SHURE®

LEGENDARY
PERFORMANCE™

2016 Audio Solutions for
Broadcast and Media Production

THE COMPLETE
SOUND PICTURE.

CREATE HISTORY WITH THE AUDIO BRAND THAT'S HELPED CAPTURE IT.

Having the right tools for the right job.

It's something Shure has learned over 90 years of producing equipment that has helped capture many of the world's most legendary performances.

It's a truth that dates back to the iconic Shure 55 Unidyne microphone, engineered especially for broadcast. To the ubiquitous Model 333 ribbon microphone during the Golden Age of television. To the M67 Portable Mixer, which revolutionized newsgathering. And many more.

That's why Shure continues to bring broadcast and media production professionals everything needed to excel in today's increasingly demanding environments. From portable solutions and application-specific microphones and headsets, to advanced wireless systems designed to tackle the toughest spectrum challenges.

Because now, as always, the world is listening.

Mission-critical technology:
AXIENT® WIRELESS MANAGEMENT NETWORK

The live awards show. The halftime special. Some broadcast performances call for solutions beyond everyday wireless. The Axient® Wireless Management Network delivers the technology needed to conÿdently navigate even the most limited spectrum availability. Axient components continuously monitor, evaluate, prioritize, queue and assign compatible UHF frequencies, and are fully networkable, to enable real-time remote adjustments of all transmitter parameters. For peace of mind capturing the performance for the live audience and the one at home. No matter how big the venue—or the moment.

The groundbreaking benefit of the Axient Wireless Management Network

Transmitter remote control
The fi st system with total remote control of all transmitter parameters.

Wireless Workbench® Software
Designed to take advantage of Axient's breakthrough RF spectrum plotting, comprehensive frequency coordination and live performance monitoring.

Interference detection & avoidance
Automatically detects interference and moves to a clear, compatible channel in a fraction of a second.

Frequency diversity
Simultaneous two-frequency transmission for seamless, uninterrupted audio.

Spectrum management
Simplifies the most complex RF environments with detailed scanning, coordination and visualization.

Advanced power management
A comprehensive suite of batteries and chargers that set new standards for real-time monitoring and lifecycle management.

AXT100

Bodypack Transmitter

A giant leap forward in wireless transmitters, the AXT100 Axient Bodypack Transmitter from Shure combines precision performance with the most advanced features. It delivers ultra-linear RF performance for more channels on air and superb audio quality. Advanced power management provides extended, rechargeable battery life and highly accurate status metering. ShowLink® Remote Control enables comprehensive real-time remote control of all transmitter parameters, including real-time frequency adjustments.

For Bodypack Mute Switches refer to page 9.

AXT200

Handheld Frequency Diversity Transmitter

Rechargeable, remote controllable handheld transmitter with frequency diversity for seamless, uninterrupted audio in even the most crowded RF environments. In addition to Frequency Diversity, the AXT200 delivers ultra-linear RF performance for more channels on air and superb audio quality. Its advanced rechargeable power management supports extended battery life and highly accurate status metering. ShowLink® Remote Control enables comprehensive real-time remote control of all transmitter parameters, including real-time frequency adjustments.

AXT200/KSM8

AXT400

Dual Channel Receiver

Featuring the most advanced analog and digital audio technology, and up to 228 MHz of wideband tuning, the AXT400 Dual Channel Receiver delivers unrivaled RF and audio performance. Its suite of groundbreaking functionalities optimize setup efficiencies and live performance control and reliability.

AXT600

Spectrum Manager

Defining a new class of RF management tools, the AXT600 Axient Spectrum Manager delivers wide-band UHF spectrum scanning, analysis and compatible frequency coordination—all in a single rack unit. By scanning and displaying the RF environment, calculating compatible frequencies and deploying them to Axient receivers easily and efficiently, the Axient Spectrum Manager offers a sophisticated interface and precise information for allocating the best available frequencies to any number of wireless channels. For added flexibility in complex RF environments, the AXT600 also monitors and ranks a live list of backup frequencies—and can deploy them instantly and automatically when an Axient Receiver detects interference.

AXT610

Showlink® Access Point

Enables instantaneous remote adjustments to all transmitter settings. The AXT610 ShowLink Access Point establishes a wireless network connection between linked Axient transmitters and receivers, for comprehensive real-time networked control over a wide coverage area, equivalent to the range of Axient transmitters.

AXT620

Ethernet Switch

Specific lly tailored for Axient systems, the Shure AXT620 Ethernet Switch is a rugged, rack-mountable 9-port switch that simplifies the networking of Axient Wireless Systems and minimizes network configuration setup. Equipped with Power over Ethernet for enabled devices and a DHCP server to automatically assign IP addresses to components.

AXT630

Antenna Distribution System

Delivers ultra-linear amplification and precision filtering for optimal performance in even the most difficult RF environments. The AXT630 Axient Antenna Distribution Amplifier features selectable 60 MHz input fi ters that match the available frequency bands of Axient transmitters, providing extra protection from strong out-of-band signals and a lower overall RF noise floor.

AXT900

Rackmount Charging Station

Provides a touring-ready battery charging and storage solution with networked visibility of all battery status parameters. Confi urable for up to 8 bodypack or handheld batteries, the AXT900 Rackmount Charging Station delivers detailed status reports for each battery, including remaining battery power, time to full charge, capacity and battery health. Status reports are displayed on the front panel, or in WWB6 for enhanced visibility.

Made for anywhere:

UHF-R® WIRELESS SYSTEMS

On set, in the field, or behind the scenes, Shure UHF-R® Wireless Systems deliver the control needed to master the intense pressure and extreme conditions of any broadcast environment. Built to withstand the most rugged conditions, they feature fast-synching automatic frequency selection for unparalleled reliability. And they're equipped with patented Audio Reference Companding technology that delivers crystal-clear, wired-quality sound on up to 40 simultaneously compatible systems per band, without audio interference or degradation. After all, complete flexibility should be a cornerstone of any system—not an extra.

UR1/UR1H

Bodypack Transmitter

A compact bodypack, constructed of lightweight metal making it exceptionally unobtrusive and abuse-resistant for use by actors, performers, musicians and public speakers.

