TOURING RIG

Live rig

Playback · Stage · In-ears

RACK 1	Playback
RACK 2	Stage inputs
RACK 3	Desk · in-ears



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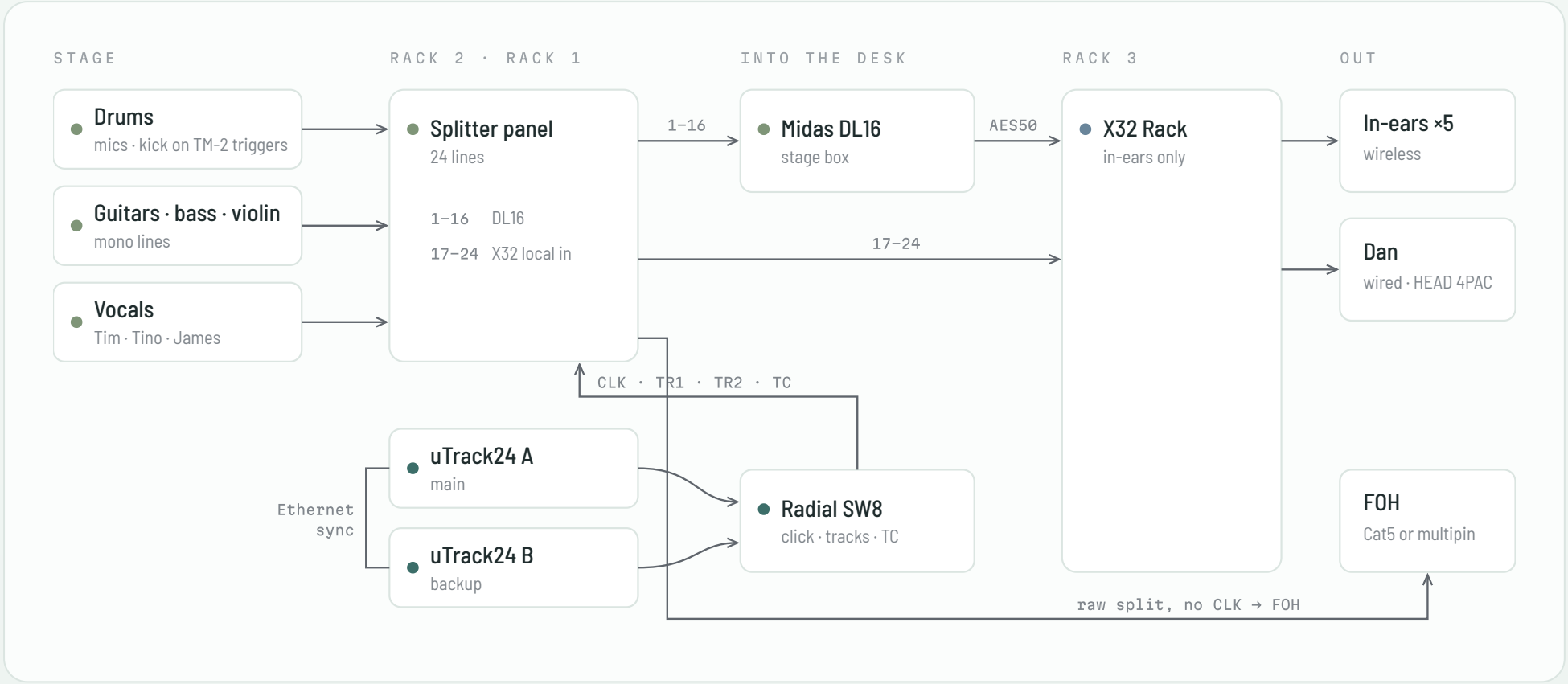
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Signal flow


STAGE
RACK 2 · RACK 1
INTO THE DESK
RACK 3
OUT
Drums
mics · kick on TM-2 triggers
Guitars · bass · violin
mono lines
Vocals
Tim · Tino · James
Splitter panel
24 lines
1–16 DL16
17–24 X32 local in
1–16
Midas DL16
stage box
AES50
X32 Rack
in-ears only
In-ears ×5
wireless
17–24
Dan
wired · HEAD 4PAC
CLK · TR1 · TR2 · TC
uTrack24 A
main
Ethernet sync
uTrack24 B
backup
Radial SW8
click · tracks · TC
FOH
Cat5 or multipin
raw split, no CLK → FOH

Inputs

SOURCE	WHO	TYPE	PATCH LABEL	IN-EARS	FOH
Drums	Dan	mics · kick triggered, TM-2	K · SN↑ · SN↓ · SN2 · H · T1–T5 · OHL · OHR	yes	yes
Guitar	Benji	mono · stage right	GTL	yes	yes
Guitar	Matt	mono · stage left	GTR	yes	yes
Bass	Tino	mono	BASS	yes	yes
Violin	Tim	mono	VIO	yes	yes
Clean vocal	Tim	wired mic	TIM	yes	yes
Backing vocal	Tino	wired mic · occasional	TINO	yes	yes
Harsh vocal	James	wireless · GLXD4R+	JAMES	yes	yes
Spare vocal	James	wired mic · if the wireless fails	SPR	yes	yes
Click		**SW8 out 1**	CLK	yes	no
Backing tracks		SW8 out 2 · 3	TR1 · TR2	yes	yes
Timecode		SW8 out 8 · for lighting	TC	—	yes

