

SHURE®

LEGENDARY
PERFORMANCE™

WIRELESS SYSTEM

ULX-D USER GUIDE



ULX-D Digital Wireless Microphone System
Système de microphone sans fil numérique ULX-D
Digitales drahtloses Mikrofonsystem ULX-D
Sistema de micrófonos inalámbricos digitales ULX-D
Sistema radiomicrofonico digitale ULX-D
Sistema de Microfone Sem Fio Digital ULX-D
Digitaal draadloos microfoonsysteem ULX-D
Цифровая беспроводная микрофонная система ULX-D
ULX-Dデジタルワイヤレスマイクロホンシステム
ULX-D 디지털 무선 마이크 시스템
ULX-D 数字式无线话筒系统
ULX-D 數位式無線話筒系統
Sistem Mikrofon Nirkabel Digital ULX-D



© 2014 Shure Incorporated
27A27229 (Rev. 1)
Printed in U.S.A.



IMPORTANT SAFETY INSTRUCTIONS

1. READ these instructions.
2. KEEP these instructions.
3. HEED all warnings.
4. FOLLOW all instructions.
5. DO NOT use this apparatus near water.
6. CLEAN ONLY with dry cloth.
7. DO NOT block any ventilation openings. Allow sufficient distances for adequate ventilation and install in accordance with the manufacturer's instructions.
8. DO NOT install near any heat sources such as open flames, radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat. Do not place any open flame sources on the product.
9. DO NOT defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wider blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. PROTECT the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. ONLY USE attachments/accessories specified by the manufacturer.
12. USE only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. UNPLUG this apparatus during lightning storms or when unused for long periods of time.



14. REFER all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. DO NOT expose the apparatus to dripping and splashing. DO NOT put objects filled with liquids, such as vases, on the apparatus.
16. The MAINS plug or an appliance coupler shall remain readily operable.
17. The airborne noise of the Apparatus does not exceed 70dB (A).
18. Apparatus with CLASS I construction shall be connected to a MAINS socket outlet with a protective earthing connection.
19. To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
20. Do not attempt to modify this product. Doing so could result in personal injury and/or product failure.
21. Operate this product within its specified operating temperature range.



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

CONSIGNES DE SÉCURITÉ IMPORTANTES

1. LIRE ces consignes.
2. CONSERVER ces consignes.
3. OBSERVER tous les avertissements.
4. SUIVRE toutes les consignes.
5. NE PAS utiliser cet appareil à proximité de l'eau.
6. NETTOYER UNIQUEMENT avec un chiffon sec.
7. NE PAS obstruer les ouvertures de ventilation. Laisser des distances suffisantes pour permettre une ventilation adéquate et effectuer l'installation en respectant les instructions du fabricant.
8. NE PAS installer à proximité d'une source de chaleur telle qu'une flamme nue, un radiateur, une bouche de chaleur, un poêle ou d'autres appareils (dont les amplificateurs) produisant de la chaleur. Ne placer aucune source à flamme nue sur le produit.
9. NE PAS détériorer la sécurité de la fiche polarisée ou de la fiche de terre. Une fiche polarisée comporte deux lames dont l'une est plus large que l'autre. Une fiche de terre comporte deux lames et une troisième broche de mise à la terre. La lame la plus large ou la troisième broche assure la sécurité de l'utilisateur. Si la fiche fournie ne s'adapte pas à la prise électrique, demander à un électricien de remplacer la prise hors normes.
10. PROTÉGER le cordon d'alimentation afin que personne ne marche dessus et que rien ne le pince, en particulier au niveau des fiches, des prises de courant et du point de sortie de l'appareil.
11. UTILISER UNIQUEMENT les accessoires spécifiés par le fabricant.
12. UTILISER uniquement avec un chariot, un pied, un trépied, un support ou une table spécifié par le fabricant ou vendu avec l'appareil. Si un chariot est utilisé, déplacer l'ensemble chariot-appareil avec précaution afin de ne pas le renverser, ce qui pourrait entraîner des blessures.