- Switchable RF power (10/50mW–UR1), (250mW-UR1H) regionally dependent
- Frequency and power lockout
- 2 AA batteries provide up to 8 hours continuous use

UR1M

Micro-Bodypack Transmitter

At approximately half the size of most standard bodypacks, the UR1M is designed to be easily concealed and worn comfortably by actors and performers in theatre and television productions.

- Switchable RF power (10/50mW) regionally dependent
- 60-75 MHz RF tuning range (regionally dependent), tunable in 25 kHz steps
- Weighs only 2.2 oz (62 g) without batteries
- 2 AAA batteries provide up to 9 hours continuous use

UR2

Handheld Transmitter

Boasts rugged, lightweight construction and an antenna design that advances RF transmission reliability.

- Switchable RF power (10/50mW) regionally dependent
- 2 AA batteries provide up to 8 hours continuous use

UR2/BETA 58A

UR3

Plug-on Transmitter

Combines the best of Shure UHF-R® wireless features with the superior flexibility of XLR connectivity and comprehensive function control in a single premium transmitter.

- Smart, ergonomic, industrial design for detailed control and comfortable grip
- Use with any wired XLR dynamic or condenser microphones, or select MIC / LINE input options
- Microphone preset lists customized settings for quick recall of gain, phantom power and other variables

UR5

Portable Wireless Receiver

Wide-band frequency tuning, hands-on navigation and a variety of power and mounting options make the UR5 Portable Wireless Receiver the premium choice for professional broadcast and media production applications.

- MTx (Multi-transmitter) mode for switching between up to 40 transmitters at the touch of a button
- Hands-on navigation control, headphone monitoring, tone generator, MIC & AUX-level balanced outputs with backlit LCD screen
- Flexible power options, including Shure SB900 custom lithium ion rechargeable battery (8 + hours), 2 AA batteries (4+ hours) or 12 V DC power insert

UR4S+ & UR4D+

Wireless Receivers

Single and dual-channel options for premium wireless, both with Networked Automatic Frequency Selection and Automatic Transmitter Setup for advanced control and robust flexibility across a wide range of professional uses.

- 2400 selectable frequencies across 60 MHz bandwidth
- Track tuning filtering technology
- Up to 60 preset compatible systems/band (140 w/multiple bands, region dependent)

WA661 and WA662 Bodypack Mute Switches

The WA661 and WA662 provide an easily accessible switch for muting lavalier and headset microphones that connect to wireless body pack transmitter(s). Ideal for sports referee applications.

WA661

WA662

KEY: | **Polar Pattern** ⌾ Cardioid ⌾ SuperCardioid ⬭ OmniDirectional ⤫ BiDirectional ⏧ Lobar | **Frequency Response** ⊪ Tailored ⊪ Adjustable

Generations ahead:

ULX-D® DIGITAL WIRELESS SYSTEMS

With ULX-D, Shure has created a breakthrough digital wireless system that incorporates a collection of technological innovations into one easy-to-use professional wireless system. Offering an unparalleled mix of audio quality, RF spectrum efficienc , scalable hardware solutions, networked audio, and rechargeable battery technology, ULX-D define the next generation of digital wireless excellence.

ULXD1

Bodypack Transmitter

With a rugged yet lightweight aluminum body, the ULXD1 bodypack delivers transparent audio quality and rock-solid RF transmission in a compact, easy-to-conceal design.

- Bodypack frequency diversity mode enhances "double-packing" by automatically selecting the pack with the cleanest frequency
- Detachable 1/4 wave antenna
- Connectors: 4-pin TQG or LEMO3
- Powered by 2 AA batteries or Shure SB900 rechargeable battery

ULXD2

Handheld Transmitter

Offers rugged aluminum construction with integrated antenna, AES 256-bit encryption for secure transmission, and advanced rechargeability options.

- Interchangeable Shure microphone cartridges, including the new KSM8
- Transmitter mute mode enables audio muting while preserving RF channel presence
- Powered by 2 AA batteries or Shure SB900 rechargeable battery

ULXD2/SM58

ULXD4 | ULXD4D | ULXD4Q

Wireless Receivers

Available in single channel, or dual and quad channel configurations with networked audio and control options.

- 24-bit/48 kHz digital audio
- 20 Hz – 20 kHz frequency range with flat response
- Greater than 120 dB dynamic range
- 60 dB of adjustable system gain per channel
- Digital predictive switching diversity
- Up to 64 MHz overall tuning range (region dependent)
- Up to 17 active transmitters in one 6 MHz TV channel
- High Density mode enables up to 47 active transmitters in one 6 MHz TV channel

- Available in 900 MHz and VHF frequency bands
- AES 256-bit encryption equipped for secure wireless transmission
- Dante™ digital networked audio over Ethernet for easy digital connectivity to Dante-enabled mixers (ULXD4D and ULXD4Q receivers only)
- Ethernet networking for streamlined setup across multiple receivers
- Wireless Workbench® 6 Software for advanced coordination and control
- ShurePlus™ Channels mobile app compatible
- AMX® / Crestron® control
- Rugged metal housing

An elevated standard:

QLX-D® DIGITAL WIRELESS SYSTEMS

Shure QLX-D Digital Wireless is the clear choice for exceptionally detailed wireless audio in widely diverse and demanding environments. A highly flexibl system featuring streamlined setup and operation, QLX-D boasts impressive RF efficienc to get more channels on air using less spectrum, while the rugged all-metal construction withstands the rigors of constant use. From corporate seminars to music clubs, classroom lectures to houses of worship, Shure QLX-D Digital Wireless has it covered — delivering confiden performance, no matter what the venue.

QLXD1

Bodypack Transmitter

A compact bodypack, constructed of lightweight metal making it exceptionally unobtrusive and abuse-resistant for use by actors, performers, musicians and public speakers.

- Rugged metal construction
- Backlit LCD with easy to navigate menu and controls
- 2 x AA batteries provide up to 9 hours of runtime
- Optional Shure SB900 lithium-ion rechargeable battery provides up to 10 hours of runtime
- 4-pin TQG connector

QLXD2

Handheld Transmitter

Boasts rugged, lightweight construction and an antenna design that advances RF transmission reliability.

