

# **TECHNICAL RIDER**

**PERFORMANCE TITLE: *'The Descent'***

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## EQUIPMENT LIST

COMPONENT	TYPE	QTY.	COMMENTS	TEST/TAG REQ.
<b>Computer</b>	iMac running Mac OS 10.14 or above. Includes Apple magic keyboard and trackpad.	1	Latest version of Reaper installed. Dante Controller installed.	Yes
<b>Mixing Console</b>	Yamaha LS-9 or equivalent 16 channel digital mixing console.	1	Must be rack mounted on wheels.	Yes
<b>Multichannel Controller</b>	Yamaha DME64N preferred.	1	Minimum 16 routable channels.	Yes
<b>Power Amplifiers</b>	Crown CT8150.	1	12 independent powered outputs required.	Yes
	Camco Q Power 4's.	2		Yes
<b>Loudspeakers</b>	Coda tube passive speakers.	8	8 tube speakers to be mounted on straight stands 1.4m high. 4 cube speakers to be suspended above audience on truss. 4 HK speakers on floor. Subwoofers to be situated on floor. See floor plan for locations.	No
	Code cube passive speakers.	4		No
	HK E435/E110 powered speaker stack	4		Yes
	Powered subwoofers.	2		Yes
<b>Cabling</b>	2m Cat 5.	1		No
	30m Cat 5.	1		No
	1m XLR.	12		No
	10m XLR.	2	For Subs.	No
	30m XLR.	4	For HK's.	No
	30m Neutrik SpeakON.	12	For Coda's.	No
	30m Single phase power.	1	To run from back of house distro board to control.	Yes
	10m Single phase power.	2	For rear HK's	Yes
	3m Single phase power.	4	For front HK's and subs.	Yes
	4x outlet power board.	1	For control.	Yes
	IEC power cables.	6		Yes
	Neutrik Powercon	6	For subs and HK's.	Yes
<b>Power Distribution</b>	10amp outlets.	12	Power distro connected to 3 phase outlet may be required depending on venues facilities.	Yes
<b>Miscellaneous</b>	Computer chair.	1	Height adjustable, on wheels, no armrests.	No
	Table for iMac.	1	Standard desk height.	No
	Desk lamp.	1	With boom arm.	Yes
<b>Lighting</b>	General dimmable dark ambient light.		Provided by venue.	

