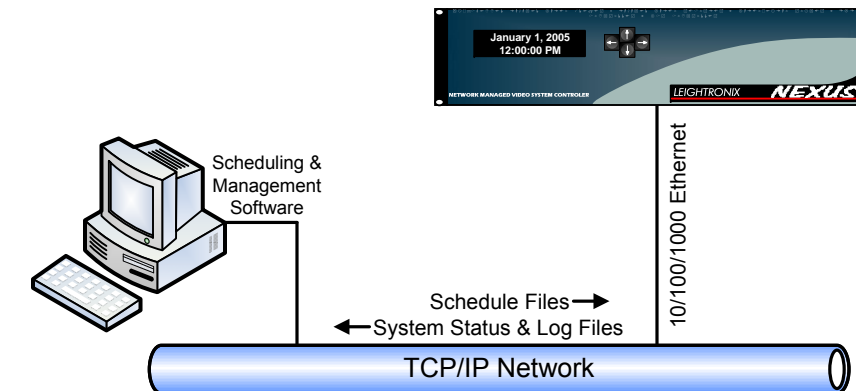
DIRECT ETHERNET CONNECTION



Connect UltraNEXUS/NEXUS directly to a PC per the following steps:

1. If necessary, install and configure a 10/100/1000 BASE-T Ethernet Network Interface Card (NIC) on the PC. Refer to the NIC documentation and technical support for further instructions.
2. **PC NETWORKING ADDRESSES:** obtain your PC's TCP/IP networking IP address and subnet mask from Windows (see the *UltraNEXUS/NEXUS Manual* or your computer manual for more detailed instructions).
3. **UltraNEXUS/NEXUS NETWORKING ADDRESSES:** Enter the following IP and subnet mask addresses into the front panel of your UltraNEXUS/NEXUS (refer to "Entering TCP/IP Addresses into UltraNEXUS/NEXUS Front Panel" at right):
 - IP address: one number above your PC's IP address (for ex., if your PC's IP address is 10.255.9.15, set your Controller to 10.255.9.16)
 - Subnet mask: your PC's subnet mask address
4. Using a cross-over RJ-45 Ethernet cable, connect the UltraNEXUS/NEXUS Ethernet Port 1 (G) to the PC's NIC.
5. Ensure the UltraNEXUS/NEXUS and PC have been properly configured for Ethernet network access by checking to see that the yellow LED above the Ethernet port is on. If the yellow LED does not turn on, check the following:
 - Proper addresses have been entered into the UltraNEXUS/NEXUS front panel
 - Crossover cable was used to attach UltraNEXUS/NEXUS to PC

NETWORK ETHERNET CONNECTION



Connect UltraNEXUS/NEXUS to an existing Ethernet TCP/IP Network per the following steps:

1. Obtain the following from your technical support personnel or network administrator and enter into the front panel of your UltraNEXUS/NEXUS (refer to "Entering TCP/IP Addresses into UltraNEXUS/NEXUS Front Panel" below):
 - IP address
 - Subnet mask
 - Gateway address
2. Using a straight-through RJ-45 Ethernet cable, connect the UltraNEXUS/NEXUS's Ethernet Port 1 (G) to a 10/100/1000 BASE-T hub or switch on the TCP/IP network.
3. Ensure the UltraNEXUS/NEXUS and PC have been properly configured for Ethernet network access by checking to see that the yellow LED above the Ethernet port is on. If the yellow LED does not turn on, check the following:
 - Proper addresses have been entered into the UltraNEXUS/NEXUS front panel
 - Straight-through cable was used to attach UltraNEXUS/NEXUS to the network

ENTERING TCP/IP ADDRESSES INTO ULTRANEXUS/NEXUS FRONT PANEL

1. Enter front panel password according to the following steps:
 - a. Press the key to display the password entry screen.
 - b. Press the key 5 times to enter the factory-default password and display the "CONFIG MENU" screen.
2. Enter each address into its corresponding entry screen:
 - IP address: "Edit unit IP Address" screen
 - Subnet mask address: "Edit unit Subnet Mask" screen
 - Gateway address: "Edit unit Gateway Addr" screen
3. The UltraNEXUS/NEXUS must be powered down and then powered back up to apply any address changes (simultaneously press and for one second to turn off and repeat to turn back on).