

Equipment List

Hartke Hydrive 5210C Bass Combo QN: 1

Marshall Gold Series Guitar Combo Amplifier MG101GFX Qn: 1

Roland Keyboard Amplifier KC600 Qn: 2

Yamaha Electric Bass Guitar TRBX204 Qn:1

Yamaha, PAC812V Tbsunburst, Electric guitar Qn: 1

Korg, M3-61 Synthesizer (Sampling Music Workstation) Qn:1

Yamaha Drum Kit With Cymbals & Stands Qn: 1 set

GUITAR STAND QN: 2

D&B Audiotechnik T10 Line Array Loudspeaker NL4 QN: 2

D&B Audiotechnik D20 Amplifiers Qn: 1

Palmer PAN04 Stereo Passive DI Box QN : 2

Shure, SM58 Qn: 1

Beyerdynamic M201 TG Qn: 5

Allen & Heath MixWizard analogue mixing console Qn:1

SABINE GRQ3122 qn: 1

DBX 160A COMPRESSOR/LIMITER Qn:1

Sennheiser, A2003 UHF antenna Qn:1

Sennheiser, AC2 Antenna Combiner Qn:1

Sennheiser EW IEM-G4(receiver) Qn: 5

SK-IEM G4 (Transmitter) Qn:3

NL4 SPEAKON CABLE QN: 15

XLR CABLE (MALE TO FEMALE) QN: 30

16 AMP CEEFORM TO 4 WAY GANG POWER STRIP Qn: 10

16 AMP CEEFORM (MALE) TO 16 AMP CEEFORM (FEMALE) QN:10

POWERCON TO 3 PIN qn :3

IEC to 3 pin qn: 12

¼ inch TS TO ¼ inch TS qn:6

¼ inch TRS TO ¼ inch TRS qn :6

¼ inch TRS TO XLR (FEMALE) qn:6

¼ inch TRS TO XLR (MALE) qn:6

Sennheiser Tall microphones stand: 7

Crew Task

Crew 1: Equipment checkers

- Check if all the cables are working and are not faulty by using a cable tester. If there are faulty cables, use a new one
- Make sure all the equipment are in working condition by testing them. Turning on the power and make sure that all equipment are usable

Crew 2: Heavy lifters/manual workers

- Set up speakers to their positions on the stage, make sure to watch out for fellow members as their doing so
- Connect cables to respective equipment
- Set up the instruments on their respective stands and positions

