

UHF-R WIRELESS SYSTEMS

Premier wireless technology.



Shure UHF-R Wireless Microphone Systems master the high pressure and extreme conditions of any large-scale touring or installations environment while delivering uncompromising Shure sound. Rock-solid engineering, the latest technology, and unparalleled RF performance provide sound professionals with all the features and flexibility they need to tightly control up to 47 systems per band for the most elaborate productions.

Advanced setup, monitoring and control capability

- Automatic frequency selection
- Ethernet and USB compatibility
- Group scan and custom group creation
- Infrared transmitter synchronization
- Integrated network hardware and Shure Wireless Workbench management software (PC / Mac)
- AMX/Crestron compatibility

Unparalleled flexibility and reliability

- Up to 75 MHz bandwidth with 3,000 selectable frequencies
- Advanced Track Tuning Filtering technology shifts RF filter with frequency
- Switchable RF power on transmitters (not UR1H)
- Compact, lightweight, sweat resistant, magnesium bodypacks

Exceptional audio performance

- Audio Reference Comping – variable companding ratio responds to audio level
- Wide variety of legendary Shure microphones, including the KSM9 condenser microphone featuring dual-polar pattern design

APPLICATIONS

- Concert Halls
- Arenas
- Sport Events
- Theaters

PRODUCT HIGHLIGHTS

- Frequency Scan & Sync
- Audio Reference Comping
- Wide variety of legendary Shure microphone capsules
- Optional micro-bodypack
- Optional high-power bodypack
- Including Shure Wireless Workbench management software (PC / Mac)
- Cascadable antenna ports

System Specifications

All system and component specifications are subject to change.

RF carrier frequency range	470 – 952 MHz depending on region		
Operating range	150 m (500 ft.) under typical conditions, 500 m (1,600 ft.) line-of-sight, outdoors for a single system with UR1 and UR2 <i>Note: actual range depends on RF signal absorption, reflection and interference.</i>		
Audio frequency response (+1 dB, -3 dB)	40 Hz – 18 kHz <i>Note: overall system frequency response depends on the microphone.</i>		
Gain adjustment range	UR1	-20 to +35 dB	
	UR2	-10 to +20 dB	
Total harmonic distortion	< 0.3 %, typical (ref. ± 45 kHz deviation, 1 kHz tone)		
Dynamic range	> 102 dB or >110 dB (A-weighted, region dependent)		
Image rejection	> 110 dB, typical		
RF sensitivity	UR4S+	-110 dBm, typical; 12 dB SINAD	-105 dBm, typical; 30 dB SINAD
	UR4D+	-107 dBm, typical; 12 dB SINAD	-102 dBm, typical; 30 dB SINAD
Spurious rejection	> 90 dB, typical		
Ultimate quieting	> 105 dB(A)		
Operating temperature range	-18°C (0°F) to +57°C (+135°F). <i>Note: battery characteristics may limit this range.</i>		
Transmitter audio polarity	Positive pressure on microphone diaphragm (or positive voltage applied to tip of WA302 phone plug) produces positive voltage on pin 2 (with respect to pin 3 of low impedance output) and the tip of the high impedance ¼-inch output.		

Frequency Range and Transmitter Output

Band	Range	Transmitter Power		
		Handheld UR2	Bodypack UR1/UR1M	Bodypack UR1H
H4E H4	518 – 578 MHz	10 / 50 mW 10 / 50 mW	10 / 50 mW 10 / 100 mW	250 mW 250 mW
J5E J5	578 – 638 MHz (578 – 608 / 614 – 638)	10 / 50 mW 10 / 50 mW	10 / 50 mW 10 / 100 mW	250 mW 250 mW
L3E L3	638 – 698 MHz	10 / 50 mW 10 / 50 mW	10 / 50 mW 10 / 100 mW	250 mW 250 mW
Q5	740 – 814 MHz	10 / 50 mW	10 / 50 mW	250 mW
R9	790 – 865 MHz, (UR1H 790 – 862 MHz)	10 / 50 mW	10 / 50 mW	250 mW
Q6	740 – 752 MHz	10 mW	10 mW	
A24	779 – 788 / 797 – 806 MHz	10 mW	10 mW	
JBX	806 – 810 MHz	10 mW	10 mW	
Q10	740 – 798 MHz	10 / 50 mW	10 / 50 mW	
G1	470 – 530 MHz	10 / 50 mW	10 / 50 mW	
X1	944 – 952 MHz	10 / 50 mW	10 / 100 mW	

