

AV-732 / 734

Bi-Directional 2/4-Port CAT5 VGA Extender for Computer Classroom

The AV-732/734 is a simple, easy to install, easy operation, pure-hardware bi-directional VGA Extender designed for Computer Classroom application.



Utilizing the latest Cat5e UTP

differential technology, it achieves crisp, razor sharp, real time video image interactive between Instructor and Students.

The system offers hardware Control Panel or Control Software to provide teacher powerful classroom management with Broadcast, Observe, Blank Screen, Student-Demo functions. These features allow teacher to focus on teaching and help students learn more and faster.

With the optional DigiStudio software, you may upgrade the classroom to Digital Language Lab System.

Features

- ◆ Bi-Directional VGA video transfer between Teacher and Students.
- ◆ 2-User box (732), 4-User box (734).
- ◆ Provide Multimedia HUB for Star Topology of easy connection.
- ◆ Using standard Ethernet UTP cable, each connection up to 100 meters.
- ◆ Support Gain and EQ for optimum image quality.
- ◆ Provide both hardware and software for teacher management control.
- ◆ Resolution up to 1600x1200@60Hz.
- ◆ Support multiple selectable VGA sources.
- ◆ Pure hardware, Plug n Play.



Components

AV-735T

Bi-Directional CAT5 VGA Control box for teacher.

front

back

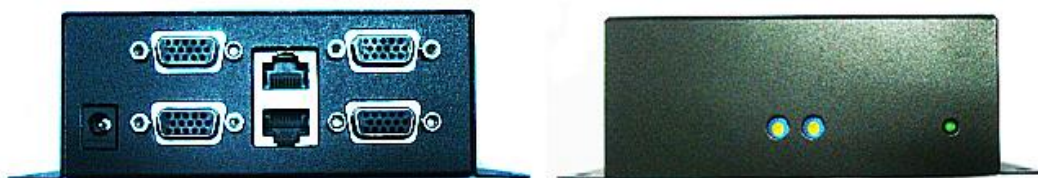


AV-732

Bi-Directional CAT5 VGA Control box for 2 students.

Front

Back



AV-734

Bi-Directional CAT5 VGA Control box for 4 students.

Side

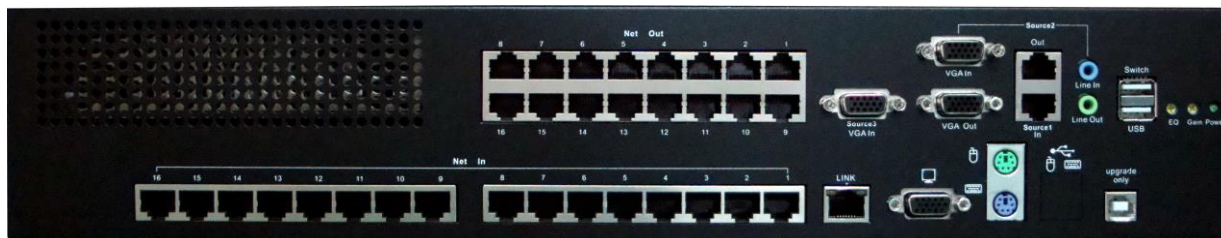
Front

Back



AV-726

Bi-Directional 16-port 3-source Multimedia HUB.



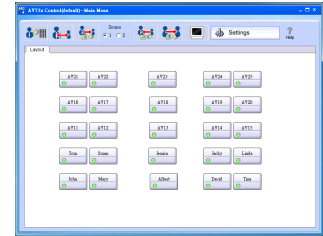
AV-582U

Teacher USB Tap Switch for One-touch broadcast and Control software.



AV-73X Control

Windows based Teacher Control software.

