

16.00 Audio Visual Services

Adequate ventilation must be provided to all equipment racks

All infra-red controlled equipment shall be internally modified for external control via an RCA (phono) socket on the back panel. Vendors shall honour full warranty on items modified in this way.

16.04.02 System Programs

Where possible, AMX system programs will be provided by ITS and will be identical in rooms of like type.

Where AMX programming is undertaken by the Contractor, programs shall be written to conform with any coding standards in place at the time and shall be compiled for each individual room.

Standard user interface files shall be used unchanged. It is expected that the Contractor will reuse code in identical rooms to lower development, debugging and technical training costs.

Upon completion of the installation, the Contractor shall deliver to the ITS both electronic and hard copies of the program source code for each room in a format readily modifiable by any programmer qualified through appropriate AMX technical training.

All intellectual property rights (copyright) shall be transferred to Griffith University at handover.

Unless agreed otherwise 'modular' programming is acceptable only to the extent that source code and intellectual property are transferred to GU.

16.04.03 User Instruction Panel

A clear acrylic panel for equipment user instructions is to be provided and installed at 1600mm above f.f.l. adjacent to the Lectern/Teaching Station (refer GU Standard Detail Drawing No. GSD-502).

16.05 Master Antennae Television (MATV) and Cable Television distribution

16.05.01 General Requirements

An MATV system for VHF, UHF and cable television signal reception shall be provided in all buildings. The system shall comprise all antennae, amplifiers, splitters and other components, necessary to provide noise and interference free reception of all available digital and analog television transmissions at each outlet.

The Contractor may use a specialist Subcontractor other than the specialist AV equipment installer to supply and/or install the MATV system subject to the approval of the Superintendent.

16.06 Audio Visual Cabling

16.06.01 Cabling Locations

Audio, video, remote control and other special cabling (tie lines) are required between the following locations or equipment in accordance with the AV Specification

Video/data projection and equipment rack;

Equipment rack and Bio-Box/equipment room where specified

As required elsewhere for specific situations as noted in SDFs and as determined in consultation with ITS.

16.06.02 Conduits for AV Cabling

All AV cabling shall be run in conduits. Conduits shall be installed as follows in accordance with the requirements of [Section 20.00 Electrical Services](#), Clause 20.10 General Wiring.

Seminar rooms - Three (3) 50mm conduits to be provided for AV cabling only between the equipment rack/lectern position and the ceiling cavity.

Theatres/larger spaces - Four (4) 50mm conduits to be provided for AV cabling only

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Meeting	Data/Telephone	4	Within equipment rack
		2	At meeting table
	Dynalite (where specified)	1	Within equipment rack
	MATV	1	Within equipment rack

Preference is for a single PA system to be specified to handle both vocal and playback audio, with appropriate processing for each to attain the desired performance. Separate systems may be specified where acceptable results cannot be achieved with a combined system.