NOTE: This radio apparatus may be capable of operating on some frequencies not authorized in your region. Please contact your national authority to obtain information on authorized frequencies and output power levels for wireless microphone products in your region.

Optional Accessories

RPW112	Wireless SM58® (dynamic) cartridge, assembly and grille
RPW114	Wireless SM86 (condenser) cartridge, assembly and grille
RPW116	Wireless SM87A (condenser) cartridge, assembly and grille
RPW118	Wireless Beta 58A (dynamic) cartridge, assembly and grille
RPW120	Wireless Beta 87A (condenser) cartridge, assembly and grille
RPW122	Wireless Beta 87C (condenser) cartridge, assembly and grille
RPW180	Wireless KSM9 (champagne, condenser) cartridge, assembly and grille
RPW184	Wireless KSM9 (black, condenser) cartridge, assembly and grille
RK143G	Matte silver grille (SM58®)
RPM266	Matte silver grille (SM86)
RK265G	Matte silver grille (Beta 58A)
RK214G	Black grille (SM87A)
RK312	Matte silver grille (Beta 87A / Beta 87C)
RK323G	Black grille (Beta 58A)
RK324G	Black grille (Beta 87A / Beta 87C)
A85WS	Windscreen, foam for SM58®, SM86, SM87A, Beta 87A, Beta 87C
44A8031	Belt clip
WA580B	Bodypack pouch (black), UR1 and UR1H
WA580W	Bodypack pouch (white), UR1 and UR1H
WA581B	Bodypack pouch (black), UR1M
WA581W	Bodypack pouch (white), UR1M
WA335	3-Pin Lemo conversion kit
WA336	3-Pin Lemo plug
WA337	Assembly tool for WA336
PS22	AC to DC power supply (UR1H)

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System Architectural Specifications

The wireless system shall operate in the UHF band between 470 MHz and 952 MHz, with the specific range being dependent on the user's locale. The system shall include the option of changing the operating frequency in order to avoid RF interference, enabling up to 47 systems per band to operate simultaneously in the same location. Preconfigured group, channel and frequency setups shall be available to ensure that multiple systems in use do not interfere with one another.

All transmitters shall be powered by 2 AA batteries (2 AAA batteries for UR1M) and shall have a power on/off switch. The bodypack will have an LED indicating that power is on. Available transmitters shall include: a bodypack for use with electric guitars, basses, and other electric instruments, and a handheld microphone for vocals. The transmitters shall have a DC/DC converter to ensure consistent performance, even if battery voltages change.

The receiver shall have a user-programmable, menu-driven LCD showing group, channel, frequency, name, squelch level, and locked/unlocked status. The system shall use technology such as MARCAD signal combining circuitry to improve reception, minimize signal dropouts, and achieve the best possible signal-to-noise ratio. An equalizer, tone key squelch, and noise squelch circuitry shall be built into the system to provide optimal sound quality and minimize unwanted noise. The receiver shall include dual RF meters (one for each antenna), an audio level meter, and a networking interface connector for computer control and monitoring. The receiver shall have a volume control and an adjustable squelch control. The system shall be the Shure UHF-R Wireless.