- Rugged metal construction
- Backlit LCD with easy to navigate menu and controls
- 2 x AA batteries provide up to 9 hours of runtime
- Optional Shure SB900 lithium-ion rechargeable battery provides up to 10 hours of runtime
- Multiple microphone cartridges available, including the legendary SM58®

QLXD2/BETA87A

QLXD4

Wireless Receiver

Ideal for presentation spaces, music venues, and houses of worship, the QLXD4 combines professional features with simple, streamlined setup and operation.

- Transparent, 24-bit digital audio
- 20 Hz – 20 kHz frequency range
- Over 120 dB dynamic range
- AES 256-bit encryption
- Available in 900 MHz and VHF frequency bands

- Ethernet networking
- Network Scan fi ds clean frequencies for networked receivers
- ShurePlus™ Channels mobile app compatible
- Wireless Workbench® control software compatible

Rechargeability Options

SB900 Rechargeable Battery

Smart, rechargeable lithium-ion battery that provides up to 10 hours of continuous use, with precision metering of battery life health tracking.

Rechargeable Features

- Advanced, intelligent Lithium-Ion chemistry
- Transmitters and receivers display remaining battery life in hours and minutes accurate to within 15 minutes
- Full charge within three hours and 50% charge in one hour – charge status LEDs for each battery
- Compatible with QLX-D and ULX-D transmitters, PSM®900 and PSM®1000 bodypack receivers, and the UHF-R® UR5 portable receiver

SB900
Shure Rechargeable Battery

SBC200
Dual Docking Charging Station

Scan. Plan. Command.

WIRELESS WORKBENCH® 6

Shure Wireless Workbench® 6 software offers comprehensive control for networked Shure wireless systems. It provides a rich interface to manage every facet of a performance over the network, from pre-show planning to live performance monitoring.

WWB⁶

Inventory Management

· Automatic discovery of networked Shure devices

· Profi es for select third-party wireless

· devices included

· Label, organize, and configure device parameters

· Configure multiple wireless devices at once with batch edits

· Connect to remote networked Shure devices in different networks across subnets

· Apply pre-configured parameter changes to devices with Presets

Frequency Coordination

· Continuously scan from networked Shure scanning hardware

· Frequency plot provides detailed visibility of usable spectrum

· Use Coordination Workspace to analyze, calculate and deploy frequencies to inventory based on scan data

· Prioritize and allocate spectrum for channels with Inclusion Groups

· Assign compatible frequencies to networked Shure wireless devices

· Leverage advanced coordination utilities to create frequency solutions for any environment

Live Monitoring

· Real-time audio, RF, and battery metering per channel

· Channel strip designer allows for customization of viewable settings

· Configure and store multiple channel strip arrangements

· Confi urable interference and hardware alerts

· Record and plot a history of RF, Audio, Interference, and other channel status information
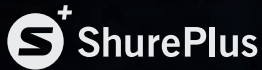
Supported on:

Windows: 7, 8, 10
Mac: 10.8 Mountain Lion, 10.9 Mavericks, 10.10 Yosemite, 10.11 El Capitan

Compatible with these Shure Wireless Systems:

· Axient® Wireless Management Network

· UHF-R® Wireless System

· ULX-D® Digital Wireless System

· QLX-D® Digital Wireless System

· PSM®1000 Personal Monitoring System

Mobile control:

SHUREPLUS™ CHANNELS

Untether from the wireless rack and roam the performance space while monitoring key Shure wireless system parameters in real time from any iOS device.

ShurePlus

Easy Setup

ShurePlus Channels automatically discovers and easily connects over Wi-Fi to networked, compatible Shure hardware and relays critical channel information including RF signal strength, audio levels, and remaining battery life. Quickly switch between any of your wireless channels using the sortable channels list.

Control Critical Parameters, Conveniently

Mobile control of wireless channel settings can be added via in-app purchase. Unlocking this feature allows remote adjustment of frequency assignments, audio gain, muting, and more. When combined with ShowLink® Remote Control for Axient® systems, transmitter and receiver settings can both be adjusted simultaneously – a powerful addition to Axient's industry-leading feature set.

Features

Automatic discovery and easy connection to networked Shure systems from an iOS mobile device over Wi-Fi.

Real-time, precision monitoring of critical device parameters, including:

- RF level metering
- Audio level metering
- Transmitter battery level
- Frequency Assignments with band, group and channel info
- RF interference indicator
- Encryption status (QLX-D®, ULX-D®)
- Frequency diversity status (ULX-D and Axient®)
- ShowLink signal strength (Axient)

Available on the App Store

Supported on:

Apple devices running iOS8 and later.

Compatible with these Shure Wireless Systems:

- Axient® Wireless Management Network
- UHF-R® Wireless Management Network
- ULX-D® Digital Wireless System
- QLX-D® Digital Wireless System
- PSM®1000 Personal Monitoring System

Clearly portable solutions:
FP WIRELESS SYSTEMS

Capturing audio in the most demanding environments has never been easier. Shure FP Wireless Systems offer a full selection of affordable, lightweight portable wireless components that feature 24 MHz bandwidth, automatic frequency selection and automatic transmitter setup. All powered by two AA batteries and compatible with up to 20 systems simultaneously.

FP1

Bodypack Transmitter

Lightweight and durable design for easy use with a variety of TA4F-connection microphones.

- LED indicator for control lockout, IR/RF sync, low battery indicator
- Audio Input Gain for adjustment of audio level
- 4-Pin Microphone Input Jack for use with lavalier or headset microphones equipped with TA4F connectors

FP2/SM58

Handheld Transmitter with SM58® Cardioid Microphone Capsule

The legendary audio of the Shure SM58® microphone capsule mounted to a rugged, lightweight wireless transmitter.

- LED indicator for control lockout, IR/RF sync, low battery indicator
- Lightweight, durable housing
- Additional microphone capsules available as accessories: **Beta® 87A, Beta® 87C, Beta® 58A, SM86**

FP2/VP68

Handheld Transmitter with VP68 Omnidirectional Microphone Capsule

Ideal for one-on-one interviews, delivers superior audio on- and off-axis, while requiring minimal positioning relative to the sound source.

