

Audio Visual (A/V) Technology Standards

The University of Tennessee at Chattanooga
Information Technology

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Information Technology

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Purpose

The Information Technology Advisory Committee (ITAC) and the Office of Information Technology (IT) have jointly developed this standard to ensure that all technology used in the various classrooms and other learning spaces across the campus are based on standard configurations approved by University IT (regardless of space). These standards allow IT to provide efficient support to help ensure students are not hindered in their studies while at UTC. The standards are also required to provide a common room-use experience across the University.

This document will address the following items:

- What technology falls within these guidelines?
- What are the benefits to standardizing equipment/technology?
- What are the different types of spaces supported?
- How are exceptions handled with non-standard equipment?

Scope

What technology falls within this policy?

This guideline applies to all A/V technology procured through The University of Tennessee at Chattanooga, regardless of funding source. (The list of technology we support is located below in **Appendix B**)

Practice/Standard

How do we plan to standardize the technology in the classrooms?

This policy governs the procurement of any classroom technology, displays, digital signs, or hardware asset supported by IT. All hardware assets purchased at UTC must align with the standard models identified and supported by UTC IT located in **Appendix B below**. Non-standard equipment, procured by departments without approval of IT, are not eligible to receive support from IT. In addition, UTC has an approved set of network standards that are applicable towards A/V installations. All network drops, switches, etc. must conform to these standards (**Policy to be referenced**)

What are the benefits of standardizing the equipment/technology?

There are several benefits to standardizing the equipment going into our learning spaces:

- Greater technology support (streamlined and consistent models)
- Better pricing of components and supplies
- Reduced administrative overhead
- Procurement process is streamlined and more efficient
- Reduction in maintenance costs

- Ability to train on new equipment

Exceptions

How are exceptions handled with non-standard equipment?

Non-standard equipment will be eligible for support only if they are pre-approved by IT in advance of being procured. Non-standard equipment must meet the same requirements as standard equipment as listed above but may have different specifications from those typically acquired. These non-standard components are required to run specific specialized applications and IT is happy to assist with the selection and deployment.

Approval for any exceptions in the design phase/Wireless networking devices are also included in the approved network standards. All wireless devices must conform to these standards and must be approved during design phase. Any wired or wireless network equipment required for A/V installations must be designed by UTC IT – University Network Services.

Appendix A

(Standard Equipment List by room size)

Small Room Standard <i>E.g. Conference/Meeting rooms/3-20 seats</i>	Medium Room Standard <i>E.g. Typical classroom/20-40 seats</i>	Large Room Standard <i>E.g. Large classroom spaces/40 - 120 seats</i>	Auditorium Room Standard <i>E.g. Auditorium/120+ seats</i>
*Arc Conference Room or 540 McCallie room 102	*Fletcher 200	*Fletcher 113 or Grote 131	*Grote 129, Benwood, Derthick
Dry Erase Board	Dry Erase Board	Dry Erase Board	Large Interactive Monitor at Lectern
Network Infrastructure	Network Infrastructure	Network Infrastructure	Network Infrastructure
LCD Display	Projection Screen (one)	Projection Screen (one)	Projection Screen (one)
Laptop display connection (HDMI)	Laser/LED projector 6k lumens	Laser/LED projector 6k lumens minimum - 2 with capability of showing different inputs	Laser/LED projector 10k lumens minimum - with capability of showing different inputs
Apple TV	Laptop Display Connection	Laptop Display Connection	Laptop Display Connection
Sharelink/AirMedia	Technology Lectern/ Podium	Technology Lectern/ Podium	Technology Lectern/ Podium
	Small Form Factor	Large form Factor	Large form Factor
Basic Control Panel	Dedicated Room Computer	Dedicated Room Computer	Dedicated Room Computer
	AV Control Touch Panel	AV Control Touch Panel	AV Control Touch Panel
	Dedicated room speakers (ceiling tile or wall mount)	Dedicated room speakers (ceiling tile or wall mount)	Dedicated Sound System (Digital with DSP)
	Document Camera	Document Camera	Document Camera
	Apple TV	Apple TV	Apple TV
	Sharelink/AirMedia	Sharelink/AirMedia	Sharelink/AirMedia
			Wireless Lapel Microphone
			Proper room lighting
Options:	Options:	Options:	Options:
Interactive LCD Display	Interactive LCD Display at Podium	Interactive LCD Display at Podium	Video Conferencing Capabilities
USB for interactive connection to laptop	Video Conferencing Capabilities	Video Conferencing Capabilities	Event use equipment (ie multiple microphones, stands) with on-site secure storage
Dedicated computer	Wireless Lapel Microphone	Wireless Lapel Microphone	

Wireless Keyboard	Laser/LED projector 6k lumens minimum - 2 with capability of showing different inputs		
Video Conferencing Capabilities			

Reference: <https://www.sandiego.edu/its/about/policies-and-procedures/#accordion-panel27>

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Appendix B

Small Room Standard	Medium Room Standard	Large Room Standard	Auditorium Room Standard
Dry Erase Board	Dry Erase Board	Dry Erase Board	Large Interactive Monitor at Lectern
4 Network drops	6 Network drops	7 network drops	Determined during planning phase – 6 minimum
Sharp Commercial display (size appropriate for room)	Da-Lite sized to room – powered	Da-Lite Sized to room – powered	Da-lite sized to room Powered or fixed
Extron DTP T HWP 4K 231 D DTP R HWP 4K 231 D	Epson PowerLight Pro L-Series	Epson PowerLight Pro L-Series - 2 with capability of showing different inputs	Epson PowerLight Pro L-Series - with capability of showing different inputs
Apple TV	Extron Cable Cubby 1202	Extron Cable Cubby 1202	Extron Cable Cubby 1202
Sharelink/AirMedia	Extron Sharelink 200N	Extron Sharelink 200N	Extron Sharelink 200N
	Spectrum Media Manager Series Compact w/ shelf	Spectrum Media Manager Series Elite w/ shelf	Spectrum Media Manager Series Elite w/ shelf
Extron TLC 521M	Dell OptiPlex i5/16gigs ram minimum	Dell OptiPlex i5/16gigs ram minimum	Dell OptiPlex i5/16gigs ram minimum
	Extron TP Pro 725T	Extron TP Pro 725T	Extron TP Pro 1022T
	Extron FF 220T – Ceiling Extron SM26 - Wall	Extron FF 220T – Ceiling Extron SM26 - Wall	Designed for space during planning phase
	Epson DC-21	Epson DC-21	Epson DC-21
	Apple TV	Apple TV	Apple TV
	Extron Sharelink 200N	Extron Sharelink 200N	Extron Sharelink 200N
			Microphone dependent on system design during planning
			Proper room lighting
Options:	Options:	Options:	Options:
Interactive LCD Display	Interactive LCD Display at Podium	Interactive LCD Display at Podium	Video Conferencing Capabilities
USB for interactive connection to laptop	Video Conferencing Capabilities	Video Conferencing Capabilities	Event use equipment (ie multiple microphones, stands) with on-site secure storage
Dell OptiPlex i5/16gigs ram minimum	Wireless Lapel Microphone	Wireless Lapel Microphone	

Logitech K400 PLUS	Laser/LED projector 6k lumens minimum - 2 with capability of showing different inputs		
Logitech Meet Up			

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