



CREATIONS

C/SEED
THE UNFOLDING TV

MAUNAKEA: C SEED M1 TV AND ISLAND PRESTIGE

Installation Guidelines - v. 1.0

MAUNAKEA SYSTEM ELEMENTS (SUPPLIED)

C SEED M1 TV



L-ACOUSTICS CREATIONS ISLAND PRESTIGE



ADDITIONAL FRONT-END COMPONENTS (3rd PARTY SUPPLIED)

24 channel immersive AV processor

Audio and video sources: streaming players / BluRay players / Game consoles, etc.

Control system processor and touchscreen interface

Power, signal and data cables

INSTALLATION SERVICES PROVIDED BY C SEED

Standard plan for construction of the TV for local civil engineer

Coordination with local electrician

Coordination with local sat / video / TV professional

Implementation, programming & testing of the C SEED M1 TV – TCP/IP control protocol for home automation

Operation training and handover for technical staff

INSTALLATION SERVICES PROVIDED BY L-ACOUSTICS CREATIONS CERTIFIED INTEGRATORS

Site Survey for mechanical and acoustical considerations

Coordination with local electrician for Island power provision.

Integration support for site AV integrator including interfacing audio / data and control networks for control automation of Island Prestige

Calibration of Island Prestige by L-Acoustics Application Engineer

Client Handover and training for technical staff / crew

SUPPORTING INSTALLER/ USER DOCUMENTATION

Please consult the following documentation to ensure your installation of Maunakea goes as smoothly and safely as possible:

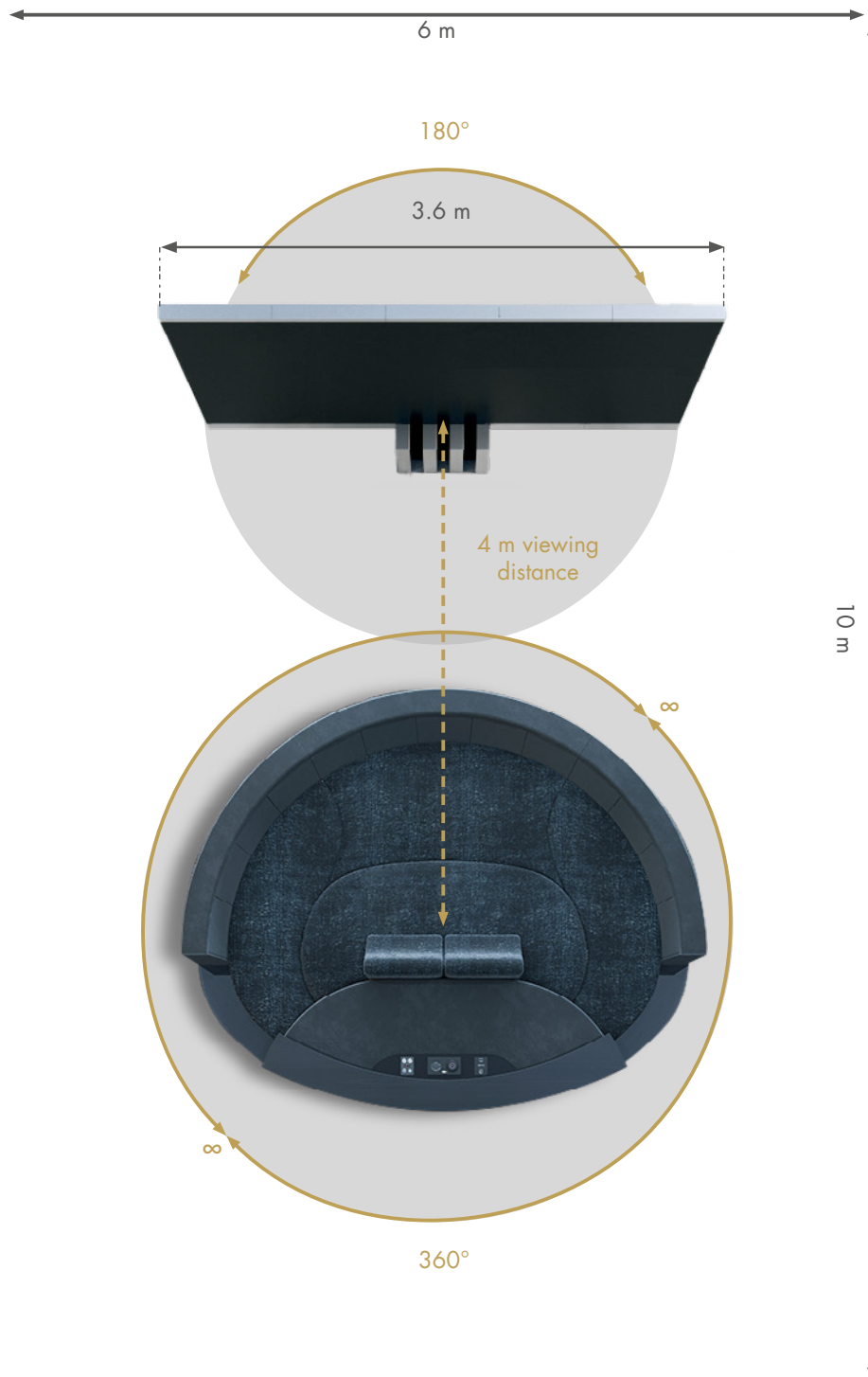
C SEED M1 TV IMPLEMENTATION CONCEPT GUIDE