Furnished Accessories

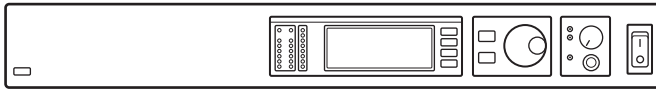
WA371	Microphone stand adapter (UR2)
26A13	Zipper bag (UR1 / UR1H)
26A14	Zipper bag (UR2)
95A9023	Antenna extension cables (2 pcs.)
WA340	Hardware kit, locking connector
UA700	Bodypack antenna, 470 – 530 MHz
UA710	Bodypack antenna, 518 – 578 MHz
UA720	Bodypack antenna, 578 – 698 MHz
UA730	Bodypack antenna, 740 – 869 MHz
UA740	Bodypack antenna, 944 – 952 MHz
UA820	2 antennas (UR4), band dependent (see table)
95A9053	Transmitter carrying case

Antenna Combiners and Accessories

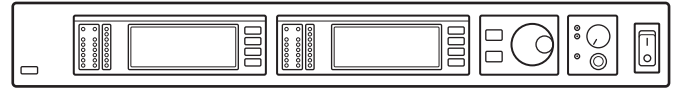
- Antennas and receivers must be from the same frequency band.
- The supplied ½ wave antennas can be remotely mounted or mounted directly to the UA845.
- Antennas and cables for use with the UA845 can also be used with stand-alone UHF-R receivers.

UA221	Passive antenna splitter / combiner kit (recommended for 2 receivers)
	Antenna power distribution amplifier (recommended for 3 or more receivers)
UA845E	Europe
UA845UK	UK
UA860SWB	½ wave omnidirectional super wideband antenna
UA870WB	Active directional wideband antenna
UA830WB	Wideband in-line RF amplifier
PA805SWB	Passive unidirectional super wideband antenna
	½ wave antenna
UA820H4	H4E, H4 bands
UA820J	J5E, J5 bands
UA820L3	L3E, L3 bands
UA820Q	Q5, Q6, Q10 bands
UA820A	R9, ABJ bands
UA825	25" antenna cable (RG8X/U)
UA850	50" antenna cable (RG8X/U)
UA8100	100" antenna cable (RG213/U)

UR4 Wireless Receiver



UR4S+
Single Channel Receiver Front



UR4D+
Dual Channel Receiver Front



UR4S+
Single Channel Receiver Rear



UR4D+
Dual Channel Receiver Rear

Architectural Specifications

The wireless microphone system shall operate in the UHF band and provide a tone key (32 kHz) to increase reliability and to minimise unwanted noise. The system shall allow to change the operating frequency in 25 kHz steps in order to avoid RF interference, enabling up to 47 systems to operate simultaneously in one frequency band. Preconfigured group, channel and frequency setups shall be available to ensure that multiple systems in use do not interfere with one another. Additionally, multiple free programmable frequency groups shall allow to create customised setups. An IR synchronisation between receiver and transmitter for fast setup shall be implemented.

The receiver shall have a user programmable menu-driven LC display showing group, channel, frequency, name, output level, squelch level, and lock status as well as the most important transmitter settings. It shall use technology such as MARCAD signal combining circuitry for improved reception, minimised signal dropouts, and the best possible signal-to-noise ratio. Tone key squelch, and noise squelch circuitry shall be implemented to provide optimal sound quality and minimise unwanted noise. The receiver shall include an RF meter for each antenna, an audio level meter, and networking interface connectors for PC control and monitoring. The receiver shall have a volume control, an adjustable squelch control and a headphone output with independent volume control.

Product Specifications

Audio output level	+24 dBu (-6 dBu mic)
Carrier frequency	470 –952 MHz (available frequencies depend on applicable country regulations)
Operating Range	150 / up to 500 m (typical / optimal conditions) with UR1 and UR2
Dynamic Range	> 102 dB or >110 dB (A-weighted, region dependent)
Audio Frequency Response	40 Hz to 18 kHz (±1 dB)
System Distortion (at 1 kHz; ± 38 kHz modulation)	< 0.3 %
Image Rejection	> 110 dB typical
Spurious Rejection	> 90 dB typical
Housing	Galvanised steel
Overall Dimension (H x W x D)	44 x 483 x 366 mm
Net Weight	UR4S+ 4.8 kg UR4D+ 5.0 kg
Power Consumptions	UR4S+ 9.6 – 13.2 W UR4D+ 12 – 16 W