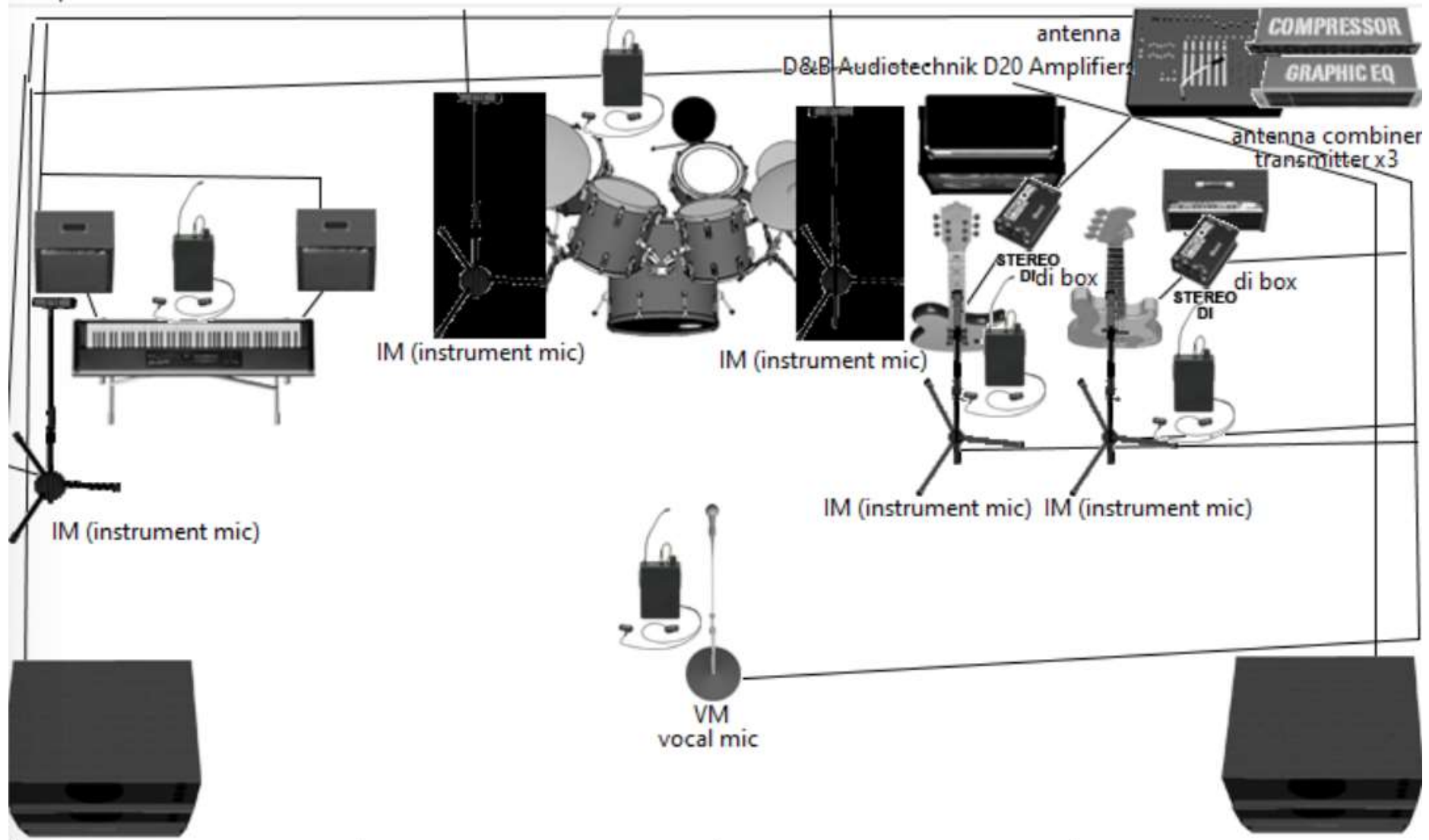
Crew 3: audio engineer

- Soundcheck using mixer, find the perfect setting for the show by using compressor, gain, panning etc:
- Make sure speakers are working by using the pink noise feature as well as making sure that everyone in the venue can hear the band perfectly fine, not too loud and not too soft
- Bind the IEM receiver to transmitter and make sure that audio can be heard in it

<u>Production Schedule</u>		
Time: 3pm	Location: Outside the venue	Things to do: Unload all equipment's from the vehicle and slowly move it to the stage area(crew 1,2 and 3)
Time: 3:30pm	Location: On the Stage	Things to do: Move all equipments to their respective areas e.g. instruments, mixer.. (crew 2)
Time: 3:40pm	Location: On the Stage	Things to do: Check all the cables and make sure theyre working (crew 1)
Time: 3:45pm	Location: On the Stage	Things to do: Start placing the speakers in place(crew 2)
Time: 3:55pm	Location: On the Stage	Things to do: Start patching of equipment, insert cables to power box, respective equipment and powerstrips (Crew 2)
Time: 4:30pm	Location: On the Stage	Things to do: Turn on power for all of the equipments and check if they're all working (crew1)
Time: 4:40pm	Location: On the Stage	Things to do: Level everything on the mixer, check if there's signal going out, test the microphones to make sure they are in the right setting (crew3)
Time: 5:50pm	Location: On the Stage	Things to do: Pan the speakers and make sure that sound can be heard from them by using pink noise to level the sound to the correct db (crew 3)
Time: 5:50pm	Location: On the Stage	Things to do: Set the antenna so that it is facing the stage and connect the IEM receivers to the transmitters, then check to see if there's any sound coming from it(crew 3)