13. DÉBRANCHER l'appareil pendant les orages ou quand il ne sera pas utilisé pendant longtemps.
14. CONFIER toute réparation à du personnel qualifié. Des réparations sont nécessaires si l'appareil est endommagé d'une façon quelconque, par exemple : cordon ou prise d'alimentation endommagé, liquide renversé ou objet tombé à l'intérieur de l'appareil, exposition de l'appareil à la pluie ou à l'humidité, appareil qui ne marche pas normalement ou que l'on a fait tomber.
15. NE PAS exposer cet appareil aux égouttements et aux éclaboussures. NE PAS poser des objets contenant de l'eau, comme des vases, sur l'appareil.
16. La prise SECTEUR ou un coupleur d'appareil électrique doit rester facilement utilisable.
17. Le bruit aérien de l'appareil ne dépasse pas 70 dB (A).
18. L'appareil de construction de CLASSE I doit être raccordé à une prise SECTEUR dotée d'une protection par mise à la terre.
19. Pour réduire les risques d'incendie ou de choc électrique, ne pas exposer cet appareil à la pluie ou à l'humidité.
20. Ne pas essayer de modifier ce produit. Cela risque de causer des blessures et/ou la défaillance du produit.
21. Utiliser ce produit dans sa plage de températures de fonctionnement spécifiée.



Ce symbole indique la présence d'une tension dangereuse dans l'appareil constituant un risque de choc électrique.



Ce symbole indique que la documentation fournie avec l'appareil contient des instructions d'utilisation et d'entretien importantes.

WICHTIGE SICHERHEITSHINWEISE

1. Diese Hinweise LESEN.
2. Diese Hinweise AUFBEWAHREN.
3. Alle Warnungen BEACHTEN.
4. Alle Hinweise BEFOLGEN.
5. Dieses Gerät NICHT in Wassernähe VERWENDEN.
6. NUR mit einem sauberen Tuch REINIGEN.
7. KEINE Lüftungsöffnungen verdecken. Hinreichende Abstände für ausreichende Belüftung vorsehen und gemäß den Anweisungen des Herstellers installieren.
8. NICHT in der Nähe von Wärmequellen wie zum Beispiel offenen Flammen, Heizkörpern, Wärmespeichern, Öfen oder anderen Hitze erzeugenden Geräten (einschließlich Verstärkern) installieren. Keine Quellen von offenen Flammen auf dem Produkt platzieren.
9. Die Schutzfunktion des Schukosteckers NICHT umgehen. Ein Schukostecker verfügt über zwei Steckerzinken sowie Schutzleiter. Bei dieser Steckerführung dienen die Schutzleiter Ihrer Sicherheit. Wenn der mitgelieferte Stecker nicht in die Steckdose passt, einen Elektriker mit dem Austauschen der veralteten Steckdose beauftragen.
10. VERHINDERN, dass das Netzkabel gequetscht oder darauf getreten wird, insbesondere im Bereich der Stecker, Netzsteckdosen und an der Austrittsstelle vom Gerät.
11. NUR das vom Hersteller angegebene Zubehör und entsprechende Zusatzgeräte verwenden.
12. NUR in Verbindung mit einem vom Hersteller angegebenen oder mit dem Gerät verkauften Transportwagen, Stand, Stativ, Träger oder Tisch verwenden. Wenn ein Transportwagen verwendet wird, beim Verschieben der Transportwagen/Geräte-Einheit vorsichtig vorgehen, um Verletzungen durch Umkippen zu verhüten.
13. Bei Gewitter oder wenn das Gerät lange Zeit nicht benutzt wird, das Netzkabel HERAUSZIEHEN.



