

# Glyph 216

## personal monitor



## A collaborative system for creating individual monitor mixes.

### Features:

- Peer-to-peer, no board sends or monitor board required
- Signals plug directly into the GPM-216, cable split sends signals back out to mixer
- Units connect with CAT5 Ethernet cable
- Transmits 2 audio streams, mixes 16
- Save and recall monitor mix settings
- Can be used with headphones, earbuds and powered wedges
- Tabletop or rack-mountable enclosure
- Setup mode allows programming the GPM-216 prior to performance
- Uses standard network protocols
- Configuration via Java and web interface
- Pristine 24 bit, 48 kHz sound quality
- Built-in reverb and instrument tuner

The GPM-216 lets musicians create their own individual monitor mix, exactly the way they want it, on stage or in the studio. Musicians plug instruments and microphones into the front-panel audio inputs, where the signals are digitized and distributed to other units over a network using standard Ethernet cables. The unit has an easy to use interface to control your individual mix of local and networked audio sources using front-panel controls and an LCD screen. It has front-panel output connectors for headphones or earbuds, and line outs on the back for powered wedges or other audio gear. Send/Return loops allow musicians to patch in external effects or EQ for their overall mix, or apply them to their own input channels.

### Peer-to-peer/musician-to-musician architecture

Using the Glyph Monitor system on stage is dramatically different than using a traditional monitoring setup because it does not require a dedicated monitor mixing board or engineer. Its design implements a peer-to-peer architecture, where all the units connect to one another, instead of connecting to a central mixer. Signals from performers are split at each performer's GPM, sending to both the monitoring network and the front of house (FOH) mixing board. Each performer's unit contains the basic functions of a mixing board (mic pre, gain, volume, pan, mute, phase reverse), eliminating the need for a monitor mixing board.

### Front panel controls

- Mode Select button - switches between Performance and Setup Mode
- Function Select knob - selects functions such as "Mixer" and "Pan" in Performance Mode, and "diagnostics" and "configuration" in Setup Mode
- 16 Selector buttons - chooses and displays info about source signal
- LCD screen - displays current selections and parameters
- Data knob - changes "continuous" parameters like volume level or pan position
- Data buttons - change binary parameter of source signal, like solo and mute
- Volume, Treble, Bass knobs - control audio sent to headphones and line outputs