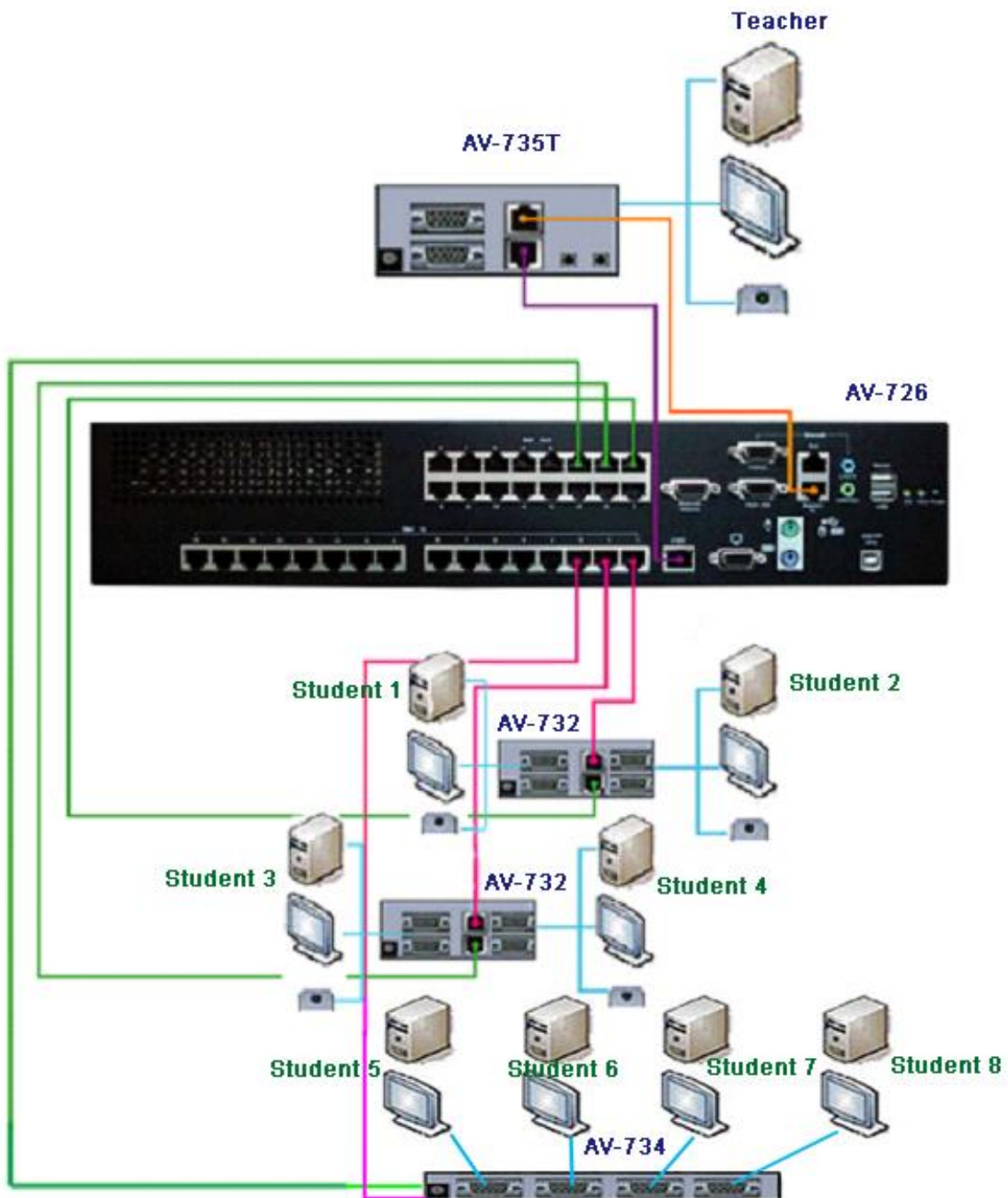


AV-583

Teacher Control panel.