14. ALLE Reparatur- und Wartungsarbeiten von qualifiziertem Kundendienstpersonal durchführen lassen. Kundendienst ist erforderlich, wenn das Gerät auf irgendwelche Weise beschädigt wurde, z. B. wenn das Netzkabel oder der Netzstecker beschädigt wurden, wenn Flüssigkeiten in das Gerät verschüttet wurden oder Fremdkörper hineinfielen, wenn das Gerät Regen oder Feuchtigkeit ausgesetzt war, nicht normal funktioniert oder fallen gelassen wurde.
15. Dieses Gerät vor Tropf- und Spritzwasser SCHÜTZEN. KEINE mit Wasser gefüllten Gegenstände wie zum Beispiel Vasen auf das Gerät STELLEN.
16. Der Netzstecker oder eine Gerätesteckverbindung muss leicht zu betätigen sein.
17. Der Luftschall des Geräts überschreitet 70 dB (A) nicht.
18. Das Gerät mit Bauweise der KLASSE I muss mit einem Schukostecker mit Schutzleiter in eine Netzsteckdose mit Schutzleiter eingesteckt werden.
19. Dieses Gerät darf nicht Regen oder Feuchtigkeit ausgesetzt werden, um das Risiko von Bränden oder Stromschlägen zu verringern.
20. Nicht versuchen, dieses Produkt zu modifizieren. Ansonsten könnte es zu Verletzungen und/oder zum Produktausfall kommen.
21. Dieses Produkt muss innerhalb des vorgeschriebenen Temperaturbereichs betrieben werden.



Dieses Symbol zeigt an, dass gefährliche Spannungswerte, die ein Stromschlagrisiko darstellen, innerhalb dieses Geräts auftreten.



Dieses Symbol zeigt an, dass das diesem Gerät beiliegende Handbuch wichtige Betriebs- und Wartungsanweisungen enthält.

Quickstart Instructions

Instructions de mise en oeuvre rapide
Kurzanleitung

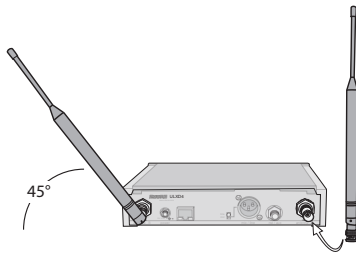
Instrucciones de arranque rápido
Istruzioni di avviamento rapido
Instruções para Início Rápido

Краткое руководство
クイックスタート操作ガイド
빠른 시작 설명서

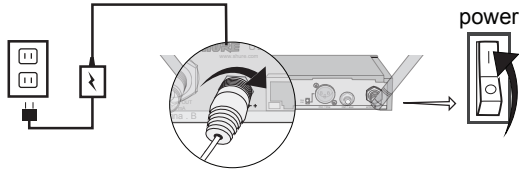
快速入门说明
快速入門說明
Petunjuk Memulai Cepat
Snelstart

1

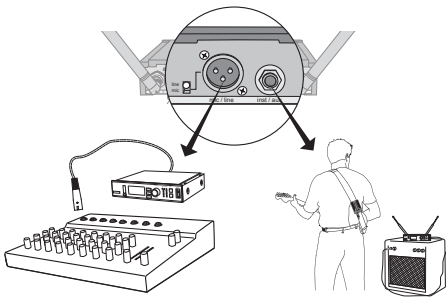
a



b

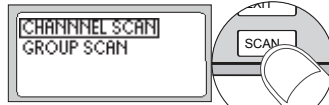
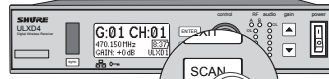


c

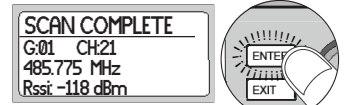


2

a

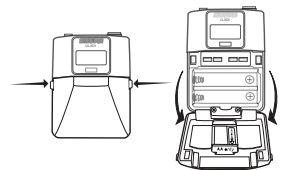
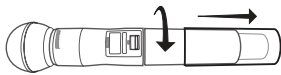