[M1 TV implementation concept guide](#)

L-ACOUSTICS CREATIONS ISLAND PRESTIGE USER MANUAL

[Island Prestige User Manual](#)

MAUNAKEA INSTALLATION ROOM SIZE RECOMMENDATION



MAUNAKEA FOOTPRINT AND SPACE REQUIREMENTS

Minimum room size: 60 m²

Viewing distance from screen: 4 m

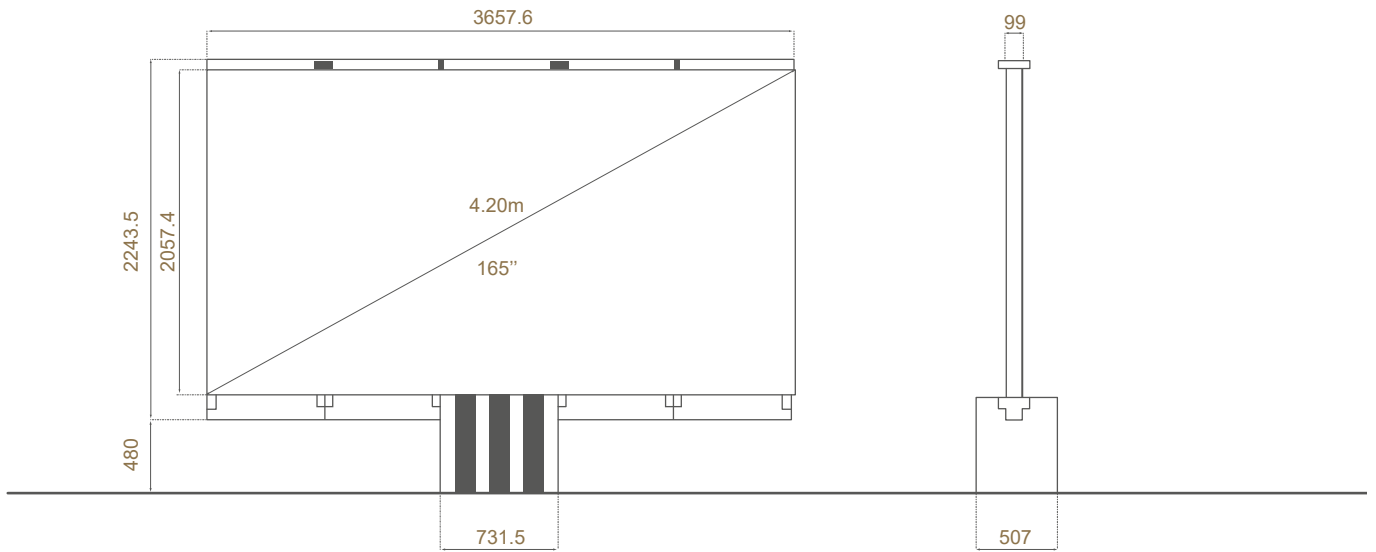
Coordination with local sat / video / TV professional