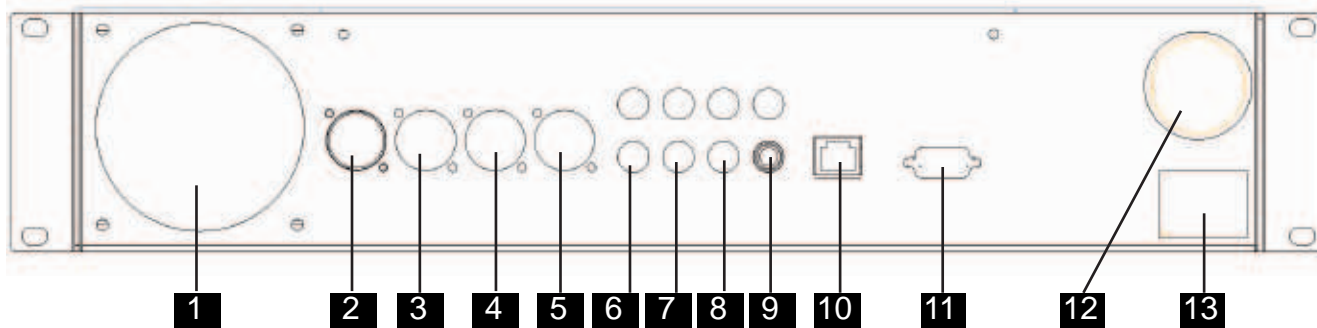


**Cool, huh?**

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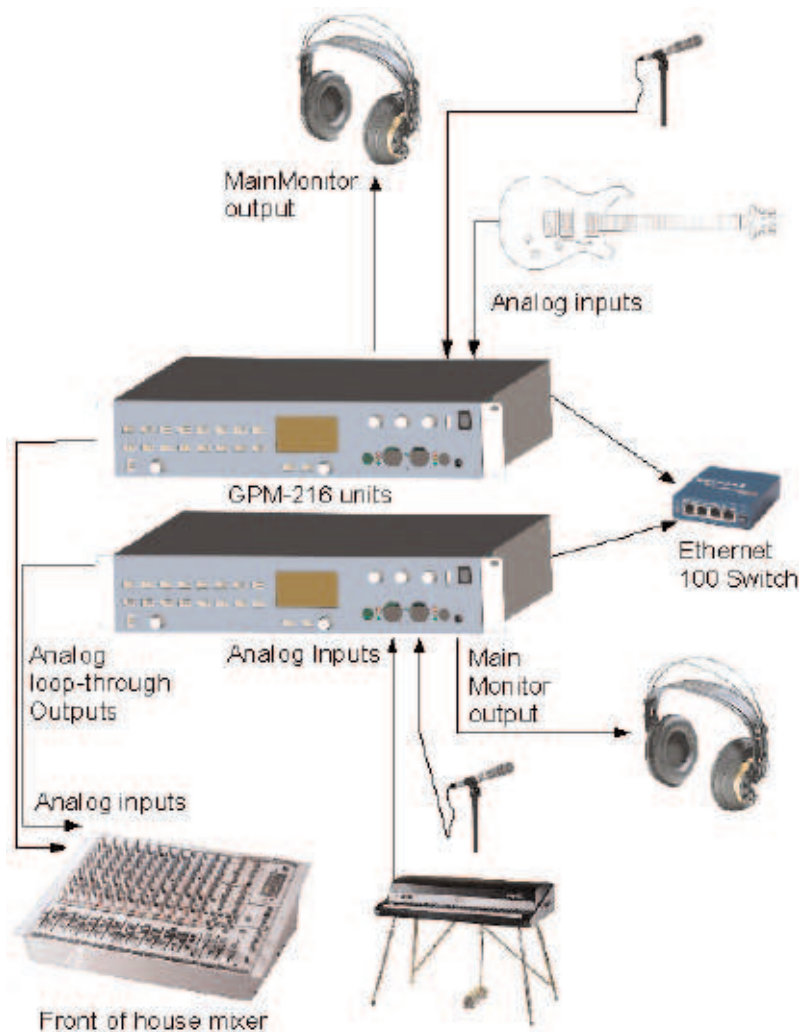
## Details of the GPM-216 Back Panel



- 1 - 80mm fan for exhausting heat from the unit
- 2 - Input A - Female XLR mic/instrument input
- 3 - Thru A - Male XLR mic/instrument output
- 4 - Input B - Female XLR mic/instrument input
- 5 - Thru B - Male XLR mic/instrument output
- 6 - Thru A and B - Balanced TRS 1/4" loop-through outputs

- 7 - Aux Send/Return 1 and 2 - TRS per channel inserts
- 8 - Left and Right Main Insert - TRS main inserts
- 9 - Left and Right Main Output - Balanced TRS 1/4"
- 10 - CAT5 Ethernet connector
- 11 - Expansion Port
- 12 - Power supply cooling fan
- 13 - Power connector

## Stage Connection Diagram



## GPM-216 in a live sound environment

Each musician carries a GPM-216 with them to the gig and sets it up with their gear on stage. The unit acts as a console for mixing each musician's monitor. Here's how it's connected:

- Musicians connect instruments to the front-panel analog inputs, which can accommodate sources such as vocal mics, instrument mics, direct guitar, keyboard or bass signals.
- "Loop through" outputs are connected to the FOH mixing board. The signals delivered to the FOH console are unaffected by the GPM-216. It is essentially a cable split.
- Musicians connect the main outputs to their monitor of choice, which could be headphones, earbuds or amplifiers driving traditional wedges.
- GPM-216 units are connected together via standard CAT5 Ethernet cable through an Ethernet 100 switch.

Signals from everyone in the band are seen as "inputs" on every unit. Musicians mix local and incoming sources, and broadcast their own sources onto the network for others to mix. Musicians simply select a source via a front panel selector button, and can quickly change volume, pan, mute and solo for that source. It is designed for easy readout with an LCD screen for identifying names of sources, placement in the stereo spectrum and status of mute or solo. All of the controls and the screen are well lit for stage use.