Technical Features

- Frequency-agile receiver for wireless microphone systems
- Up to 3,000 selectable frequencies across an 75 MHz bandwidth
- Setups with up to 47 compatible channels per frequency band
- Track Tuning Filtering technology
- MARCAD Diversity
- Patented Audio Reference Companding
- Networkability through built-in USB / Ethernet ports
- Networked Automatic Frequency Selection
- Infrared transmitter synchronisation (including name, frequency, sensitivity, free programmable frequency groups, lock status for frequency and power, and RF power)
- Multi-function backlit LCD (bit-mapped) for programming of carrier frequency name, output level, network settings and the most relevant transmitter parameters
- Battery level indication
- Tone key squelch
- Front panel lockout functionality
- AMX / Crestron compatibility
- Rugged metal housing

Furnished Accessories

UA820	Two antennas (band specific)
95A9023	Antenna extension cables (2)
99A9101	Ethernet cable assembly (1.5 m)

Optional Accessories

UA221	Passive antenna splitter/ combiner kit (recommended for 2 receivers)
UA845E UA845UK	Antenna / power distribution amplifier (recommended for 3 or more receivers) Europe UK
UA860SWB	½ wave, omnidirectional, super wideband antenna
UA870WB	Active directional wideband antenna
UA830WB	Wideband in-line RF amplifier
PA805SWB	Unidirectional, super wideband antenna
UA825	25" antenna cable (RG8X/U)
UA850	50" antenna cable (RG8X/U)
UA8100	100" antenna cable (RG213/U)



RF distribution ports allow up to 10 receivers to share a single pair of antennas

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UR1 Bodypack Transmitter

Architectural Specifications

The wireless bodypack transmitter shall operate in the UHF band and shall provide a tone key (32 kHz) to increase reliability and to minimise unwanted noise. The system shall allow to change the operating frequency in 25 kHz steps in order to avoid RF interference, enabling up to 47 systems to operate simultaneously in one frequency band. Preconfigured group, channel and frequency setups shall be available to ensure that multiple systems in use do not interfere with one another.

The transmitter shall be programmable through a menu as well as infrared synchronisation. The backlit LC display shall show name, battery gauge, carrier frequency, as well as gain and sensitivity settings. The LCD menu controls should cover separately adjustable gain (-20 to +35 dB) and input sensitivity (attenuation pad: +15, 0, -10 dB), tunable carrier frequency, switchable RF power, frequency and power lock as well as the access to the RF safety mode (transmitter operation with muted RF carrier).

Technical Features

- Frequency-agile UHF wireless bodypack
- Shure's patented Audio Reference Companding
- Switchable RF power*
- Up to 47 compatible channels per frequency band
- Up to 3,000 selectable frequencies across 75 MHz bandwidth
- Infrared transmitter synchronisation
- Adjustable gain with additional 3-step-attenuation pad for instruments
- Backlit LC display shows name, frequency, battery gauge, gain and lock settings
- Power and frequency lockout
- Lightweight magnesium construction
- Removable antenna

* Availability of this feature depends on applicable country regulations for use and import.

Product Specifications

Gain adjustment range	55 dB
Maximum input level	+10 dBu (sensitivity 0 dB), +20 dBu (sensitivity -10 dB)
Carrier frequency	470 – 952 MHz (available frequencies depend on applicable country regulations)
RF output level	10 or 10 / 50 or 10 / 100 mW switchable (dependent on frequency version)
Power	2 AA size alkaline or rechargeable batteries
Connector type	TA4M
Battery life	9.5 hours (normal RF power), 6 hours (high RF power)
Housing	Cast magnesium
Dimensions (H x L x D)	98 x 60 x 17 mm (3.84 x 2.38 x 0.66 in.)
Weight	97 g - without batteries