RACK 1

Playback

FRONT



REAR



1 **JLM HEAD 4PAC** Dan's headphones

2 **uTrack24 A** main

3 **uTrack24 B** backup

4 **Radial SW8** A/B switch

Cymatic uTrack24 ×2

FRONT



REAR



1 **USB** — song stick, same on A and B

2 **Outputs 1–8** first DB25 → SW8 input A (unit A) / B (unit B)

3 **Network** ↔ the other uTrack · one Ethernet cable keeps A and B in sync

Radial SW8 · JLM HEAD 4PAC

SW8 · FRONT



SW8 · REAR



HEAD 4PAC · FRONT



HEAD 4PAC · REAR



1 **Outputs** 1 click → CLK · 2 tracks → TR1 · 3 tracks II → TR2 · 8 timecode → TC

2 **Input select A / B** — manual switch, alarm LED

3 **Input A** ← uTrack A

4 **Input B** ← uTrack B

5 **Channel 1** → Dan's headphones · MONO if one side only

6 **HP 1 left in** ← X32 aux out "DAN" (red cable)

CHANNELS 2–4 UNUSED

RACK 2

Stage inputs

FRONT



REAR



1 **Splitter panel** 24 stage lines · all but CLK to FOH

2 **Jackson** power · rear rails

3 **Shure GLXD4R+** James's wireless

4 **Midas DL16** lines 1–16 → X32

Splitter panel · DL16 · GLXD4R+

K	SN↑	SN↓	SN2	H	T1	T2	T3	T4	T5	OHL	OHR
Kick	Snare top	Snare bottom	Snare 2	Hi-hat	Tom 1	Tom 2	Tom 3	Tom 4	Tom 5	Overhead L	Overhead R
1	2	3	4	5	6	7	8	9	10	11	12

BASS	GTL	GTR	TR1	TR2	VIO	TINO	JAMES	TIM	SPR	CLK	TC
Bass · Tino	Guitar · Benji	Guitar · Matt	Tracks 1	Tracks 2	Violin · Tim	Vocal · Tino	Vocal · James	Vocal · Tim	Spare · James	Click	Timecode
13	14	15	16	17	18	19	20	21	22	23	24

DRUMS · BASS · GUITARS · VIOLIN · VOCALS · PLAYBACK

1–16 → DL16 · 17–24 → X32 LOCAL IN · EVERY LINE BUT CLK → FOH

DL16 · FRONT



1 **Inputs 1–16** ← panel lines 1–16 · AES50 → X32 port A · outputs unused

GLXD4R+ · REAR



2 **James · harsh vocal** → JAMES · own two antennas

RACK 3

In-ear desk

FRONT



REAR



1 **Sennheiser AC 41** antenna combiner

2 **IEM G4 ×5** everyone but Dan

3 **X32 Rack** in-ear desk

Behringer X32 Rack

REAR



1 **Local in 1–8**
← panel lines 17–24

2 **AES50 A**
← Midas DL16 · 16 ch

3 **XLR out 1–8**
→ transmitters · all 8 used

4 **Aux out "DAN"**
→ HEAD 4PAC

5 **Ethernet**
→ modem

Sennheiser IEM G4 · AC 41

MIXES

Tim	clean vocal · violin
Tino	bass · backing vocal
Matt	guitar · GTR
Benji	guitar · GTL
James	harsh vocal
Dan	drums · wired, HEAD 4PAC

TRANSMITTER · REAR



AC 41 · REAR



1 **Audio in** ← X32 out · Tim, Matt, Tino stereo · Benji, James mono on L

2 **Antenna** → AC 41 · the fifth to a second antenna

3 **RF in 1–4** ← four transmitters · powers them too

4 **Antenna out** → shared antenna

Cables

FROM	TO	CABLE
Stage lines	Patch panel, by label	XLR
Kick triggers ×2	Trigger case TRIG in	¼″
Trigger case KIK	Panel K	XLR
Panel 1–16	DL16 in 1–16	XLR
Panel 17–24	X32 local in 1–8	XLR
DL16	X32 AES50 A	Shielded Cat5e
X32 Ethernet	Modem	Ethernet
uTrack A out 1–8	SW8 input A	DB25
uTrack B out 1–8	SW8 input B	DB25
uTrack A network	uTrack B network	Ethernet
SW8 out 1 · 2 · 3 · 8	Panel CLK · TR1 · TR2 · TC	XLR
X32 out 1–8	In-ear transmitters · 3 stereo, 2 mono	XLR
4 transmitters	AC 41 RF in	BNC
5th transmitter	Second antenna	BNC
X32 aux out "DAN"	HEAD 4PAC HP 1 left	¼″ TRS
Splitter panel	FOH desk	Cat5 or multipin

Checklist

PLAYBACK

- [ ] Same playlist on A and B
- [ ] SW8 on A, auto on
- [ ] Stop A mid-song: B takes over
- [ ] Click in in-ears, not in FOH

STAGE & DESK

- [ ] X32 shows A: DL16
- [ ] Line check 1–24
- [ ] James's wireless charged
- [ ] Phones and tablets on the modem

IN-EARS

- [ ] Scan, then sync every pack
- [ ] Names on packs match the rack
- [ ] Levels down before packs go in
- [ ] Dan's headphone level set