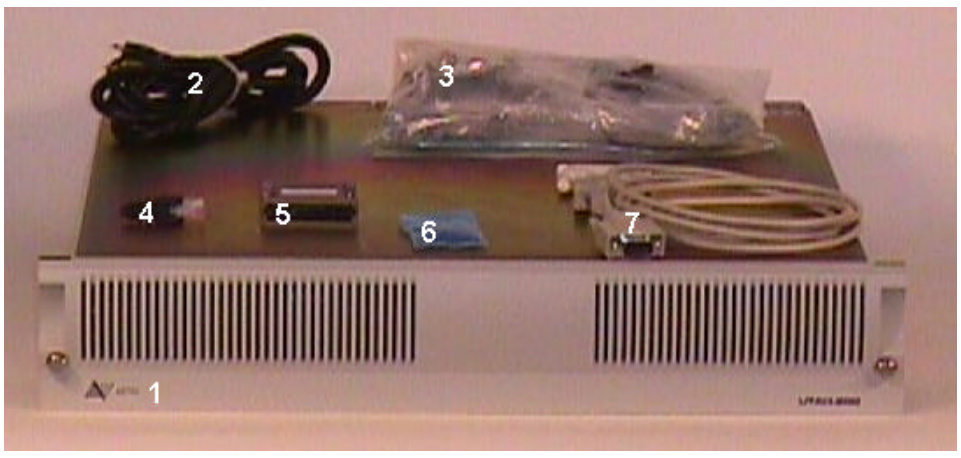
IRIS TECHNOLOGIES, INC.

Quickstart for installing an IRIS/Artel Utah-200 Router

1

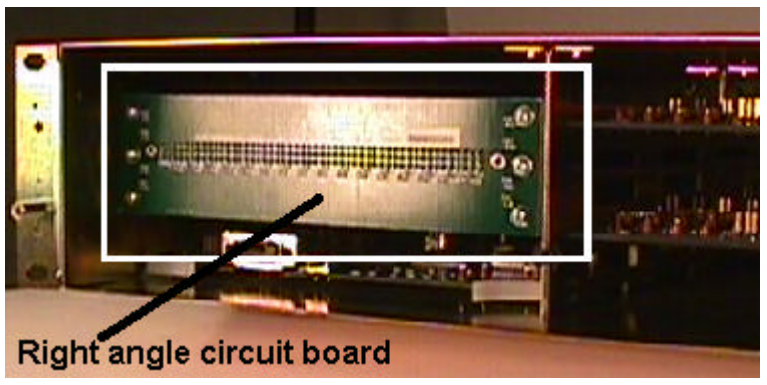
Begin. Please check the contents:
1. Utah-200 router
2. Power cable
3. Audio connectors: *one* connector for each *eight* audio inputs or outputs
4. Small terminator plug
5. Large terminator plug
6. Bag of shunts
7. 6' serial cable and adapter (RS-232 installations only)

Caution: *The router has been packaged in anti-static material for protection. Care should be taken to avoid static discharge!*



2

Preparing the router. Remove the front cover of the router by unscrewing the large screw at either side of the cover. Verify that all circuit boards and power supplies are pushed a s far back into the case as they will go, and that the right-angle circuit board (video routers only) is firmly in place (see right). If a board has been unseated during shipping, simply re-seat by pushing firmly on the front edge of the board. Note that none of the boards require heavy pressure to seat.

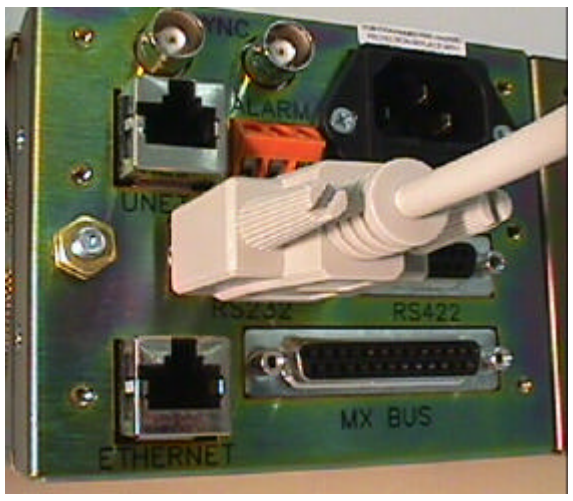


3

Rack mount. Securely install the router into your equipment rack. Please do *not* adjust the "DIP" switches on the back panels of the router.