- LED indicator for control lockout, IR/RF sync, low battery indicator
- Lightweight, durable housing
- Additional microphone capsules available as accessories: **Beta® 87A, Beta® 87C, Beta® 58A, SM86®**

FP3

Plug-on Transmitter with XLR connection

A simple extension ergonomically designed to fi comfortably in hand, and engineered to work with virtually any XLR dynamic microphone or battery-powered condenser microphone.

- Use with any wired dynamic XLR microphone
- LED indicator for control lockout, IR/RF sync, low battery indicator
- Three-stage audio indicator and input gain control
- Rugged construction and durable metal housing
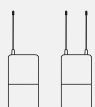
FP5

Portable Wireless Receiver

Designed for on-camera mounting and featuring Automatic Frequency Selection, Automatic Transmitter Setup and Shure-patented Audio Reference Companding for crystal-clear audio.

- Diversity antennas for consistent reception of signal transmission
- Power and RF-sync LED indicators with output level control
- Camera shoe mount and XLR or 1/8" connector cables included
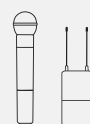- Rugged and lightweight construction
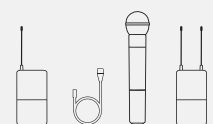
System Configuration

Bodypack System	Bodypack System	Handheld System	Combo System
FP15	FP15/83	FP25/SM58	FP125/83SM58

Compact and rugged:
CAMERA-MOUNT MICROPHONES

The perfect blend of form and function. Featuring rugged, metal build and intuitive design, the LensHopper™ Camera-Mount Shotgun microphones provide high-definition audio for DSLR and HD camcorder recording.

VP**83** LensHopper™

Camera-Mount Shotgun Microphone

Ultra-compact condenser shotgun microphone for use with DSLR cameras with video function, camcorders and portable audio recorders.

50Hz–20kHz

- Detailed, high-definition audio with full low-end response
- Easily accessible controls at the back of the microphone
- Integrated Rycote® Lyre® shock mounting system
- Ultra-lightweight yet durable, all-metal construction with superior RF immunity
- 130 hours of battery life from 1 AA alkaline battery *(included)*
- Integrated 3.5 mm audio connector
- Standard size shoe mount with a 1/4" threaded base
- Includes foam windscreen

VP83 Controls

VP83F LCD Screen and Controls

VP**83F** LensHopper™

Camera-Mount Shotgun Microphone with Integrated Flash Recording

Compact, condenser shotgun microphone with integrated digital flash recording for use with DSLR cameras with video function, camcorders and portable audio recorders.

50Hz–20kHz

- Detailed, high-definition audio with full low-end response
- Integrated digital flash recording / playback (MicroSDHC, up to 32 GB)
- Uncompressed WAV fi e capture at 24-bit/48 kHz sampling rate
- Dedicated headphone audio output for real-time headphone monitoring
- High sensitivity and low self-noise with wide frequency range
- Easily accessible Micro SD card slot allows quick "pop-out" card access
- Intuitive menu and controls
- Fully-adjustable user gain (up to 60 dB in 1 dB increments)
- Integrated Rycote® Lyre® shock mounting system
- Durable, all-metal construction with superior RF immunity
- 10 hours of battery life (while in record mode) from 2 AA alkaline batteries *(included)*
- Standard size shoe mount with a 1/4" threaded base
- Includes detachable 3.5 mm audio connector and foam windscreen

KEY: | **Polar Pattern** ◌ Cardioid ◌ SuperCardioid ◌ OmniDirectional ◌ BiDirectional ◌ Lobar | **Frequency Response** ⦚ Tailored ⦚ Adjustable

In the field:
SHOTGUN MICROPHONES

Capture sounds near and far. Shure shotgun microphones feature state-of-the-art preamplifiers and outstanding off-axis rejection to bring out all the environmental details.

VP89S/M/L

End-Address Shotgun Condenser Microphones

Professional shotgun condenser microphones for use in critical broadcast and media production applications.

100Hz–20kHz

- Scalable, superior off-axis rejection for focus and flexibility in a wide variety of on-site locations

- State-of-the-art preamplifier design, with superior RF immunity, internal low-frequency roll-off and recessed low-cut fi ter switch for additional control

- Interchangeable long, medium, and short barrel options for premium performance in environments ranging from long distance to near-field applications

- Full range of complementary accessories *(see sidebar)*

VP82

End-Address Shotgun Condenser Microphone

Compact and lightweight shotgun with a wide aperture and excellent off-axis rejection for camera-mounted broadcast and media production.

150Hz–20kHz

- Best-in-class audio performance
- Integrated preamplifier design
- Economical choice with small footprint; compact and lightweight
- Superior Shure design and rugged, roadworthy construction

Accessories

Suspension Windshield Kit for VP89 series
A89SW-KIT / A89MW-KIT / A89LW-KIT

Softie Windshield for VP89 series
A89SW-SFT / A89MW-SFT / A89LW-SFT

Foam Windscreen for VP89 series
A89SW / A89MW / A89LW

Boom Pole Mount
(VP89L only)
A89LM-BA

Shoe Mount
A89M-SH

Pistol Grip Mount
AP89M-PG

Camera Mount
A89M-CC

Adapter for Modular Shotguns for VP89 Series
A89U

KEY: | **Polar Pattern** ⬡ Cardioid ⬡ SuperCardioid ⬡ OmniDirectional ⬡ BiDirectional ⬡ Lobar | **Frequency Response** ▦ Tailored ▦ Adjustable

Made for anywhere:
BROADCAST MICROPHONES

Telling the total story. It's the foundation of high-quality media production, and the right mics make all the difference. Shure broadcast microphones deliver superior voice reproduction for any production setting, from field production and electronic newsgathering (ENG) to professional broadcast studio applications.

SM63

OMNIDIRECTIONAL | DYNAMIC

Handheld Microphone

Elegant yet rugged, the high-output SM63 series of dynamic omnidirectional microphones are designed for professional applications where performance and appearance are critical.