Microphone Options

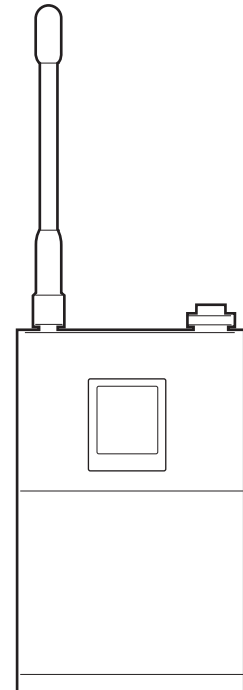
WL93	Condenser capsule, omnidirectional subminiature lavalier mic
WL183	Condenser capsule, omnidirectional lavalier mic
WL184	Condenser capsule, supercardioid lavalier mic
WL185	Condenser capsule, cardioid lavalier mic
WL50	Condenser capsule, omnidirectional lavalier mic
WL51	Condenser capsule, cardioid lavalier mic
WCB6	Condenser capsule, omnidirectional Countryman lavalier mic
WH20	Dynamic capsule, cardioid headworn mic
WH30	Condenser capsule, cardioid headworn mic
WCM16	Condenser capsule, hypercardioid headworn mic
WBH53	Condenser capsule, omnidirectional headworn mic
WBH54	Condenser capsule, supercardioid headworn mic
WCE6/WCE6i	Condenser capsule, omnidirectional or cardioid / hypercardioid Countryman earset mic
WB98H/C	Condenser capsule, cardioid instrument clip mic

Furnished Accessories

UA700	Bodypack antenna, 470 – 530 MHz
UA710	Bodypack antenna, 518 – 578 MHz
UA720	Bodypack antenna, 578 – 698 MHz
UA730	Bodypack antenna, 740 – 865 MHz
UA740	Bodypack antenna, 944 – 952 MHz
44A8031	Belt clip
WA340	Threaded TA4F adapter
26A13	Zipper bag
95A9053	Transmitter carrying case

Optional Accessories

WA580B	Bodypack pouch, black
WA580W	Bodypack pouch, white



UR1
Bodypack Transmitter

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UR1H High Power Bodypack Transmitter

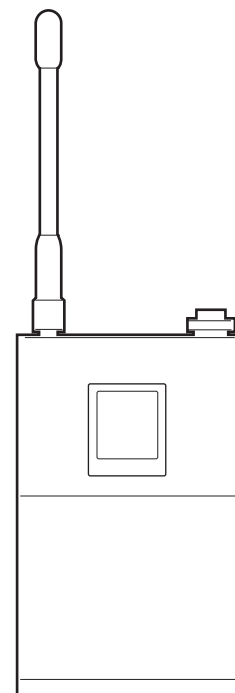
Architectural Specifications

The wireless high power bodypack transmitter shall operate in the UHF band and shall provide a tone key (32 kHz) to increase reliability and to minimise unwanted noise. The system shall allow to change the operating frequency in 25 kHz steps in order to avoid RF interference.

The transmitter shall be programmable through a menu as well as infrared synchronisation. The backlit LC display shall show name, battery gauge, carrier frequency, as well as gain and sensitivity settings. The LCD menu controls should cover separately adjustable gain (-20 to +35 dB) and input sensitivity (attenuation pad: +15, 0, -10 dB), tunable carrier frequency, frequency and power lock as well as the access to the RF safety mode (transmitter operation with muted RF carrier).