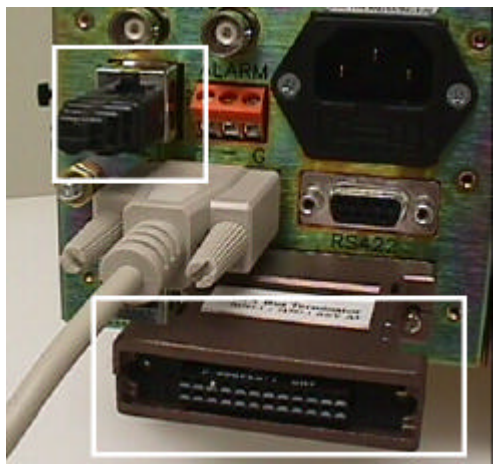
4

Connecting to the Data Port. If you will be using RS-232 communications, connect the male end of the cable to the "RS232" connector on the back of the router (see right). (Otherwise, you will need to construct an appropriate cable for the "RS422" connector; if so, refer to the "Utah-200 Wiring" sheet for details.)



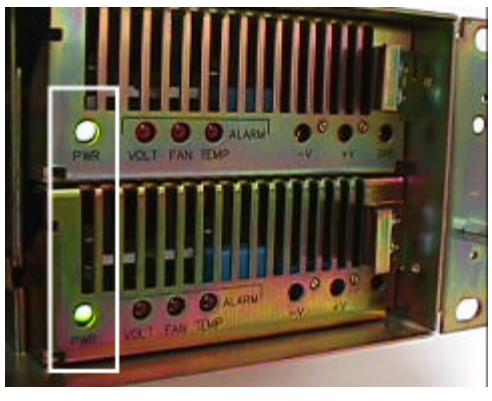
5

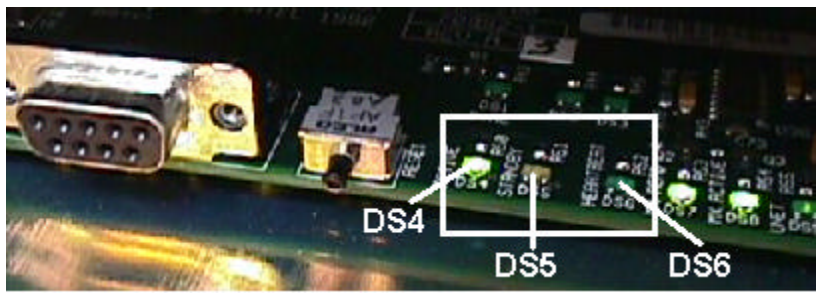
Other connectors. Install the small terminator plug in the socket labeled "UNET." Install the large terminator plug in the socket labeled "MX BUS." (see right)



6

Connecting the power.
1. Connect the 120-volt AC power cord to its socket, and to a wall outlet. There is no power switch on this router, so it will power up immediately.
2. Inside the front of the router chassis, verify that the leftmost LED on each power supply (you may have one or two) is lit, (below left) and that none of the alarm LEDs are lit.
3. On the CPU cards inside the router (you may have one or two), verify that either LED DS4 *or* DS5 is lit, and that LED DS6 is blinking at a steady rate (below right).
4. Once the router appears to be working properly, replace and tighten the front cover.





7

Connecting audio and video. Video is connected using standard BNC connectors. For audio connections, you will need to make connectors; refer to the "Utah-200 Wiring" document.

Over

IRIS TECHNOLOGIES, INC.

Quickstart for installing an IRIS/Artel Utah-200 Router

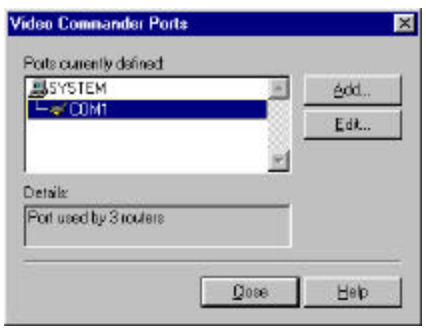
The Utah-200 requires a somewhat different setup procedure from an ordinary IRIS router. This page describes the process.

