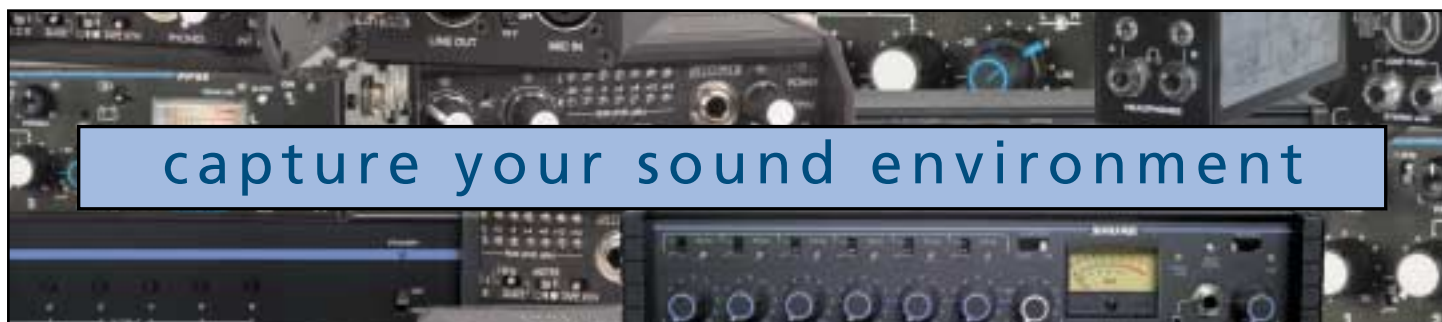


Field Production & Remote Broadcast Products



capture your sound environment

SHURE[®]
IT'S YOUR SOUND[™]

reliable



FP16A*

A 1-input, 6-output, portable distribution amplifier for routing multiple audio feeds, the FP16A is ideal as a portable press bridge.

- XLR transformer-balanced input and outputs – each switchable for microphone or line-level operation
- Link jacks for connecting additional FP16A units or outboard devices
- Screwdriver-adjustable gain control
- Rack-mountable with A16R
- Battery (three standard 9V) or 120/230 Vac power

* Not approved for use in EU

FP22

The FP22 headphone amplifier provides professional quality headphone monitoring and is ideal for field production, live sound studio recording, and troubleshooting applications.

- Capability to monitor a wide range of signal levels with 80 dB gain
- Balanced mono XLR input with loop through (mic or line-level)
- 1/4" TRS stereo input jack with loop through
- Two high-quality headphone outputs
- Passes phantom power from any external source
- Removable belt clip
- Battery (one standard 9V) or external 12-24 Vdc power

FP23

The FP23 is a portable, battery-powered microphone preamplifier with phantom power. Ideal for any critical, on-location recording, this studio-quality microphone preamplifier can withstand the rigorous production environments associated with: radio, television, video, sports, and film production.

- Premium quality input and output transformers provide superior audio quality with freedom from RF interference problems
- Maximum of 66 dB of gain, adjustable in eleven discrete steps for accurate, repeatable gain settings
- Custom-designed balanced output transformer and high output line driver for long cable runs
- Virtually "unclippable" input and output stage peak limiter
- Switchable low cut filter (80 and 160 Hz 6 dB per octave)
- Dynamic range exceeding 120 dB
- Battery (two standard AA) provides 24 hours battery life (phantom power off)



M367 and FP33



FP23

performance

Field Production & Remote Broadcast Products

Field production work demands superior performance from both you and your equipment. There are many variables to contend with. The reliability of your gear should not be one of them. No matter what environment you're in, you want to know that your mixer or amplifier is going to do its job every time. Flawlessly.

Which is why so many field production engineers rely on Shure Field Production and Remote Broadcast products. And have done so for over a quarter century.

All Shure products are built and tested to withstand the most extreme real-life operating conditions. And they're designed to be as flexible and portable as possible – each one meeting a number of field production requirements. So you can trust your FP products to do their job in even the most punishing environments.

We know you have a job to do – and you don't want to spend time troubleshooting unreliable field equipment.

Shure Field Production and Remote Broadcast Products. Capture your sound environment.

flexible



FP24

The FP24 is a studio-quality two-channel, portable, stereo microphone preamplifier/mixer. Equipped with assignable inputs to L-C-R outputs, built-in slate microphone, 1 kHz tone oscillator, and headphone monitoring, the FP24 is a flexible choice for any field production system requiring high-quality audio reproduction.