Technical Features

- Frequency-agile UHF wireless high power bodypack
- Shure's patented Audio Reference Companding
- Up to 3,000 selectable frequencies across an ultra-wide 75 MHz bandwidth
- Infrared transmitter synchronisation
- Adjustable attenuation pad for instruments
- Backlit LC display shows name, frequency, battery gauge, gain and lock settings
- Power and frequency lockout
- Lightweight magnesium construction
- Removable antenna
- Consistently transmits 250 mW of RF across the entire frequency band for reliable signal strength
- External DC jack for point to point applications
- Automatic, silent switch-over between external adapter and batteries for continuous power during an extended length transmission or an outage
- Optional use of remote antenna for additional signal strength



UR1H
High Power Bodypack Transmitter

Product Specifications

Maximum input level	+10 dBu (sensitivity 0 dB), +20 dBu (sensitivity -10 dB)
Carrier frequency	518 – 862 MHz (available frequencies depend on applicable country regulations)
RF output level	250 mW across all tunable frequencies
Gain Adjustment Range	55 dB
Power	2 x AA batteries or 9 – 20 VDC; Shure PS22 adaptor recommended
Connector type	TA4M
Battery life	Lithium primary: 7 to 9 hours Alkaline: 3 hours
Housing	Cast magnesium
Dimensions (H x L x D)	98 x 60 x 17 mm (3.84 x 2.38 x 0.66 in.)
Weight	97 g without batteries

Microphone Options

WL93	Condenser capsule, omnidirectional subminiature lavalier mic
WL183	Condenser capsule, omnidirectional lavalier mic
WL184	Condenser capsule, supercardioid lavalier mic
WL185	Condenser capsule, cardioid lavalier mic
WL50	Condenser capsule, omnidirectional miniature lavalier mic
WL51	Condenser capsule, cardioid miniature lavalier mic
WCB6	Condenser capsule, omnidirectional Countryman lavalier mic
WH20	Dynamic capsule, cardioid headworn mic
WH30	Condenser capsule, cardioid headworn mic
WCM16	Condenser capsule, hypercardioid headworn mic
WBH53	Condenser capsule, omnidirectional headworn mic
WBH54	Condenser capsule, supercardioid headworn mic
WCE6/WCE6i	Condenser capsule, omnidirectional or cardioid / hypercardioid Countryman earset mic
WB98H/C	Condenser capsule, cardioid instrument clip mic

Furnished Accessories

UA710	Bodypack antenna, 518 – 578 MHz
UA720	Bodypack antenna, 578 – 698 MHz
UA730	Bodypack antenna, 740 – 865 MHz
44A8031	Belt clip
WA340	Threaded TA4F adapter
26A13	Zipper bag
95A9053	Transmitter carrying case

Optional Accessories

WA580B	Bodypack pouch, black
WA580W	Bodypack pouch, white
PS22E, PS22UK	AC to DC power supply

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UR1M Micro-Bodypack Transmitter

Architectural Specifications

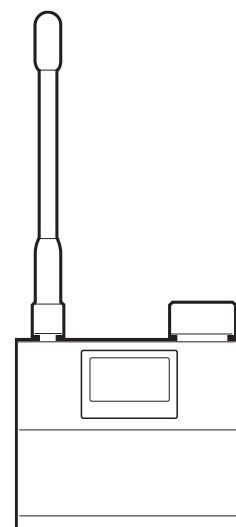
The wireless bodypack transmitter shall operate in the UHF band and shall provide a tone key (32 kHz) to increase reliability and to minimise unwanted noise. The system shall allow to change the operating frequency in 25 kHz steps in order to avoid RF interference, enabling up to 47 systems to operate simultaneously in one frequency band. Preconfigured group, channel and frequency setups shall be available to ensure that multiple systems in use do not interfere with one another.

The transmitter shall be programmable through a menu as well as infrared synchronisation. The transmitter shall provide a threaded connector to securely lock microphones or instrument cables. The backlit LC display shall show name, battery gauge, carrier frequency, as well as gain and sensitivity settings and audio level. The LCD menu controls should cover separately adjustable gain (-20 to +35 dB) and input sensitivity (attenuation pad: +15, 0, -10 dB), tunable carrier frequency, switchable RF power, frequency and power lock as well as the access to the RF Safety Mode (transmitter operation with muted RF carrier).

* Availability of this feature depends on applicable country regulations for use and import.