<u>Production Schedule</u>		
Time: 6pm	Location: On the Stage	Things to do: Band rehearsal to check if everything is in order, e.g. sound levels, voice and instruments can be heard, no feedback
Time: 6:30pm	Location: On the Stage	Things to do: Start show

stage and system layout

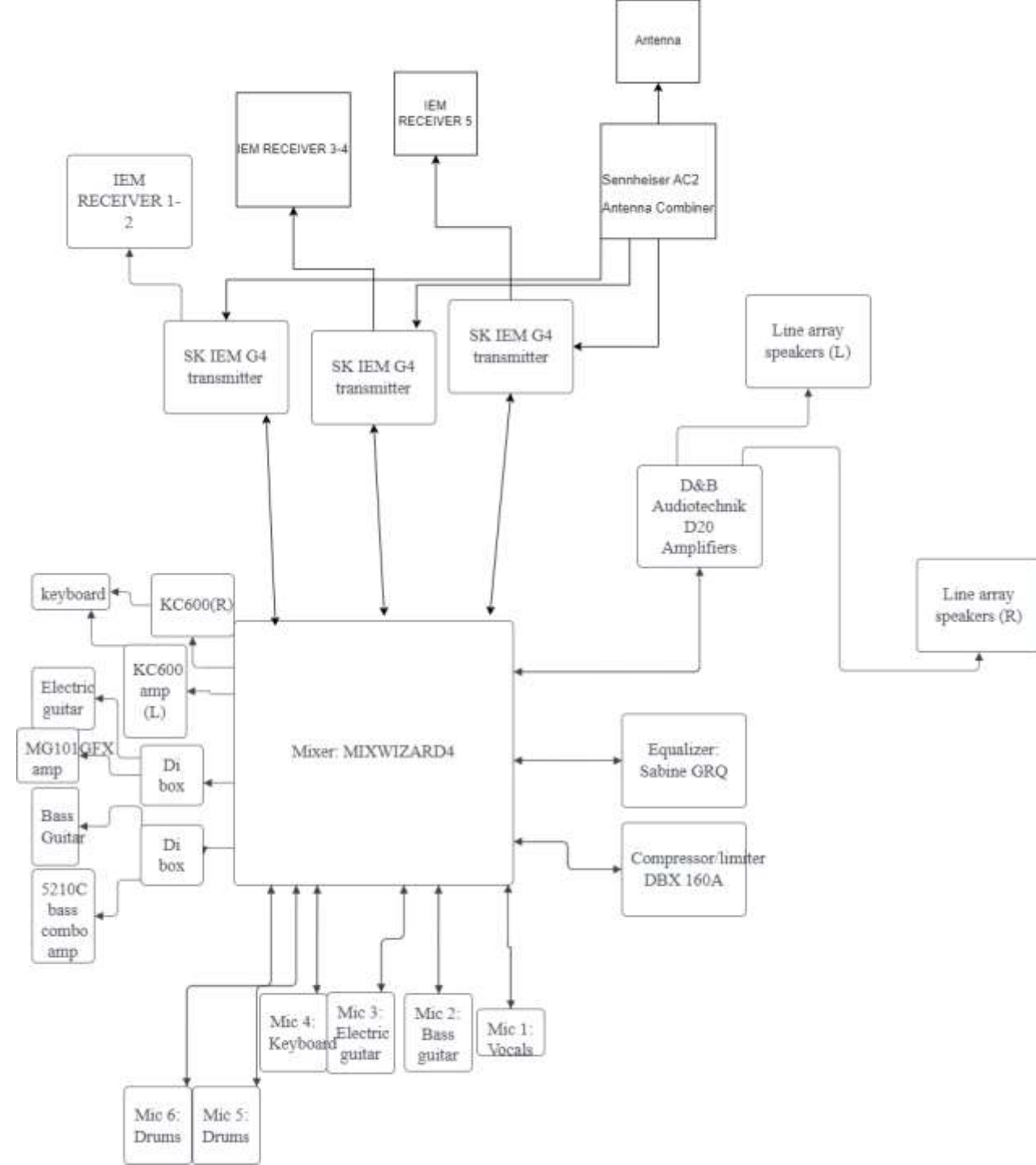


Input and output's for mic	Mic 1: Vocal mic(Shure, SM58), XLR(M) TO XLR(F). Input: MIXWIZARD4 CH1 output: Microphone
Bass Guitar mic	Mic 2: Instrument mic(Beyerdynamic M201 TG), XLR(M) TO XLR(F). Input:MIXWIZARD4 CH2 output: mic
Electric Guitar mic	Mic 3: Instrument mic(Beyerdynamic M201 TG), XLR(M) TO XLR(F). Input:MIXWIZARD4 CH3 output: mic
Keyboard mic	Mic 4: Instrument mic(Beyerdynamic M201 TG), XLR(M) TO XLR(F). Input:MIXWIZARD4 CH4 output: mic
Drum mic 1	Mic 5: Instrument mic(Beyerdynamic M201 TG), XLR(M) TO XLR(F). Input:MIXWIZARD4 CH5 output: mic
Drum mic 2	Mic 6: Instrument mic(Beyerdynamic M201 TG), XLR(M) TO XLR(F). Input:MIXWIZARD4 CH6 output: mic
Input and output for instruments	Bass Guitar: ¼ inch TS TO ¼ inch TS. Input: Di box 1 Out: Guitar output
Yamaha Electric Bass Guitar TRBX204 Yamaha, PAC812V Tbsunburst, Electric guitar	Electric Guitar: ¼ inch TS TO ¼ inch TS. Input: Di box 2 Out: Guitar output