- Two transformer-balanced microphone inputs – with three position mixing capabilities (left, right, center)
- Unique seven-segment peak output meters – three levels of brightness, one readable even in direct sunlight
- Hi-current balanced output drivers provide signal integrity over long cable runs
- Headphone preamplifier enables monitoring of program audio or external tape return
- “Unclippable” input peak limiter with adjustable threshold (each input)
- Links to FP33 via A33LK
- Switchable low cut filter (80 and 160 Hz 6 dB per octave)
- Battery (two standard AA) or 5-14 Vdc power



FP33

The FP33 is a full featured 3-input, 2-output, portable stereo mixer specifically designed for remote audio recording, field production, electronic news gathering, and location film production.

- High-precision sealed input potentiometers
- Professional VU meters with selectable timed or toggled backlighting
- LED indicators for input level, peak output, limiter action, and low battery
- Link switch gangs inputs 2 and 3 into a stereo pair
- Isolated two-way talk-back capability
- Headphone monitor switch to select L, L+R, R, Stereo, or M/S decoding
- Customized operation via internal modification
- Expand number of inputs by connecting an additional FP24 (A33LK) or FP33 using mixbus
- Included carrying case, shoulder strap, and mix bus cable
- Battery (two standard 9V) or 12-30 Vdc power

With over 100 selectable frequencies, Shure's Microprocessor-controlled Predictive Diversity, tone key and noise squelch circuitry, the UP4 Portable UHF Wireless Receiver provides consistently clear reception even in the most unpredictable operating environments. The UP4 is compatible with Shure's

field-tested UC and UHF body-pack/lavalier and handheld transmitters* and provides up to 10 hours of continuous operation from a single 9V battery.

*UHF series only in EU



rugged



FP42

The FP42 is a 4-input, 2-output stereo mixer for broadcast and remote audio recording.

- Transformer-balanced mic/line inputs and outputs
- Pull-pot cueing on all inputs for headphone monitoring
- Switchable limiter
- Dual VU meters
- Mix bus L and R phone jacks for linking multiple FP42 mixers
- Tone oscillator
- Phantom power for condenser microphones
- Rack-mountable with A16R
- Battery (three standard 9V) or 120/230 Vac power

FP410

The FP410 is a 4-input, 2-output (mono) portable automatic mixer that uses Shure IntelliMix® technology to dramatically improve audio quality by providing greater gain-before-feedback, reducing the pickup of ambient noise and reverberation, and virtually eliminating comb filtering effects. The FP410 is the only battery-operated, portable automatic mixer available.

- Noise-Adaptive Threshold – activates a microphone for speech only by distinguishing between constant background noise and rapidly changing sound (such as speech)
- MaxBus – limits the number of activated microphones to one per talker
- Last Microphone Lock On – keeps the most recently activated microphone open until a newly activated microphone takes its place
- Ideal for video production, broadcast, conference recording, and field production
- Single rack space design, accessory rack ears included
- Can be used as a manual mixer
- Selectable metering
- Battery (two standard 9V) or 120/230 Vac power

M367

For years, Shure customers relied on the M267 microphone mixer in small sound reinforcement installations and location sound applications. The M367 six-channel microphone mixer delivers the same durability with better audio quality and more features.

- 25 dB quieter circuitry than the M267
- Six balanced mic/line inputs and two isolated outputs
- 12 and 48 volts Phantom power
- Input clipping LEDs and output peak/limiter threshold
- Adjustable limiter threshold
- Headphone monitor circuit
- Rack-mountable with A367R
- Mix bus to link M267 and M367
- Battery (two standard 9V) or 120 Vac (230 Vac: M367E) power with detachable cord