Technical Features

- Frequency-agile UHF wireless bodypack
- Shure's patented Audio Reference Companding
- Switchable RF power*
- Up to 47 compatible channels per frequency band
- Up to 3,000 selectable frequencies across 75 MHz bandwidth
- Infrared transmitter synchronisation
- Adjustable gain with additional 3-step-attenuation pad for instruments
- Backlit LC display shows name, frequency, battery gauge, gain and lock settings
- Power and frequency lockout
- Lightweight magnesium construction
- Removable antenna
- Half the size of standard bodypacks
- Optimized instrument input
- Selectable alkaline, lithium primary, or NiMH battery curves for accurate power metering
- Audio level metering on bodypack
- TA4M or Lemo-3 connector types available
- Extended sweat resistance



UR1M
Micro- Bodypack Transmitter

Product Specifications

Maximum input level	+5 dBu (sensitivity 0 dB), + 15 dBu (sensitivity -10 dB)
RF output level	10 mW or 10 / 50 mW (region dependent)
Gain adjustment range	55 dB
Power	2 AAA alkaline, lithium primary, or NiMH batteries
Connector Types	TA4M, LEMO 3
Battery life	Alkaline: 6 hours (normal RF power), 4 hours (high RF power) Lithium primary: 9 hours (normal RF power), 7 hours (high RF power) NiMH 1000 mAh: 6 hours (normal RF power), 4 hours (high RF power)
Housing	Cast magnesium
Dimensions (H x L x D)	49 x 60 x 17 mm (1.92 x 2.38 x 0.66 in.)
Weight	62 g without batteries

Microphone Options

WL93	Condenser capsule, omnidirectional subminiature lavalier mic
WL183	Condenser capsule, omnidirectional lavalier mic
WL184	Condenser capsule, supercardioid lavalier mic
WL185	Condenser capsule, cardioid lavalier mic
WL50	Condenser capsule, omnidirectional miniature lavalier mic
WL51	Condenser capsule, cardioid miniature lavalier mic
WCB6	Condenser capsule, omnidirectional Countryman lavalier mic
WH20	Dynamic capsule, cardioid headworn mic
WH30	Condenser capsule, cardioid headworn mic
WCM16	Condenser capsule, hypercardioid headworn mic
WBH53	Condenser capsule, omnidirectional headworn mic
WBH54	Condenser capsule, supercardioid headworn mic
WCE6/WCE6i	Condenser capsule, omnidirectional or cardioid / hypercardioid Countryman earset mic
WB98H/C	Condenser capsule, cardioid instrument clip mic

Furnished Accessories

UA700	Bodypack antenna, 470 – 530 MHz
UA710	Bodypack antenna, 518 – 578 MHz
UA720	Bodypack antenna, 578 – 698 MHz
UA730	Bodypack antenna, 740 – 865 MHz
UA740	Bodypack antenna, 944 – 952 MHz
26A13	Zipper bag
95A9053	Transmitter carrying case

Optional Accessories

WA581B	Bodypack pouch, black
WA581W	Bodypack pouch, white
WA335	3-Pin mini Lemo conversion kit
WA336	3-Pin mini Lemo Jack for lavalier

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UR2 Handheld Transmitter

Architectural Specifications

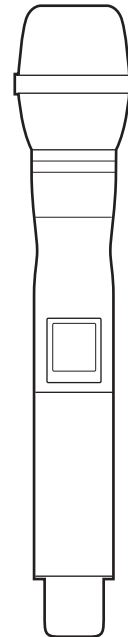
The wireless handheld transmitter shall operate in the UHF band and shall provide a tone key (32 kHz) to increase reliability and to minimise unwanted noise. The system shall allow to change the operating frequency in 25 kHz steps in order to avoid RF interference, enabling up to 47 systems to operate simultaneously in one frequency band. Preconfigured group, channel and frequency setups shall be available to ensure that multiple systems in use do not interfere with one another.