M1 TV rotation: 180° left or right

Island rotation: 360° perpetually in either direction

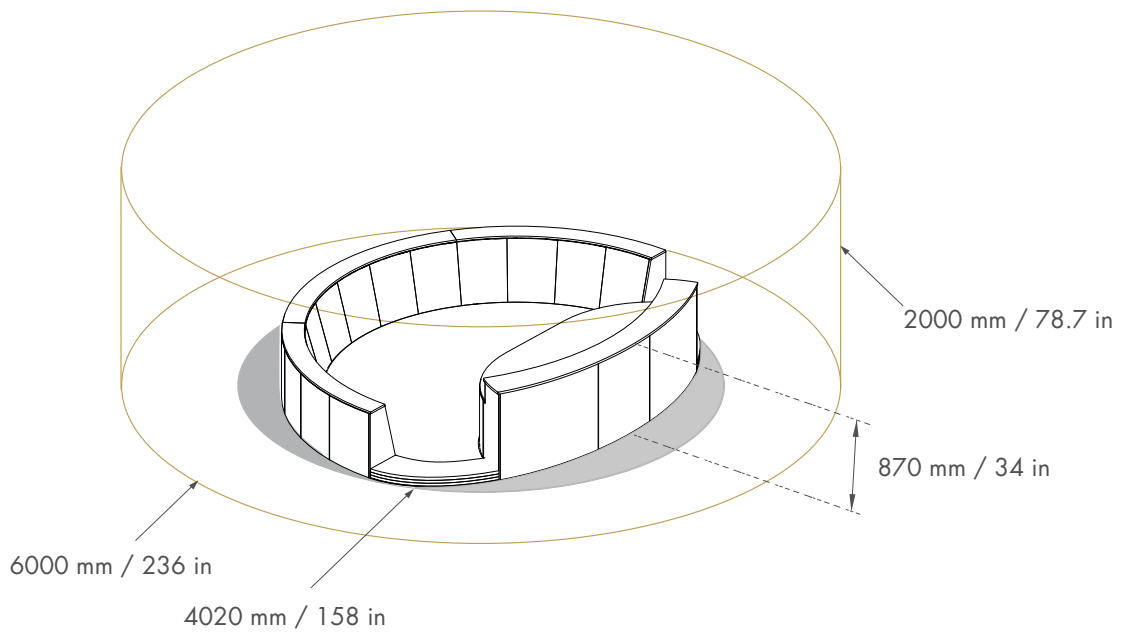
For consideration of other room shapes and sizes (e.g circular or L-shaped rooms) please contact an L-Acoustics Creations Application Engineer

C SEED M1 TV - DIMENSIONS OVERVIEW



ISLAND PRESTIGE - DIMENSIONS OVERVIEW

The golden cylinder below indicates the safe zone to allow for unobstructed rotation of Island taking into consideration the user and their guests and nearby ceilings, furnishings and light fittings etc.



SITE ENGINEERING PREREQUISITES CHECKS

OBSERVE FLOOR SPACE REQUIREMENTS

As per M1 TV / Island User Manuals

Consider turning circle of both elements of Maunakea in the floor layout design.
NOTE: C SEED M1 TV can rotate 180 degrees in either direction. Island Prestige can rotate up to 360 degrees in either direction perpetually

Island Footprint	Plan a 3 m radius around the Island Prestige rotation point to ensure safety of use. During rotation, the system draws a Ø 6 m / 19.6 ft circle
	A 1 m margin all around ensures safety both on and around the system
	Plan a minimum 2.7 m ceiling height above the installation area

OBSERVE FLOOR LOADING REQUIREMENTS

As per M1 TV/Island User Manuals and consult a structural engineer. The combined weight of Maunakea is 3300 kg.

Ensure the floor for Island can safely support its weight of up to 1950 kg / 4299 lb: (Weight (net): 1200 kg / 2646 lb) (Capacity (net): 750 kg / 1653 lb (8-10 adults))

The C SEED M1 TV floor area needs to support 1350 kg / 2976 lb).
NOTE: The M1 TV may require creation of a floor basin of 4248 mm x 1200 mm x 755 mm depth.

LOGISTICAL ACCESS TO THE MAUNAKEA INSTALLATION LOCATION

For load-in access for the largest Maunakea elements (C SEED M1 TV and Island Prestige) check that the site access route is capable of movement of boxes of the size below

C SEED M1 TV Shipment

Box number	Height	Width	Depth	Weight
1	1200 mm	4600 mm	1200 mm	1550 kg
2	1400 mm	1200 mm	1200 mm	200 kg
3	1400 mm	1200 mm	800 mm	200 kg