80Hz–20kHz

- Frequency response tailored for optimum speech intelligibility
- Low-frequency roll off and built-in shock mount for reduced pickup of handling noise and stand vibration
- Humbucking coil for virtual immunity to strong electromagnetic hum fields
- Exceptionally rugged VERAFLEX grille that resists damage from drops up to 2 m

VP64A

OMNIDIRECTIONAL | DYNAMIC

Handheld Microphone

High-output omnidirectional handheld dynamic microphone that combines exceptional performance and comfortable feel with a handsome on-camera appearance.
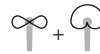
50Hz–12kHz

- Tailored frequency response with mid-range presence rise for optimum speech clarity
- Neodymium magnet for increased output and maximized signal-to-noise ratio
- Omnidirectional polar pattern eliminates need for critical microphone positioning
- Internal isolation mount for low handling noise

VP88

BI-DIRECTIONAL CARDIOID | CONDENSER

Stereo Condenser Microphone

Single-point stereo condenser microphone designed to capture the realism of a live event and withstand the most rigorous environments.

40Hz–20kHz

- Time-coherent, Mid-Side (M-S) design for optimal stereo imaging
- Built-in stereo matrix for direct control of the stereo spread; direct M-S outputs available
- Mono compatibility ideal for broadcast applications
- Operates on phantom power or a 6V camera battery

KEY: | Polar Pattern Cardioid SuperCardioid OmniDirectional BiDirectional Lobar | Frequency Response Tailored Adjustable

Out of sight:
LAVALIER + HEADWORN MICROPHONES

Be heard, not seen. That's the main requirement of audio in many productions today. Ultra-lightweight Shure lavalier microphones offer a high-performance, discreet option engineered for maximum flexibility.

MX150

Microfle ® Subminiature Lavalier Microphone

Professional electret condenser microphone ideal for applications requiring low-profile placement, uncompromising sound quality and high reliability.

- Available in cardioid or omnidirectional polar patterns and TQG (for use in Shure bodypacks) or wired XLR variations
- CommShield® Technology guards against interference from cellular RF devices and digital bodypack transmitters
- Multi-position tie clip and integrated cable management system for flexible placement and convenient cable dress with minimal handling noise
- User-changeable equalization caps for response shaping (omnidirectional only)
- Snap-fit, concise windscreen protects against plosives and wind noise with minimal visibility

20Hz–20kHz

MX153

MX153 Microfle ® Earset Headworn Microphone

Professional subminiature omnidirectional microphone ideal for applications in which improved gain before feedback over lavalier microphones is desired. Delivering exceptional speech clarity, the discreet, low-profile MX153 is ideal for corporate presentations, broadcast, A / V conferencing, and live sound reinforcement.

- Superior clarity and enhanced plosive protection with no proximity effect
- Ultra-lightweight, comfortable, flexible design is stable and easy to place over either ear
- CommShield® Technology guards against interference from cellular RF devices and digital bodypack transmitters
- Matte black, tan, and cocoa color options available
- Includes protective storage pouch, 3 windscreens, and collar clip

20Hz–20kHz

SM93

Lavalier Microphone

Economical omnidirectional, subminiature, lavalier condenser microphone designed for general speech applications that require low-profile placement.

- Subminiature lavalier design ideal for theater, television, broadcasting, video, film, and sound reinforcement
- Small, inconspicuous mounting hardware
- Full, clear sound comparable to larger microphones

20Hz–20kHz

WL183/184/185

Microfle ® Subminiature Lavalier Microphones

Microflex® Lavalier microphones bring a new level of sophistication to voice reproduction and feature interchangeable condenser cartridges, available in cardioid, supercardioid or omnidirectional polar patterns.

- WL183 Omnidirectional (shown) WL184 Supercardioid / WL185 Cardioid
- Wide dynamic range and frequency response for accurate sound reproduction
- Rotatable tie-clip that pivots in 90 degree increments for placement flexibility
- Snap-fit foam windscreen to control breath noise
- Balanced, transformer-less output for increased immunity to noise over long cable runs

50Hz–17kHz

KEY: | **Polar Pattern** ⬢ Cardioid ⬡ SuperCardioid ◯ OmniDirectional ∞ BiDirectional ⬙ Lobar | **Frequency Response** ⦙⦙⦙ Tailored ⦙⦙⦙ Adjustable

In the booth:
STUDIO VOICEOVER MICROPHONES

Great speeches. Dramatic narration. Radio's most memorable moments. Shure studio microphones have captured some of the world's classic vocal and speech performances—and continue to be a mainstay in production booths worldwide.

SM7B

CARDIOID | DYNAMIC

Vocal Microphone

Smooth, flat, wide-range frequency response appropriate for music and speech in all professional audio and close-talk applications, with excellent internal shielding against electromagnetic hum.

50Hz–20kHz

- Bass roll-off and mid-range emphasis (presence boost) controls with graphic display

- Internal "air suspension" shock isolation virtually eliminates mechanical noise transmission

- Highly effective pop fi ter eliminates need for any add-on protection against plosives, even for close-up vocals or narration

KSM42

CARDIOID | CONDENSER

Large Dual-Diaphragm Side-Address Condenser Vocal Microphone

The premier choice for capturing sophisticated, powerful and intimate vocal performance, featuring Prethos® Advanced Preamplifier Technology.

60Hz–20kHz

- Highly consistent cardioid polar pattern creates a broad "sweet spot" and natural off-axis response

- Dual-diaphragm design with an active front, ultra-thin (2.5 micron) 24-karat gold, low mass, 1-inch Mylar® diaphragms

- Integrated three-stage mesh grille guards against wind and breath noise

- Extremely low self-noise for critical studio vocal recording

KSM44A

CARDIOID / OMNI / BIDIRECTIONAL | CONDENSER

Multi-Pattern Dual-Diaphragm Microphone

Designed for the highest level of studio and stage performance, featuring Prethos® Advanced Preamplifier Technology.