VP64 and FP24

specifications

Specifications	FP16A	FP22	FP23	FP24
Input Channels	1 Switchable Mic or Line Level	1 or 2 Switchable Mic or Line Level	1 Mic Level	2 Mic Level
Input Connector Type	Transformer-coupled XLR	Mono XLR or Stereo 1/4" TRS	Transformer-balanced XLR	Transformer-balanced XLR
Output Channels	6 Switchable Mic or Line Level	2 Mono or Stereo Headphone Level	1 Line Level	2 Line Level
Output Connector Type	Transformer-coupled XLR	1/4" TRS or 3.5 mm stereo	Transformer-balanced XLR	Active, impedance-balanced XLR Tape - Unbalanced 3.5 mm TRS
Input Clipping Level	-6 dBV at 1 kHz +44 dBV at 1 kHz N/A	-16 dBV at 1 kHz +34 dBV at 1 kHz N/A	+2 dBV at 1 kHz N/A N/A	-2 dBV at 1 kHz (phantom on) N/A -12 dBV at 1 kHz (tape return)
Output Clipping Level	-34 dBV with 150 ohm load +16 dBV with 600 ohm load N/A N/A	N/A N/A N/A -6 dBV with 8 ohm load	N/A +18 dBV with 600 ohm load N/A N/A	N/A +18 dBV with 600 ohm load +9 dBV with 100k ohm load +12 dBV with 200 ohm load
I/O Expansion	Mixbus (FP16A)	N/A	Link to FP33 using A33LK*	Link to FP33 using A33LK*
Phantom Power	30 V	passes phantom power	12 V or 48 V	15 V or 48 V
Metering	None	None	None	Selectable Intensity Peak
Low Cut Filters	None	None	80 Hz or 160 Hz, 6 dB/oct.	80 Hz or 160 Hz, 6 dB/oct.
Battery Power	Three 9 V	9 V	Two AA	Two AA
Battery Life	20 hrs.	15 hrs.	24 hrs.	6 hrs.
External Power	120 Vac or 240 Vac	12 - 24 Vdc	N/A	5 - 14 Vdc

*The Shure A33LK is a custom y-Cable for linking up to 2 FP23s or 1 FP24 to the FP33.

Specifications	FP33	FP42	FP410	M367
Input Channels	3 Switchable Mic or Line Level	4 Switchable Mic or Line Level	4 Switchable Mic or Line Level	6 Switchable Mic or Line Level
Input Connector Type	Transformer-balanced XLR	Transformer-coupled XLR	Transformer-balanced XLR	Transformer-balanced XLR
Output Channels	2 Switchable Mic or Line Level	2 Switchable Mic or Line Level	2 (mono) Switchable Mic or Line Level	2 Switchable Mic or Line Level
Output Connector Type	Transformer-balanced XLR Tape - Unbalanced 3.5 mm TRS	Transformer-coupled XLR	Transformer-balanced XLR Tape - Unbalanced 3.5 mm phone	Transformer-balanced XLR
Input Clipping Level	-10 dBV at 1 kHz +36 dBV at 1 kHz +21 dBV at 1 kHz	-5 dBV at 1 kHz +45 dBV at 1 kHz N/A	-15 dBV at 1 kHz +26 dBV at 1 kHz +21 dBV at 1 kHz	-10 dBV at 1 kHz +36 dBV at 1 kHz 0 dBV at 1 kHz
Output Clipping Level	-31 dBV with 150 ohm load +18 dBV with 600 ohm load +3 dBV with 100k ohm load +19 dBV with 8 to 200 ohm load	-33 dBV with 150 ohm load +16 dBV with 600 ohm load N/A +6 dBV with 200 ohm load	-31 dBV with 150 ohm load +19 dBV with 600 ohm load -2 dBV with 100k ohm load +6 dBV with 8 to 200 ohm load	-31 dBV with 150 ohm load +16 dBV with 600 ohm load N/A 11 dBV with 8 to 200 ohm load
I/O Expansion	Mixbus (FP24 or FP33)	Mixbus (FP42)	Intellimix Link (FP410)	Mixbus (M267 or M367)
Phantom Power	12 V, 48 V or 12 V T (A-B)	30 V	14 V or 48 V	12 V or 48 V
Metering	VU	VU with range switch	Peak or VU	VU
Low Cut Filters	150 Hz, 6 dB/oct.	150 Hz, 6 dB/oct.	170 Hz, 6 dB/oct.	150 Hz, 6 dB/oct.
Battery Power	Two 9 V	Three 9 V	Two 9 V	Two 9 V
Battery Life	> 8 hrs.	10 hrs.	12 hrs.	8 hrs.
External Power	12-30 Vdc (non-polarized)	120 Vac or 240 Vac	120 Vac	120 Vac or 240 Vac



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