Yamaha, PAC812V Tbsunburst, Electric guitar	Keyboard: ¼ inch TRS TO ¼ inch TRS. Input: Roland Keyboard Amplifier KC600 Out: output R
	Keyboard: ¼ inch TRS TO ¼ inch TRS. Input: Roland Keyboard Amplifier KC600 Out: output L
Input and output for di box	DI box 1: XLR(M) TO XLR(F) input: MIXWIZARD CH7 output: XLR OUT DI box 2: XLR(M) TO XLR(F) input: MIXWIZARD CH8 output: XLR OUT
Input and output for instrument amps	Hartke Hydrive 5210C Bass Combo: ¼ inch TS TO ¼ inch TS. Input: Instrument input Output: DI box out Marshall Gold Series Guitar Combo Amplifier MG101GFX: ¼ inch TS TO ¼ inch TS Input: Instrument Output: DI box out Roland Keyboard Amplifier KC600(R): XLR(M) TO XLR(F) Input: ch1 on amp output: MIXWIZARD4 CH1 Roland Keyboard Amplifier KC600(L): XLR(M) TO XLR(F) Input: ch1 on amp output: MIXWIZARD4 CH2
Input and output for SABINE GRQ3122	¼ inch TRS to XLR (M) input Aux 1 MIXWIZARD4 GRQ output: input B (L) Aux 1 MIXWIZARD4 ¼ inch TRS to XLR (M) input: input A (R) GRQ output: Aux 3 MIXWIZARD 4 ¼ inch TRS to XLR (F) input : ST1 11 MIXWIZARD 4 output: input B(L) on GRQ ¼ inch TRS to XLR (F) input : input A(R) on GRQ ST1 12 MIXWIZARD4 output: ST1 12 MIXWIZARD4