20Hz–20kHz

- Groundbreaking specifications: 4dB of self-noise and max SPL of 131 dB for a total dynamic range of 127 dB–an increase of 7 dB that defi es the new standard for cleanly nuanced audio capture

- Multiple polar patterns–cardioid, omnidirectional and bidirectional–for maximum flexibility in a wide variety of recording applications

- Dual 1-inch, externally biased, ultra-thin (2.5 micron) 24-karat gold, low mass diaphragms provide superior frequency response

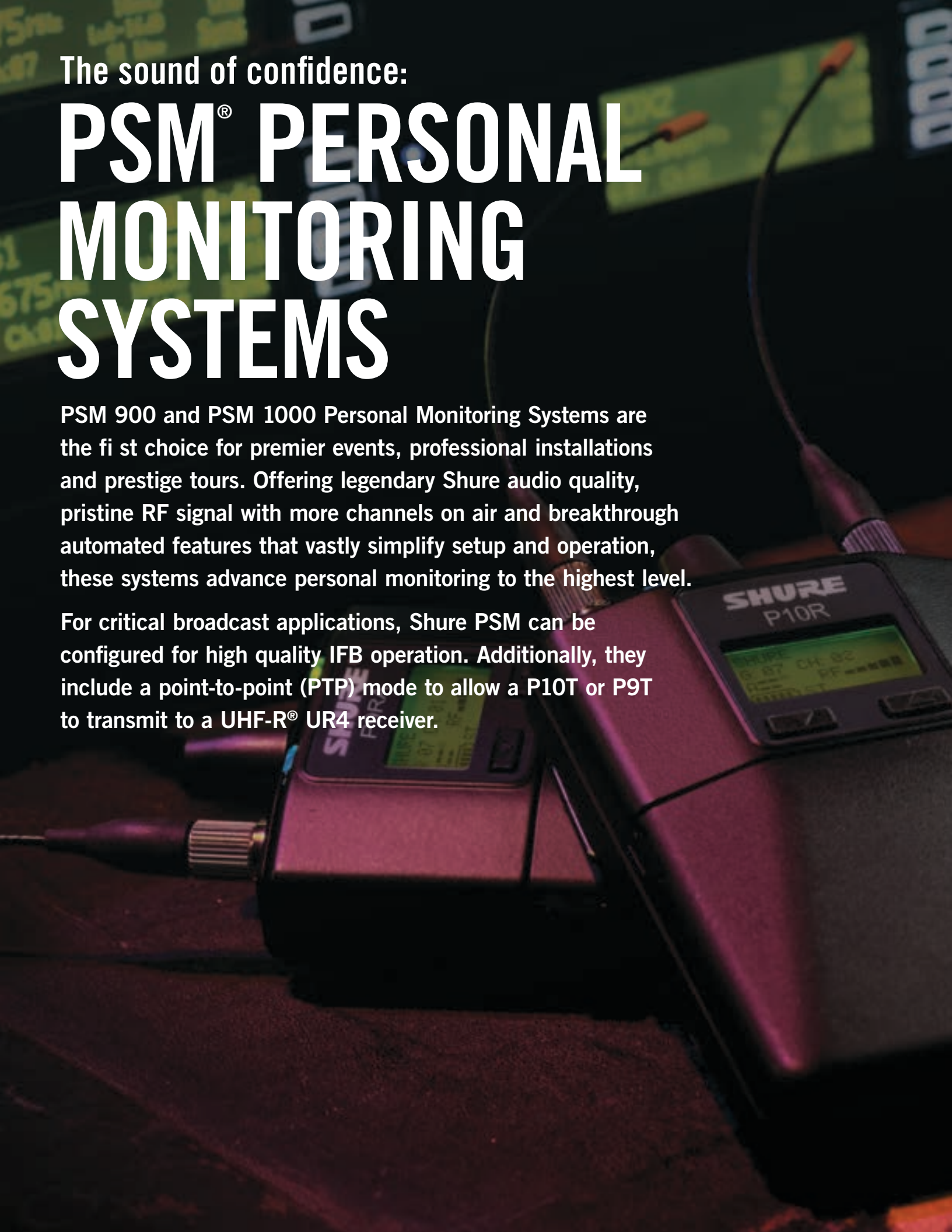**Prethos® Advanced Preamplifier Technology:**
A milestone achievement in sound reinforcement, Prethos® employs transparent internal circuitry architectures that enable unprecedented audio quality and performance. Class A, discrete, transformer-less preamplifier provides transparency, extremely fast transient response, and no crossover distortion for minimization of harmonic and intermodulation distortions.

KEY: | Polar Pattern | Cardioid | SuperCardioid | OmniDirectional | BiDirectional | Lobar | Frequency Response | Tailored | Adjustable

The sound of confidence:

PSM® PERSONAL MONITORING SYSTEMS

PSM 900 and PSM 1000 Personal Monitoring Systems are the fi st choice for premier events, professional installations and prestige tours. Offering legendary Shure audio quality, pristine RF signal with more channels on air and breakthrough automated features that vastly simplify setup and operation, these systems advance personal monitoring to the highest level.

For critical broadcast applications, Shure PSM can be configured for high quality IFB operation. Additionally, they include a point-to-point (PTP) mode to allow a P10T or P9T to transmit to a UHF-R® UR4 receiver.

P9T

Wireless Transmitter

Half-rack single channel stereo wireless transmitter offers state-of-art technology including CueMode (patent pending), Scan and Sync, and RF mute switch for easy setup and operation.

P10T

Wireless Transmitter

Networkable, full-rack, dual channel wireless transmitter. Featuring 72 MHz wide tuning bandwidth, spectrum display with frequency plot, networked remote control via Wireless Workbench® software, and PSM®900 backwards compatibility, housed within a rugged all metal chassis.

P9RA

Wireless Bodypack Receiver

The low-profile, metal P9RA bodypack features RF Scan and precision RF filtering for unparalleled RF stability and channel availability, plus an advanced rechargeability option for extended usage times. Patent-pending CueMode allows monitoring of different stage mixes and storing of up to 20 separate channels from one bodypack for quick and easy reference.

