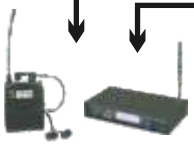
Typical input and output connections
System Block Diagram

Headphone or In-Ear

Fast Ethernet (100MBps) Network



Stereo Mix Output (balanced) for listening to individual monitor mix via In-Ear system

2 Mono or 1 Stereo Input Mic/Line (balanced) for microphones, instruments, modelers, keyboards, e-drums and submixers

or

or

amplifier and passive monitor speakers

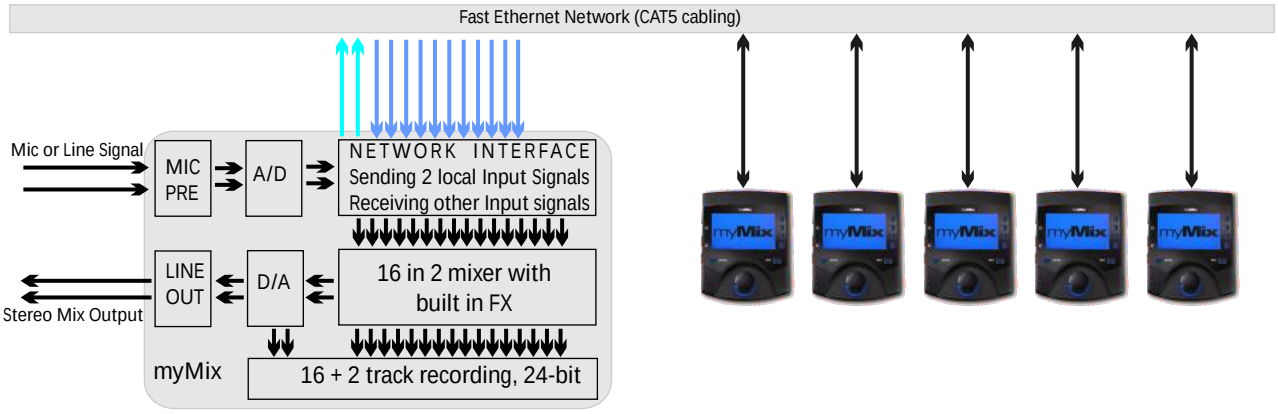
or

or

or

powered monitor speaker

Inputs plugged into one myMix unit are available on all other myMix units via the network. Outputs are the individual monitor mixes, available on 3,5mm headphone or balanced line outputs.



myMix Block Diagram - the two local input signals are converted and sent to the network, while the signals from the other myMix units are received from the network. Up to 16 signals can be recorded as multitrack plus the mixed stereo monitor signal.

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Application Band Rehearsal
Selfcontained system for 5 musicians with individual mixes for up to 10 inputs

Joe- Guitar: uses a mic to pick up the guitar amplifier, the second input is for Nicks mic. The outputs are connected to a power amplifier to drive a pair of monitor speakers.

Nick- Keyboards and backing vocals. Keyboards connected to myMix (Stereo), vocal mic connected to free input on Joe's myMix. Nick listens through his wired in-ears.

Steve- Bass and backing vocals. Bass is connected direct from the amplifier line out to myMix. Steve uses headphones to listen.

Lisa- Lead Vocals. Connects her vocal mic to myMix, the second input is for Greg's click track. She is listening through wired in-ears.

Greg- Drums. Greg is using one mic for kick drum and one overhead mic for snare, hihat and cymbals in the rehearsal room. He uses a headphone for listening.

Conventional Fast Ethernet (100MBps) switch with 5 ports to connect to all myMix units via a CAT5 cable.

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Application Club Gig - stage mixing
Selfcontained system for 5 musicians with individual mixes plus main PA mix

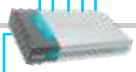
Joe- Guitar: uses a mic to pick up the guitar amplifier. myMix outputs are connected to an in-ear system or a monitor speaker.

Nick- Keyboards and backing vocals. Keyboards connected to myMix (Stereo), vocal mic connected to free input on Joe's myMix. Nick is listening through an in-ear system or a monitor speaker.

Steve- Bass and backing vocals. Bass connects from line out to myMix. Steve is using an in-ear system or a monitor speaker for listening.

Lisa- Lead Vocals. Connects the receiver of her wireless mic to myMix and uses the second input for Greg's click track. She is listening through her wireless in-ear system.

Greg- Drums. Greg is using a submixer for his drum kit. He uses an in-ear system or a monitor speaker for listening. All 6 myMix units are connected to a Fast Ethernet (100MBps) switch.



An additional myMix is used to create the mix for the main PA speaker system. A mic for announcements and a file player for background music are connected to the inputs.