# PERFORMANCE SPACE FLOOR PLAN

## TOP VIEW

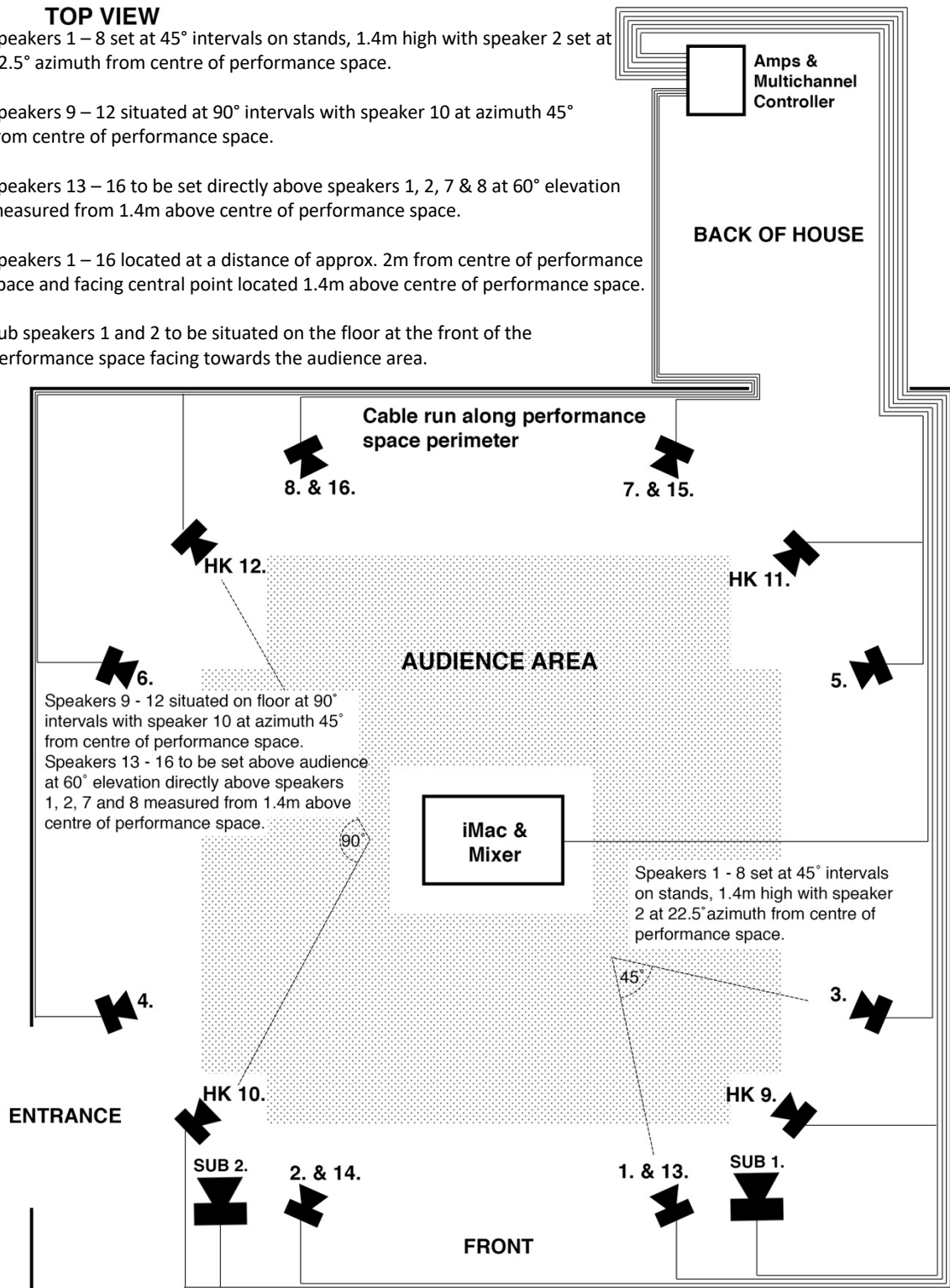
Speakers 1 – 8 set at 45° intervals on stands, 1.4m high with speaker 2 set at 22.5° azimuth from centre of performance space.

Speakers 9 – 12 situated at 90° intervals with speaker 10 at azimuth 45° from centre of performance space.