P10R

Wireless Bodypack Receiver

Low-profile, diversity bodypack receiver with premium features including full bandwidth RF scan and precision RF filtering for unparalleled signal stability and channel availability, all packed in the slimmest form factor available. Patent-pending CueMode allows monitoring of different stage mixes and storing of up to 20 separate channels from one bodypack for quick and easy reference.

SE425

Sound Isolating™ Earphones

Featuring Dual High-Definition MicroDrivers, the SE425 uses a dedicated tweeter and woofer for an accurate and balanced sound. Detachable cable with formable wire enables easy replacement and secure, comfortable fit.

Rechargeability | Advanced power management.

Both PSM 900 and PSM 1000 offer an advanced and efficient rechargeability option that provides extended usage times and eliminates the need to constantly replace disposable batteries.

SB900 Rechargeable Battery

Smart, rechargeable lithium-ion battery that provides up to 10 hours of continuous use, with precision metering of battery life health tracking.
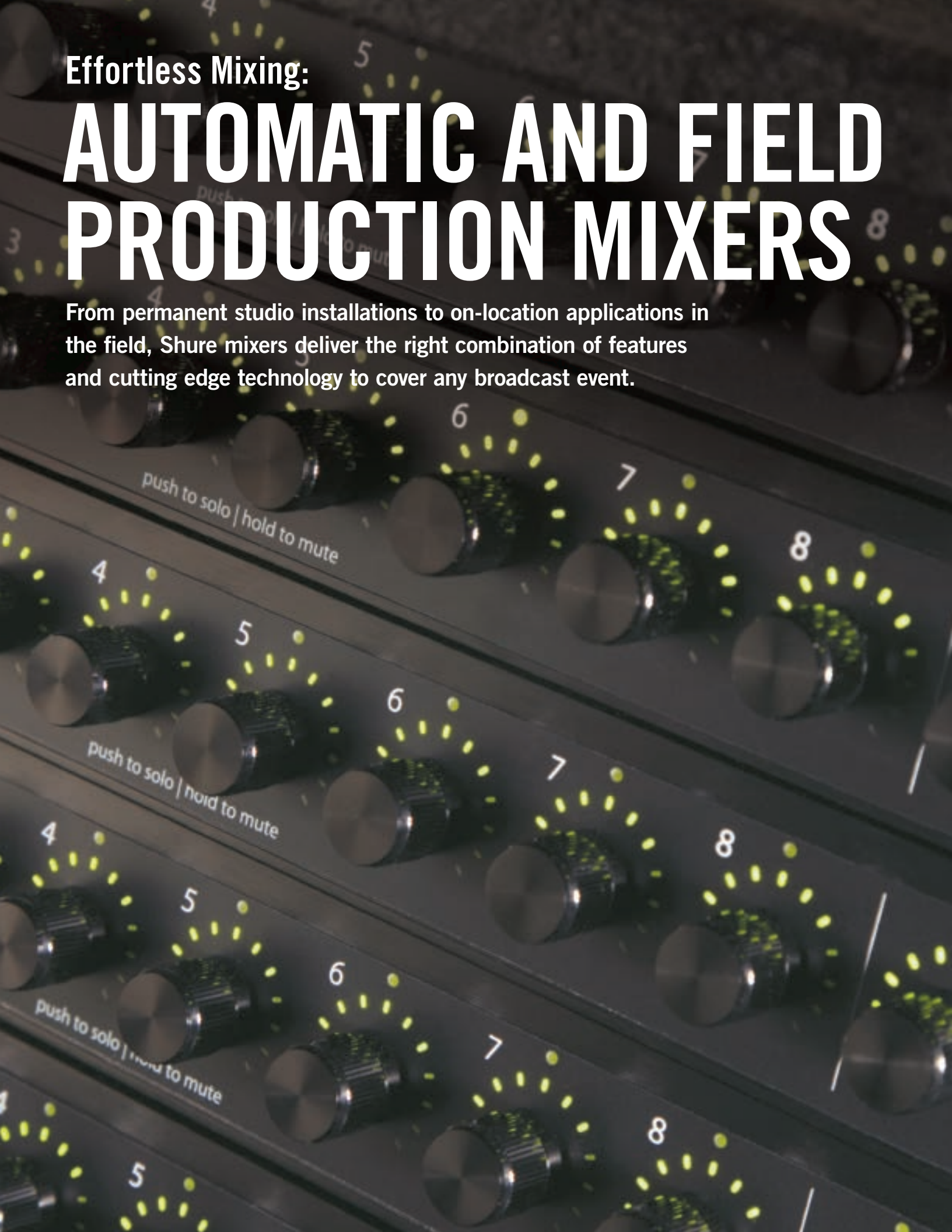
SBC800 Recharging Station

This compact and portable unit charges 8 SB900 batteries to full capacity within 3 hours, with status LEDs to indicate power levels. SB900 batteries fi securely and can be stored in the charger for easy, efficient transport.

Effortless Mixing:
AUTOMATIC AND FIELD PRODUCTION MIXERS

From permanent studio installations to on-location applications in the field, Shure mixers deliver the right combination of features and cutting edge technology to cover any broadcast event.

SCM**820**

Digital IntelliMix® Automatic Mixer

The Shure SCM820 uses Intellimix® technology to dramatically improve audio quality in any application where multiple microphones are required. This 8-channel digital automatic mixer is designed for use in speech applications, including sound reinforcement, broadcasting and audio recording.

IntelliMix Technology

- Seamless automatic mixing and reduced background noise through dynamic channel gating and attenuation
- IntelliMix modes offer five different mixer mode presets of reliable automixing styles (Classic, Smooth, Extreme, Custom or Manual) to quickly tailor the mix for a particular application

Enhanced I/O Connectivity

- Mix A and B outputs with selectable mic or line level to connect to a broadcast feed, sound reinforcement system, or recording device
- Per-channel direct outputs allow the SCM820 to be used as an insert processor

Flexible Control

- Individual channel control for quick adjustment of gain, limiter, EQ, and solo/mute
- LED meter rings vibrantly display real-time settings and output levels
- Convenient management, montoring and configuration support for all key system settings

Networking

- Models available with Dante™ digital networked audio for multi-channel audio networking over Ethernet

Patented Shure DFR (Digital Feedback Reduction)

- Two channels of adaptive EQ filtering to fi d and attenuate feedback frequencies, noticeably improving gain before feedback in live sound reinforcement systems.
- Assignable to input channels and mix outputs

FP**33**

FP33 3-Channel Mixer

Portable 3-input, 2-output, stereo mixer specific lly designed for remote audio recording, electronic field production, electronic newsgathering (ENG), and location film production.