<p>Input and output for DBX 160A COMPRESSOR/LIMITER</p>	<p>2 XLR TO ¼ TRS, input(M) output (F) to insert one MIXWIZARD4</p>
<p>Input and output for power</p>	<p>IEC TO 3 POINT PIN, input: powerstrip output:MIXWIZARD 4 IEC TO 3 POINT PIN, input: powerstrip output:SABINE GEQ IEC TO 3 POINT PIN, input: powerstrip output:DBX COMPRESSOR IEC TO 3 POINT PIN, input: powerstrip output: Hartke Hydrive 5210C Bass Combo IEC TO 3 POINT PIN, input: powerstrip output: Marshall Gold Series Guitar Combo Amplifier MG101GFX IEC TO 3 POINT PIN, input: powerstrip output: Roland Keyboard Amplifier KC600(R): IEC TO 3 POINT PIN, input: powerstrip output: Roland Keyboard Amplifier KC600(L): Powercon TO 3 POINT PIN, input: powerstrip output: D&B Audiotechnik D20 Amplifiers</p>
<p>Input and output for d20 amplifiers</p>	<p>XLR(M) TO XLR (F), INPUT: INPUT 1 D20 AMP OUTPUT: MIXWIZARD4 INSERT L XLR(M) TO XLR (F), INPUT: INPUT 2 D20 AMP OUTPUT: MIXWIZARD4 INSERT R Speakon to speakon, input: T10 LINEARRAY (L) 8th box output: amplifier output A Speakon to speakon, input: T10 LINEARRAY (R) 8th box output: amplifier output B</p>
<p>Input and output for T10 LINE ARRAY (L)</p>	<p>Speakon to speakon, input: T10 LINEARRAY 1st box output T10 LINE ARRAY 2nd box Speakon to speakon, input: T10 LINEARRAY 2nd box output T10 LINE ARRAY 3rd box Speakon to speakon, input: T10 LINEARRAY 3rd box output T10 LINE ARRAY 4th box Speakon to speakon, input: T10 LINEARRAY 5th box output T10 LINE ARRAY 6th box Speakon to speakon, input: T10 LINEARRAY 7th box output T10 LINE ARRAY 8th box</p>

<p>Input and output for T10 LINE ARRAY (R)</p>	<p>Speakon to speakon, input: T10 LINEARRAY 1st box output T10 LINE ARRAY 2nd box Speakon to speakon, input: T10 LINEARRAY 2nd box output T10 LINE ARRAY 3rd box Speakon to speakon, input: T10 LINEARRAY 3rd box output T10 LINE ARRAY 4th box Speakon to speakon, input: T10 LINEARRAY 5th box output T10 LINE ARRAY 6th box Speakon to speakon, input: T10 LINEARRAY 7th box output T10 LINE ARRAY 8th box</p>
<p>Input and output for antenna</p>	<p>Antenna cable to antenna, input: antenna combiner AC2 output: UHF antenna</p>
<p>Input and output for transmitter</p> <p>Transmitter 1</p> <p>Transmitter 2</p> <p>Transmitter 3</p>	<p>XLR(F) TO XLR(M), input: input port (L) output: MIXWIZARD4 output1 XLR(F) TO XLR(M), input: input port (R) output: MIXWIZARD4 output2</p> <p>XLR(F) TO XLR(M), input: input port (L) output: MIXWIZARD4 output3 XLR(F) TO XLR(M), input: input port (R) output: MIXWIZARD4 output4</p> <p>XLR(F) TO XLR(M), input: input port (L) output: MIXWIZARD4 output5 XLR(F) TO XLR(M), input: input port (R) output: MIXWIZARD4 output6</p>
<p>Input and output for power</p>	<p>DC TO 3 POINT PLUG, input: DC INPUT IN REAR OF COMBINER output: powerstrip</p> <p>DC OUT cables from combiner, input: power input for Sennheiser transmitter 1 output: one of the dc out cables</p> <p>DC OUT cables from combiner, input: power input for Sennheiser transmitter 2 output: one of the dc out cables</p> <p>DC OUT cables from combiner, input: power input for Sennheiser transmitter 3 output: one of the dc out cables</p> <p>IEC TO 3 POINT PIN, input: powerstrip output:Korg, M3-61 synthesizer</p>

Signal Flow



Electrical Distribution