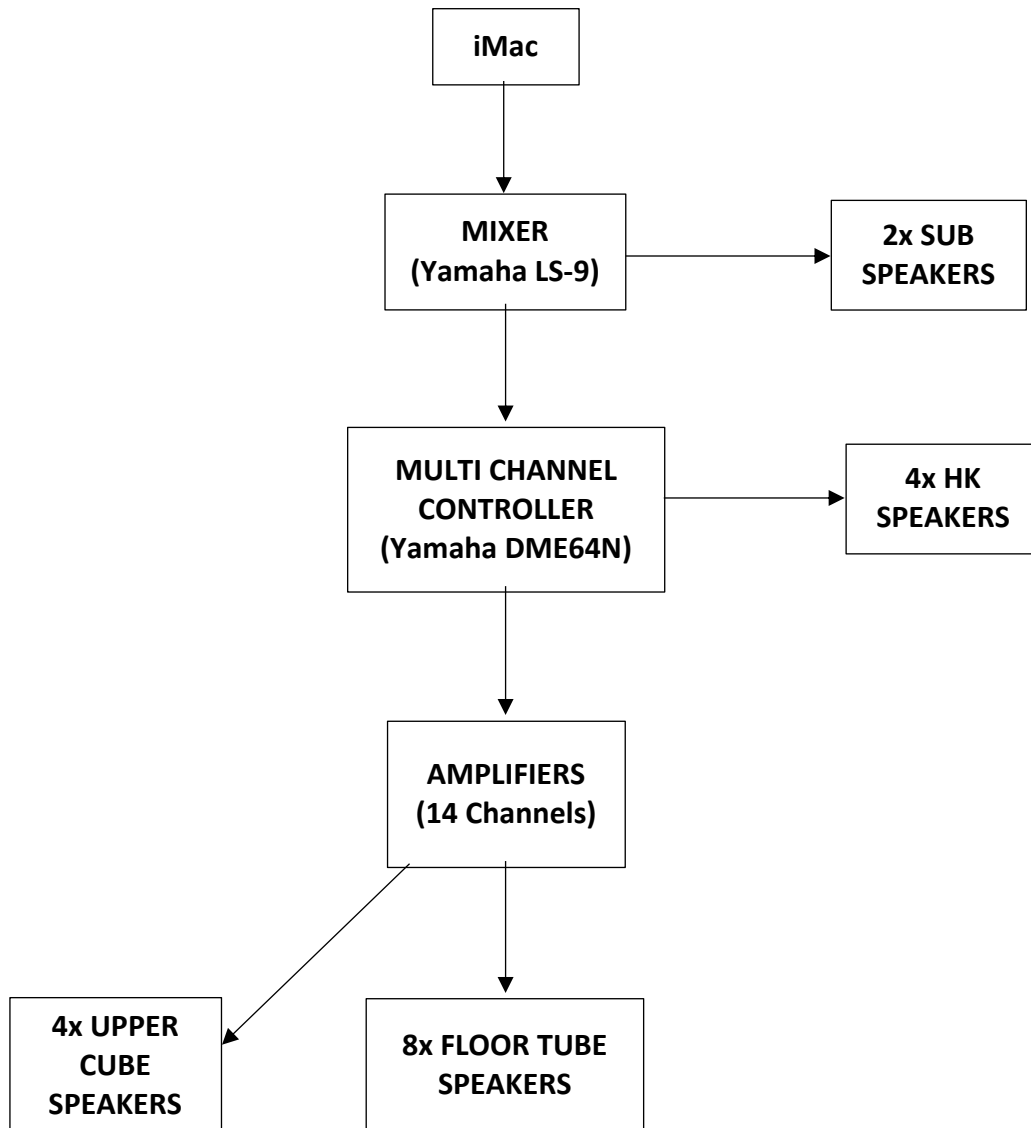
Speakers 13 – 16 to be set directly above speakers 1, 2, 7 & 8 at 60° elevation measured from 1.4m above centre of performance space.

Speakers 1 – 16 located at a distance of approx. 2m from centre of performance space and facing central point located 1.4m above centre of performance space.

Sub speakers 1 and 2 to be situated on the floor at the front of the performance space facing towards the audience area.