L-Acoustics Creations Island Prestige Shipment

Box number	Height	Width	Depth	Weight
1	630 mm	1670 mm	790 mm	249 kg
2	2120 mm	2120 mm	1120 mm	674 kg
3	1190 mm	1090 mm	610 mm	113 kg
4	1190 mm	1090 mm	610 mm	113 kg
5	540 mm	2840 mm	1040 mm	236 kg
6	600 mm	1470 mm	500 mm	90 kg
7	600 mm	1470 mm	500 mm	90 kg
8	600 mm	1470 mm	500 mm	90 kg
9	600 mm	1000 mm	430 mm	63 kg
10	600 mm	1000 mm	430 mm	63 kg
11	890 mm	1120 mm	790 mm	156 kg
12	680 mm	940 mm	670 mm	62 kg
13	330 mm	1670 mm	800 mm	89 kg

OBSERVE ELECTRICAL POWER REQUIREMENTS

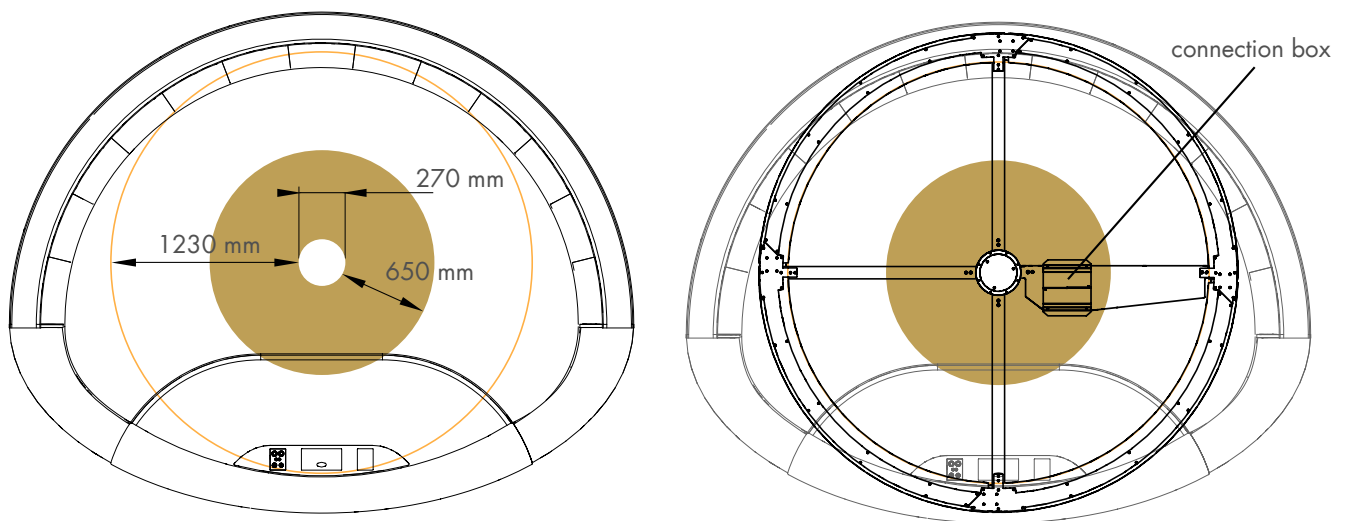
As per M1 TV / Island User Manuals: Pre-installation of power provision to Maunakea location as per electrical specification

Island Prestige must be connected to a dedicated circuit breaker for installation safety and an earth-leakage circuit breaker for user safety

Cable length: Island Prestige comes with a flat 6 mm² 4 wire cable pre-assembled with the connection box. Measure the distance between the connection box and the electrical panel or junction box and communicate this information to L-Acoustics

Cables can be run through the floor as long as they exit in a 1230 mm radius around the axle

Cables should exit in a 650 mm (26 in) radius, as close to the connection box as possible as shown below



OBSERVE DATA CONNECTION REQUIREMENTS

As per M1 TV / Island User Manuals: Pre-installation of data and signal cabling to Maunakea location as per Data / AV specification

Island Prestige requires a Gigabit Ethernet connection via a CAT6 shielded cable equipped with a male RJ45 connector

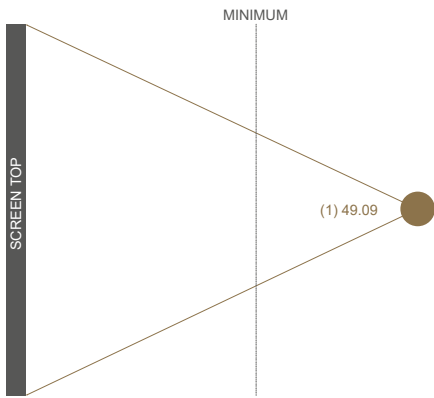
The cable should be run through the floor to the Island connection box to be presented alongside the power provision. Ensure the data and power cables are not in close proximity throughout their lengths to prevent interference / crosstalk