b

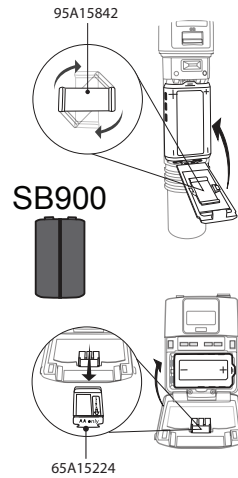
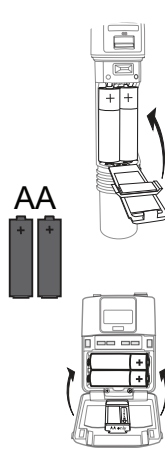


3

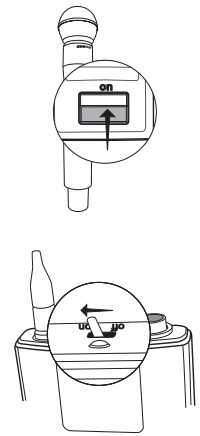
a



b

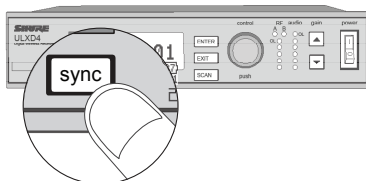


c

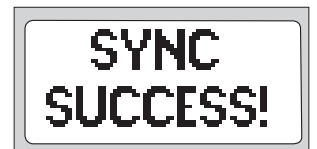
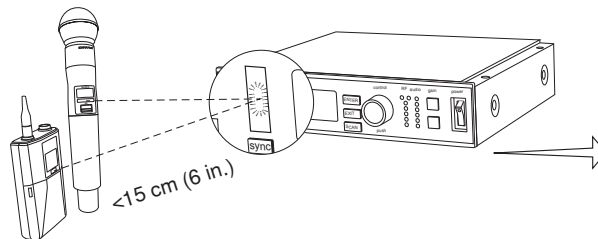


4

a



b



General Description

Shure ULX-D Digital Wireless offers uncompromising audio quality and RF performance, with intelligent, encryption-enabled hardware and advanced rechargeability options for professional sound reinforcement.

A breakthrough in wireless audio quality, Shure digital processing enables ULX-D to deliver the purest reproduction of source material ever available in a wireless system. Extended 20 Hz – 20 KHz frequency range and totally flat response captures every detail with clarity, presence, and incredibly accurate low-end and transient response. At greater than 120 dB, ULX-D delivers wide dynamic range for excellent signal-to-noise performance. For added convenience, proprietary Shure Gain Ranging optimizes the system's dynamic range for any input source, eliminating the need for transmitter gain adjustments.

In RF performance, ULX-D sets the bar for wireless channel efficiency and signal stability. Minimized intermodulation allows more transmitters to operate simultaneously over one TV channel than any other system. Rock-solid RF signal with no audio artifacts extends over the entire 100 meter line-of-sight range, even using standard dipole antennas. For applications where secure transmission is required, ULX-D offers Advanced Encryption Standard (AES) 256-bit encrypted signal for unbreachable privacy.

Advanced Lithium-ion rechargeability provides extended transmitter battery life over alkaline batteries, battery life metering in hours and minutes accurate to within 15 minutes, and detailed tracking of battery health status.

Generations ahead of any other available system in its class, ULX-D brings a new level of performance to professional sound reinforcement.

Full Manual Online

This is the quick-reference version of the user guide.