## SIGNAL FLOW



## PHYSICAL ROUTING

Source Component	Output Ch.	Connection	Receiving Component	Input Ch.
iMac	Ethernet	Cat 5	LS-9 Mixing Console	Ethernet
LS-9 Mixing console	Ethernet	Cat 5	Multichannel Controller	Ethernet
LS-9 Mixing console	3	XLR	Sub Speaker 1	XLR
LS-9 Mixing console	4	XLR	Sub Speaker 2	XLR
M/channel ctrl (Yam DME64N)	1	XLR	Amplifier A (Camco Q Power 4)	1
Amplifier A (Camco Q Power 4)	1	SpeakON	Floor Speaker 1	SpeakON
M/channel ctrl(Yam DME64N)	2	XLR	Amplifier A (Camco Q Power 4)	2
Amplifier A (Camco Q Power 4)	2	SpeakON	Floor Speaker 2	SpeakON
M/channel ctrl (Yam DME64N)	3	XLR	Amplifier A (Camco Q Power 4)	3
Amplifier A (Camco Q Power 4)	3	SpeakON	Floor Speaker 3	SpeakON
M/channel ctrl (Yam DME64N)	4	XLR	Amplifier A (Camco Q Power 4)	4
Amplifier A (Camco Q Power 4)	4	SpeakON	Floor Speaker 4	SpeakON
M/channel ctrl (Yam DME64N)	5	XLR	Amplifier B (Camco Q Power 4)	1
Amplifier B (Camco Q Power 4)	1	SpeakON	Floor Speaker 5	SpeakON
M/channel ctrl (Yam DME64N)	6	XLR	Amplifier B (Camco Q Power 4)	2
Amplifier B (Camco Q Power 4)	2	SpeakON	Floor Speaker 6	SpeakON
M/channel ctrl (Yam DME64N)	7	XLR	Amplifier B (Camco Q Power 4)	3
Amplifier B (Camco Q Power 4)	3	SpeakON	Floor Speaker 7	SpeakON
M/channel ctrl (Yam DME64N)	8	XLR	Amplifier B (Camco Q Power 4)	4
Amplifier B (Camco Q Power 4)	4	SpeakON	Floor Speaker 8	SpeakON
M/channel ctrl (Yam DME64N)	9	XLR	HK Speaker 9	XLR
M/channel ctrl (Yam DME64N)	10	XLR	HK Speaker 10	XLR
M/channel ctrl (Yam DME64N)	11	XLR	HK Speaker 11	XLR
M/channel ctrl (Yam DME64N)	12	XLR	HK Speaker 12	XLR
M/channel ctrl (Yam DME64N)	13	XLR	Amplifier C (Crown CT8150)	1
Amplifier C (Crown CT8150)	1	SpeakON	OH Speaker 13	SpeakON
M/channel ctrl (Yam DME64N)	14	XLR	Amplifier C (Crown CT8150)	2
Amplifier C (Crown CT8150)	2	SpeakON	OH Speaker 14	SpeakON
M/channel ctrl (Yam DME64N)	15	XLR	Amplifier C (Crown CT8150)	3
Amplifier C (Crown CT8150)	3	SpeakON	OH Speaker 15	SpeakON
M/channel ctrl (Yam DME64N)	16	XLR	Amplifier C (Crown CT8150)	4
Amplifier C (Crown CT8150)	4	SpeakON	OH Speaker 16	SpeakON

## DANTE CONTROLLER MAPPING

Dante Transmitter	Channel	Dante Receiver	Channel
NSpaceiMac	11	LS-9	1
NSpaceiMac	9	LS-9	2
NSpaceiMac	10	LS-9	3
NSpaceiMac	12	LS-9	4
NSpaceiMac	7	LS-9	5
NSpaceiMac	5	LS-9	6
NSpaceiMac	3	LS-9	7
NSpaceiMac	1	LS-9	8
NSpaceiMac	2	LS-9	9
NSpaceiMac	4	LS-9	10
NSpaceiMac	6	LS-9	11
NSpaceiMac	8	LS-9	12
NSpaceiMac	15	LS-9	13
NSpaceiMac	13	LS-9	14
NSpaceiMac	14	LS-9	15
NSpaceiMac	16	LS-9	16

Dante Transmitter	Channel	Dante Receiver	Channel
LS-9	8	01 Coda Tube 1	1
LS-9	9	02 Code Tube 2	2
LS-9	7	03 Coda Tube 3	3
LS-9	10	04 Coda Tube 4	4
LS-9	6	05 Coda Tube 5	5
LS-9	11	06 Coda Tube 6	6
LS-9	5	07 Coda Tube 7	7
LS-9	12	08 Coda Tube 8	8
LS-9	2	09 HK Audio FL	9
LS-9	3	10 HK Audio FR	10
LS-9	1	11 HK Audio RL	11
LS-9	4	12 HK Audio RR	12
LS-9	14	13 Coda Cube FL	13
LS-9	15	14 Coda Cube FR	14
LS-9	13	15 Coda Cube RL	15
LS-9	16	16 Coda Cube RR	16