Existing Local Area Network infrastructure with preconfigured subnet with sufficient range of IP Addresses for all devices within the Maunakea system (Ideally 12 to 20 IP addresses)

Ensure provision of a fast internet connection to the site

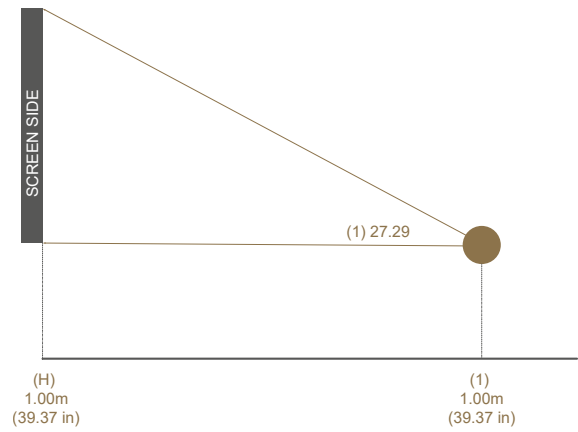
VIEWING ANGLE CALCULATIONS

Horizontal viewing angle



(1) 4.00 m / (157.48 in)

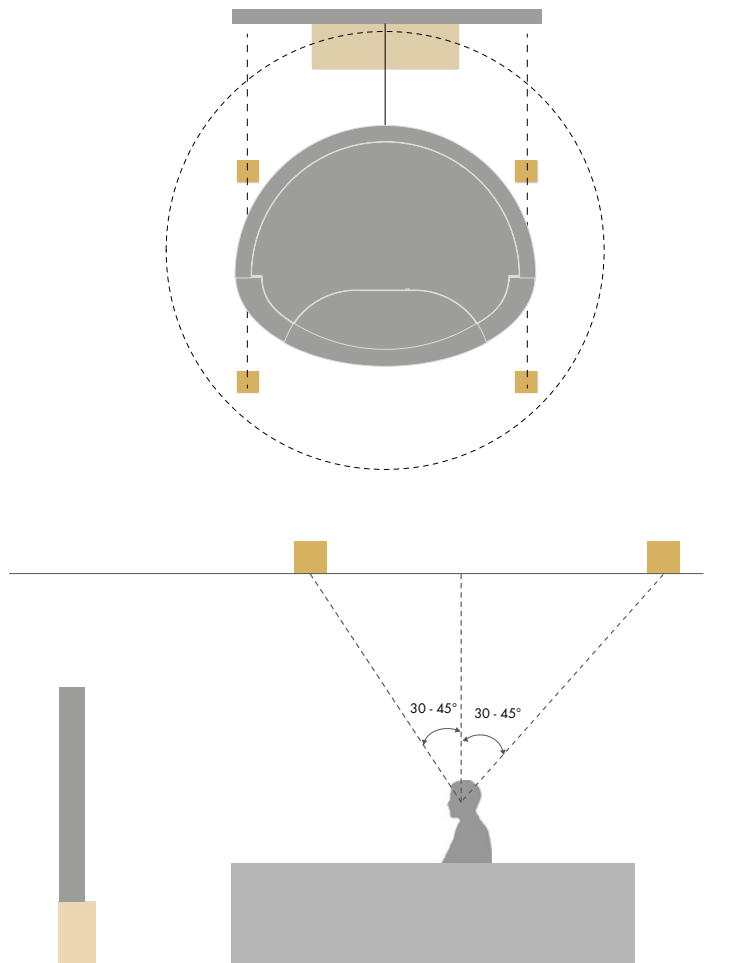
Vertical viewing angle



(1) 4.00 m / (157.48 in)

CONSIDERATIONS FOR OPTIONAL OVERHEAD SPEAKERS FOR DOLBY ATMOS AND OTHER IMMERSIVE FORMATS

Place 4 overhead speakers in alignment with the Dolby Atmos recommendations:

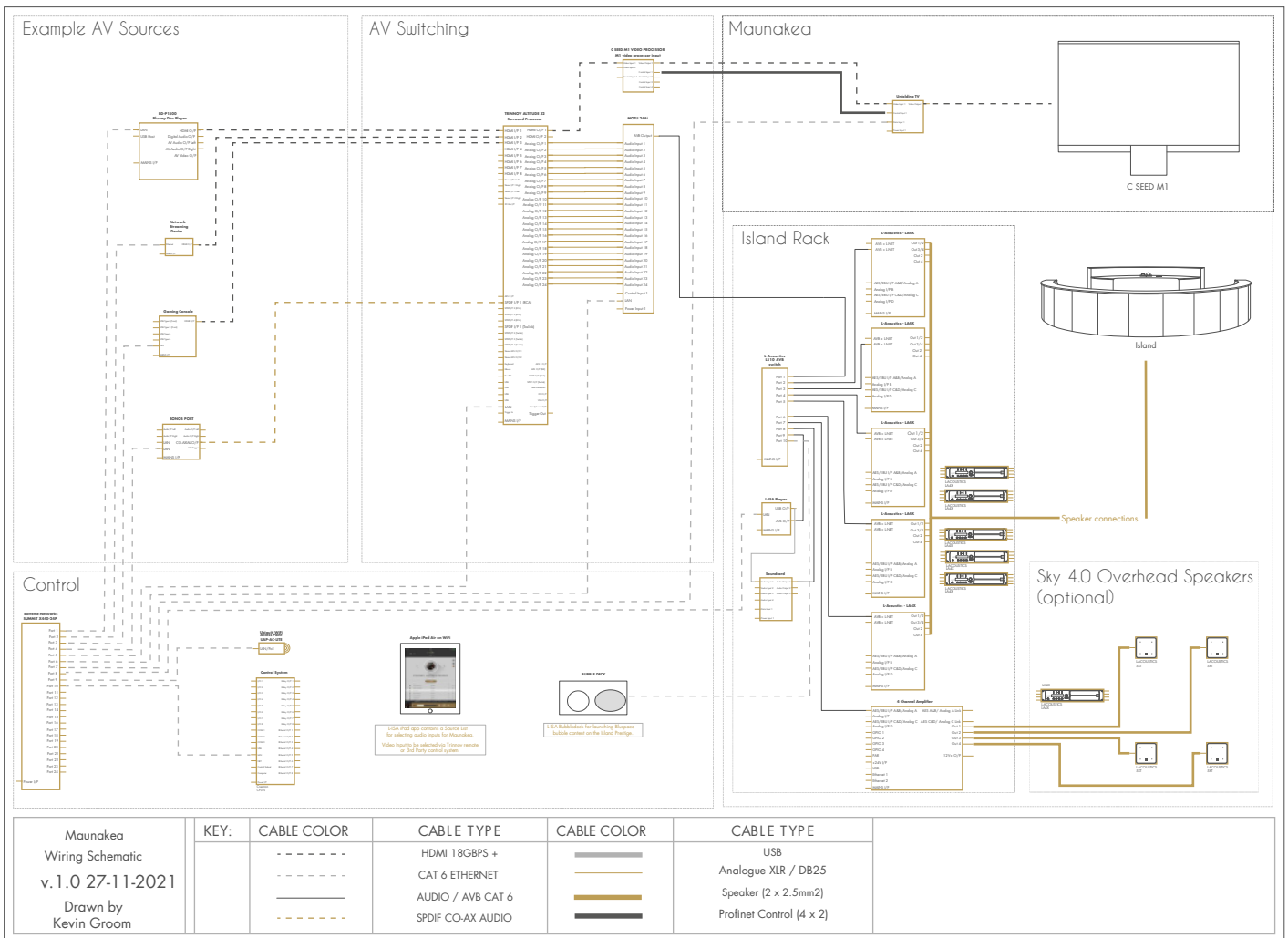


CABLE & KIT LIST FOR MAUNAKEA COMPONENTS (NOT SUPPLIED)

- 1 x Hi-speed HDMI for C seed M1 TV video input (Determine length as required)
- 1 x Hi-speed HDMI cable per video source into AV Processor (Determine length as required)
- 24 x Analogue XLR male to female interconnects OR 3 x DB25 Tascam cables from AV Processor to Motu24Ai (Determine length as required)
- 1 x SPDIF / Optical / analogue pair cable per audio source (Determine length as required)
- MOTU 24Ai soundcard
- Enterprise Grade Wireless access point or similar
- CAT6 data patch leads to all IP networked devices

MAUNAKEA SYSTEM CONNECTION SCHEMATIC

A3 size available to print here



For any further technical support or installation advice whilst integrating the Maunakea system, please contact C SEED and / or L-Acoustics Creations



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THE UNFOLDING TV

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