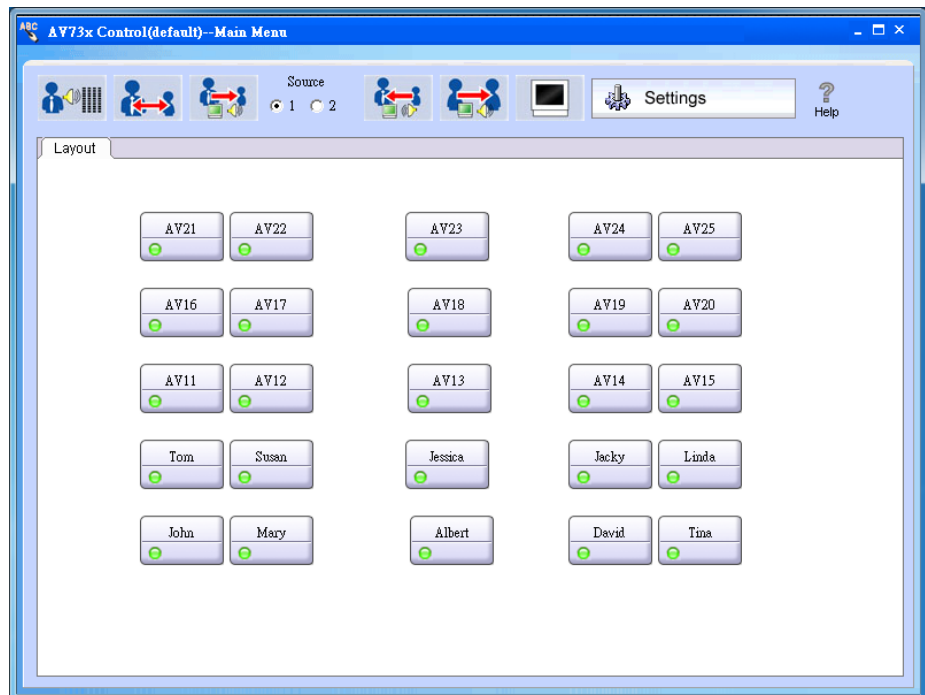
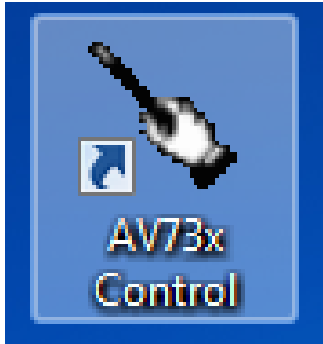


Diagram



AV-73X Control Software

The AV-73x Control is a Windows based Object-oriented Teacher Control Software provides Teacher-to-Students Broadcast, Student-to-Teacher Observe, Students Blank Screen, Student-to-Students Demo functions.



Functions

- Teacher-to-Students Broadcast**
The teacher screen can be sent to all, selected, or a single student.
- Student-to-Teacher Observe**
Observe enables the teacher manually or auto-scan student screen.
- Student-to-Students Broadcast**
The teacher can observe one student, and broadcast that student's screen to another student, or selected students, or all students.
- Blank Screen**
Lecture mode. Teacher can blank out student screens for times when students need to concentrate on lectures, drills, or presentations.
- One Touch Tap Switch**
Pure hardware Broadcast and Blank Screen controller enables the teacher to Broadcast the teacher screen to all students, or Blank screen for all students at the touch of a button.

Specifications

Model no.	AV-735T	AV-732	AV-734	AV-7042
VGA/Audio	VGA and Audio Bi-Direction	VGA Bi-Direction	VGA Bi-Direction	VGA and Audio One-Direction
VGA Input	1	2	4	2
VGA Output	1	2	4	2
Audio In	1 (Stereo)	N/A	N/A	2 (Stereo)
Audio Out	1 (Stereo)	N/A	N/A	2 (Stereo)
Mic. In	1	N/A	N/A	2
Line Out	1 (Stereo)	N/A	N/A	2 (Stereo)
RJ45 In	1	1	1	1
RJ45 Out	1	1	1	N/A
PS2 port	Yes (for TAP switch)	N/A		
VGA EQ/Gain	Yes			
Max VGA resolution	1080p or 1600x1200 max.			
Connection	Cat5e 4-pair, EIA568B			
HUB	AV-726 16-port Bi-Directional			AV-717 16-port One-Direction
Distance	100 meters max. from node to HUB			
Teacher Control	AV-583 Control Panel, AV-73x Control Software, AV-582U Tap switch, DigiStudio Software			
Broadcast	Yes, VGA and Audio	Yes, VGA only		Yes, VGA and Audio
Observe	Yes, VGA and Audio	Yes, VGA only		N/A
Student Broadcast	Yes, VGA and Audio	Yes, VGA only		N/A
Blank Screen	Yes			
Keyboard, Mouse Control	Yes, optional function			N/A
Power Supply	+5V DC @ 2.0A (4 W max.)			
Operating Temp.	0 ~ 40 °C			
Storage Temp.	-20 ~ 60 °C			
Humidity	0 ~ 80% Non-condensing			
Material	Metal			