The transmitter shall be programmable through a menu as well as infrared synchronisation (including the sync of free programmable custom groups). The transmitter shall provide exchangeable microphone capsules as well as a backlit LC display showing name, battery gauge, carrier frequency, gain and lock settings. LCD menu controls should cover adjustable gain (-10 to +20 dB), tunable carrier frequency, switchable RF power, and frequency and power lock settings as well as the access to the RF safety mode (transmitter operation with muted RF carrier).

Technical Features

- Frequency-agile UHF wireless handheld transmitter
- Exchangeable microphone capsules
- Shure's patented Audio Reference Companding
- Switchable RF power*
- Up to 47 compatible channels per frequency band
- Up to 3,000 selectable frequencies across 75 MHz bandwidth
- Infrared transmitter synchronisation
- Backlit LC display shows name, frequency, battery gauge, gain and lock settings
- Power and frequency lockout
- Lightweight and robust housing
- Interchangeable mic heads

* Availability of this feature depends on applicable country regulations for use and import.



UR2 Handheld Transmitter

Product Specifications

Carrier frequency	470 – 952 MHz (available frequencies depend on applicable country regulations)			
RF output level	10 or 10 / 50 mW switchable (dependent on frequency version)			
Gain Adjustment Range	30 dB			
Power	2 AA size alkaline or rechargeable batteries			
Battery life	9.5 hours (normal RF power), 6 hours (high RF power)			
Housing	Aluminium die-cast handle and aluminium machined battery cup			
Overall dimensions (L x Ø)	UR2/SM58®	261 x 51 mm	UR2/Beta87A	254 x 51 mm
	UR2/SM86	261 x 51 mm	UR2/Beta87C	254 x 51 mm
	UR2/SM87	254 x 51 mm	UR2/KSM9/BK	250 x 51 mm
	UR2/Beta58	258 x 51 mm	UR2/KSM9/SL	250 x 51 mm
Weight	UR2/SM58®	356 g	UR2/Beta87A	325 g
	UR2/SM86	317 g	UR2/Beta87C	325 g
	UR2/SM87	298 g	UR2/KSM9/BK	410 g
	UR2/Beta58	314 g	UR2/KSM9/SL	410 g

Microphone Options

UR2/SM58®	Dynamic capsule, cardioid handheld microphone
UR2/SM86	Condenser capsule, cardioid handheld microphone
UR2/SM87	Condenser capsule, supercardioid handheld microphone
UR2/Beta58A	Dynamic capsule, supercardioid handheld microphone
UR2/Beta87A	Condenser capsule, supercardioid handheld microphone
UR2/Beta87C	Condenser capsule, cardioid handheld microphone
UR2/KSM9/BK	Condenser capsule, cardioid/supercardioid switchable handheld microphone, black
UR2/KSM9/SL	Condenser capsule, cardioid/supercardioid switchable handheld microphone, champagne

Furnished Accessories

WA371	Microphone stand adapter
26A14	Zipper bag
95A9053	Transmitter carrying case

Optional Accessories

RPW112	Wireless SM58® (dynamic) cartridge, assembly and grille
RPW114	Wireless SM86 (condenser) cartridge, assembly and grille
RPW116	Wireless SM87A (condenser) cartridge, assembly and grille
RPW118	Wireless Beta 58A (dynamic) cartridge, assembly and grille
RPW120	Wireless Beta 87A (condenser) cartridge, assembly and grille
RPW122	Wireless Beta 87C (condenser) cartridge, assembly and grille
RPW180	Wireless KSM9 (champagne, condenser) cartridge, assembly and grille
RPW184	Wireless KSM9 (black, condenser) cartridge, assembly and grille

RK143G	Matte silver grille (SM58®)
RPM266	Matte silver grille (SM86)
RK265G	Matte silver grille (Beta 58)
RK214G	Black grille (SM87A)
RK312	Matte silver grille (Beta 87A / Beta 87C)
A85WS	Windscreen, foam for SM85, SM86, SM87A, Beta 87A, Beta 87C
RK323G	Black grille (Beta 58A)
RK324G	Black grille (Beta 87A / Beta 87C)

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