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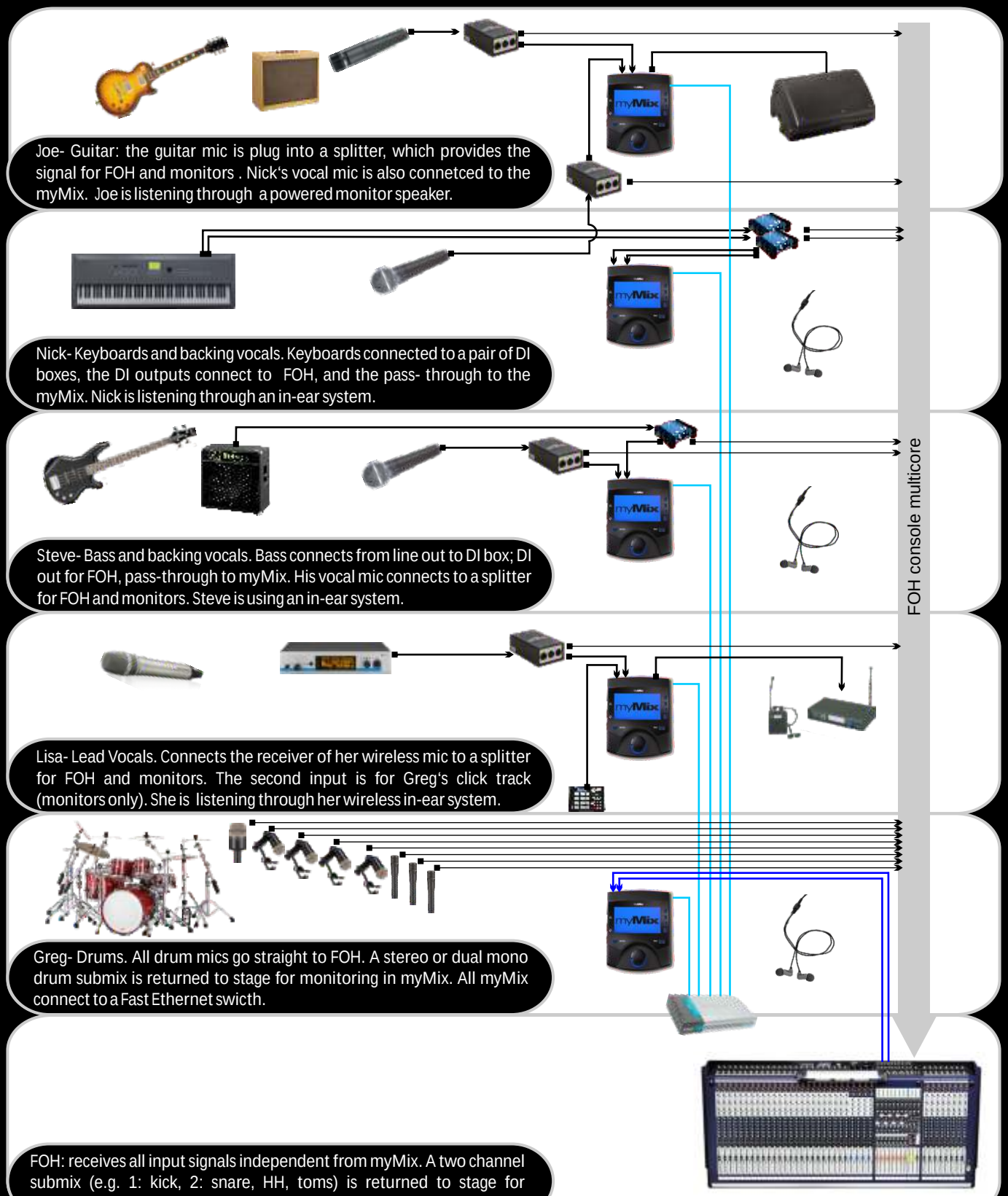
Application Concert with FOH console
5 musicians with individual mixes
Drum submix at FOH console



Joe- Guitar: the guitar mic is plug into a splitter, which provides the signal for FOH and monitors . Nick's vocal mic is also connetced to the myMix. Joe is listening through a powered monitor speaker.

Nick- Keyboards and backing vocals. Keyboards connected to a pair of DI boxes, the DI outputs connect to FOH, and the pass- through to the myMix. Nick is listening through an in-ear system.

Steve- Bass and backing vocals. Bass connects from line out to DI box; DI out for FOH, pass-through to myMix. His vocal mic connects to a splitter for FOH and monitors. Steve is using an in-ear system.

Lisa- Lead Vocals. Connects the receiver of her wireless mic to a splitter for FOH and monitors. The second input is for Greg's click track (monitors only). She is listening through her wireless in-ear system.

Greg- Drums. All drum mics go straight to FOH. A stereo or dual mono drum submix is returned to stage for monitoring in myMix. All myMix connect to a Fast Ethernet swicth.

FOH: receives all input signals independent from myMix. A two channel submix (e.g. 1: kick, 2: snare, HH, toms) is returned to stage for monitoring through myMix. Talkback to stage through same feed.

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