*Note: you **cannot** do a normal IRIS router installation and use the Utah-200 as that router. If you have done this, you will need to delete those routers (and any device inputs or outputs using them) before installing Utah-200 routers.*

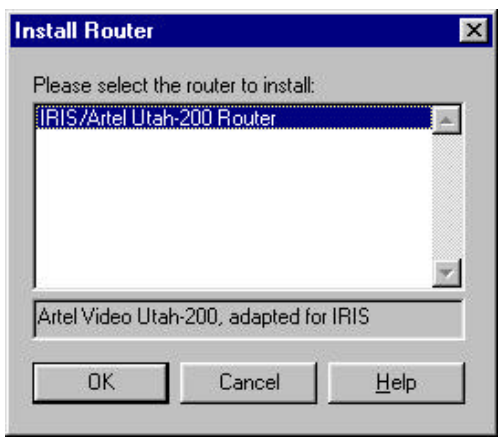
Enter Device Setup. If you are doing a first-time installation, you will already be running this program. Otherwise, start the "Device Setup" icon from your Start Menu; when the program begins, select "Modify Settings" and enter your name and password.

Add a new Port. *Instead of* clicking "+Routr" as you would for a normal IRIS router, you should instead click "Ports."

When the ports window appears, click the "Add…" button (below left). When asked what kind of equipment you wish to add, select "Another type of routing equipment" and click "OK" (below right)

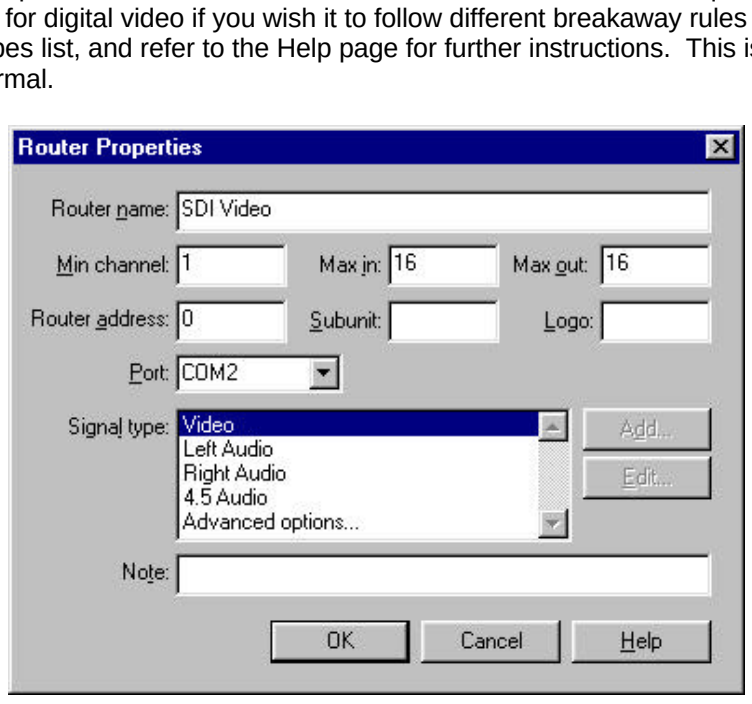


You will be prompted for the drivers disk; insert your "VCWIN-Utah200 Extension Disk" in drive A: (or some other drive; type the correct path or use the "Browse" button) and click "OK" (below left). In the next window, choose the "IRIS/Artel Utah-200 Router" option, and click "OK" (below right)



Configure a router matrix. The configuration screen for the Utah-200 is a little different than the screen for a standard IRIS router:
1. You need to enter "1" for "Min channel," and enter the matrix size (16 or 32) for both the "Max in" and "Max out" fields.
2. Your Utah-200 has already been set up for one or more addresses, starting with 0 for the first matrix (you may have up to three matrix levels in the router; they are ordered for video, then left audio, then right audio, in that order). The subunit field may be left blank or "0." (If you are adding additional "slave" Utah-200 frames, contact IRIS technical support for assistance.)
3. The Utah-200 cannot "unroute" an output; it is always connected to *some* input. You may choose to dedicate one of the inputs on the matrix for use as a "logo channel;" this is used to represent a disconnect. Leave the field blank if you do not intend to use a logo channel.
4. The Utah-200 cannot share a serial port with other, standard IRIS routers. Please select a unique port for use only by the Utah-200 router.
5. You may wish to add a signal type for digital video if you wish it to follow different breakaway rules than standard video. If so, choose "advanced options" on the Signal Types list, and refer to the Help page for further instructions. This is *not* required.

Otherwise configure the router as normal.



Add remaining matrices. If your Utah-200 contains more than one matrix ("level" or "signal plane"), you will need to repeat the preceding steps, starting with "Add a new Port," for each matrix. For example, if your Utah-200 is a 16x16 video/left/right unit, you will install three times: once for video (address 0), once for left audio (address 1), and once for right audio (address 2). For each add, choose *the same communications port* so Video Commander will know that these are all attached to the same serial cable.

Finish. Once you've finished with all levels, select "Apply."