- Extended frequency response of 20 Hz–20 kHz
- Dynamic range greater than 100 dB
- Transformer-balanced inputs and outputs for superior rejection of RFI and electromagnetic hum
- 48 V phantom, 12 V phantom, and 12 V T (A-B) microphone power
- Three selectable mic/line inputs and two selectable mic/line outputs

BROADCAST HEADSETS

Clear sound, even in the loudest environments. Shure Broadcast Headsets combine the pristine audio reproduction of our critical-listening and monitoring headphones with dynamic microphones developed especially for broadcast and media production.

BRH50M

Premium Dual-Sided Broadcast Headset

Supra-aural on-camera headset with high performance dynamic microphone.

- High performance dynamic microphone features a cardioid polar pattern and frequency response optimized for natural, intelligible vocal reproduction.
- Fully adjustable headband for comfortable, ergonomic fit.
- Boom microphone pivots 270 degrees for left or right wear.
- Single side, detachable cable included with 3-pin XLR / 1/4" connectors. See table below for additional cable options. Windscreen included.

BRH441M

Single-Sided Broadcast Headset

Circumaural headset with dynamic microphone.

- Microphone delivers natural, highly intelligible vocal reproduction with cardioid polar pattern and frequency response optimized for loud environments
- Flexible boom microphone pivots 270 degrees for left or right side wear and precise positioning
- Flip-up mute function deactivates the boom microphone when raised vertically away from the mouth
- Single-side, detachable cable with unterminated ends. See table below for additional cable options. Windscreen included.

BRH440M

Dual-Sided Broadcast Headset

Circumaural headset with dynamic microphone.

- Microphone delivers natural, highly intelligible vocal reproduction with cardioid polar pattern and frequency response optimized for loud environments
- Flexible boom microphone pivots 270 degrees for left or right side wear and precise positioning
- Flip-up mute function deactivates the boom microphone when raised vertically away from the mouth
- Single-side, detachable cable with unterminated ends. Also available with no cable (BRH440M-LC). See table below for additional cable options. Windscreen included.

BRH31M

Single-Sided Lightweight Broadcast Headset

Supra-aural headset with dynamic microphone and ultra-lightweight design.

- Microphone delivers natural, highly intelligible vocal reproduction with cardioid polar pattern and frequency response optimized for loud environments
- Adjustable headband with cushioned temple pad for comfortable, ergonomic fit
- Flexible boom microphone pivots 270 degrees for left or right side wear and precise positioning
- Single-side, fixed cable with unterminated ends enables connection to a variety of devices. Windscreen included.

CABLE MODEL	CABLE CONNECTOR	HEADSET MODELS		
		BRH50M	BRH441M	BRH440M
BCASCA1	Unterminated connector (Straight, 6.5 feet / 1.98 meters)	AVAILABLE	INCLUDED	INCLUDED
BCASCA-NXLR3QI	3-pin XLR and 1/4" male connector (Straight, 7.5 feet / 2.13 meters)	INCLUDED	AVAILABLE	AVAILABLE
BCASCA-NXLR4	4-pin XLR male connector (Straight, 7.5 feet / 2.13 meters)	AVAILABLE	AVAILABLE	AVAILABLE
BCASCA-NXLR5	5-pin XLR male connector (Straight, 7.5 feet / 2.13 meters)	AVAILABLE	AVAILABLE	AVAILABLE
BCASCA-NXLR4-FEM	4-pin XLR female connector (Straight, 7.5 feet / 2.13 meters)	AVAILABLE	AVAILABLE	AVAILABLE
BCASCA-NXLR3QI-25	3-pin XLR and 1/4" male connector (Straight, 25 feet / 7.62 meters)	AVAILABLE	AVAILABLE	AVAILABLE

Perfect sound from ear to ear:
PROFESSIONAL HEADPHONES

Keep an ear on every detail. Shure professional studio headphones deliver sustained comfort and minimal background noise, making them ideal for any broadcast and media listening application, whether voiceover recording or audio/video monitoring and editing.

SRH440

Professional Studio Headphones

Developed for professional and home studios.

- Enhanced frequency response delivers accurate audio across an extended range
- Optimized impedance and power handling for performance with professional audio devices
- Adjustable headband and collapsible construction provide comfort and portability
- Bayonet clip securely locks detachable cable into ear cup
- Replaceable, detachable cable (10 ft) and earpads ensure long product life

SRH840

Professional Monitoring Headphones

Optimized for professional studio recording and critical listening.

- Tailored frequency response delivers rich bass, clear mid-range and extended highs
- Wide, padded headband provides ergonomic fi for superior comfort over extended periods
- Collapsible design for convenient portability
- Bayonet clip securely locks detachable cable into ear cup
- Replaceable, detachable cable (10 ft) and earpads ensure long product life

SRH940

Professional Reference Headphones

Designed for critical listening, monitoring and mastering.

- Accurate frequency response delivers smooth, high-end extension with tight bass, and superior transient response with minimal distortion
- Lightweight, ergonomic fi with premium padded headband for comfortable, extended wear
- Collapsible design with 90-degree swivel ear cups for easy storage and portability
- Two included detachable cables (straight & coiled) and replacement set of velour earpads ensure flexible wearing options and long product life

SRH1540

Premium Closed-Back Headphones

Designed for critical listening and monitoring.

- Superior acoustic performance for an expansive soundstage with clear, extended highs and warm bass
- Lightweight construction featuring aircraft-grade aluminum alloy yoke and carbon fi er cap for enhanced durability
- Ergonomic dual-frame, padded headband is lightweight and fully adjustable for hours of listening comfort
- Two included dual-exit, detachable cables and replacement set of Alcantara™ earpads ensure long product life