For information on the following topics, visit www.shure.com to download the comprehensive manual:

- High Density Mode
- Encryption
- Multiple systems setup
- RF and hardware presets
- Warning Messages
- Networking details
- Firmware updates
- AMX and Crestron connections
- Troubleshooting
- Product specifications and wiring diagrams
- Compatible frequencies chart

Receiver

Front Panel

① Sync Button

Press the **sync** button while the receiver and transmitter IR windows are aligned to transfer settings from the receiver to the transmitter

② Infrared (IR) Sync Window

Sends IR signal to the transmitter for sync

③ Network Icon

Illuminates when the receiver is connected with other Shure devices on the network. IP Address must be valid to enable networked control

④ Encryption Icon

Illuminates when AES-256 encryption is activated: **Utilities > Encryption**

⑤ LCD Panel

Displays settings and parameters

⑥ Scan Button

Press to find the best channel or group

⑦ Menu Navigation Buttons

Use to select and navigate through parameter menus

⑧ Control Wheel

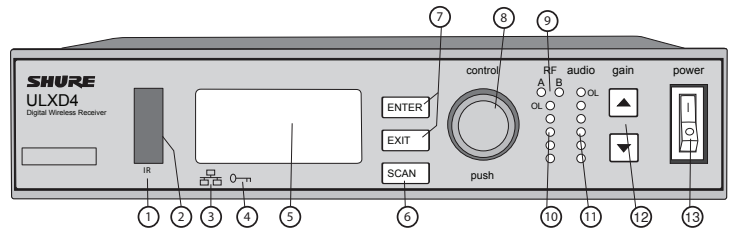
Push to select menu items for editing, turn to edit a parameter value

⑨ RF Diversity LEDs

Indicate antenna status:

- Blue = normal RF signal between the receiver and transmitter
- Red = interference detected
- Off = No RF connection between the receiver and transmitter

Note: the receiver will not output audio unless one blue LED is illuminated



⑩ RF Signal Strength LEDs

Indicate the RF signal strength from the transmitter:

- Amber = Normal (-90 to -70 dBm)
- Red = Overload (greater than -25 dBm)

⑪ Audio LEDs

Indicate average and peak audio levels:

LED	Audio Signal Level	Description
Red (6)	-0.1 dBFS	Overload/ limiter
Yellow (5)	-6 dBFS	Normal peaks
Yellow (4)	-12 dBFS	
Green (3)	-20 dBFS	Signal Present
Green (2)	-30 dBFS	
Green (1)	-40 dBFS	

⑫ Gain Buttons

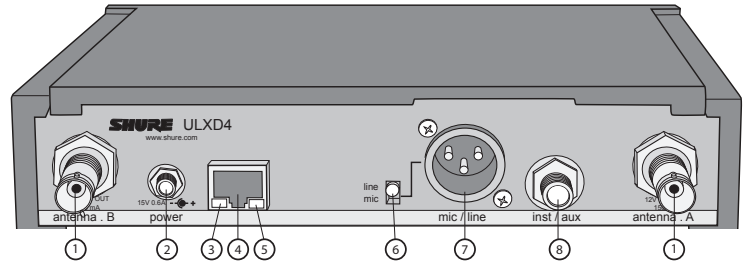
Adjust channel gain

⑬ Power Switch

Powers the unit on or off

Back Panel

- ① **RF Antenna Diversity Input Jack (2)**
For antenna A and antenna B.
- ② **Power Supply Jack**
Connect the supplied 15 V DC external power supply
- ③ **Network Speed LED (Amber)**
 - Off = 10 Mbps
 - On = 100 Mbps
- ④ **Ethernet Port**
Connect to an Ethernet network to enable remote control and monitoring
- ⑤ **Network Status LED (Green)**
 - Off = no network link
 - On = network link active
 - Flashing = network link active, flash rate corresponds to traffic volume
- ⑥ **Mic/Line Switch**
Applies a 30 dB pad in mic position (XLR output only)
- ⑦ **Balanced XLR Audio Output**
Connect to a mic or line level input
- ⑧ **Balanced 1/4" (6.35 mm) TRS Audio Output**
Connect to a mic or line level input



Receiver Output Level

The following table describes the typical total system gain from the audio input to the receiver outputs:

Receiver Output Gain

Output Jack	System Gain (gain control = 0dB)
1/4" TRS	+18 dB
XLR (line setting)	+24 dB
XLR (mic setting)	-6 dB*

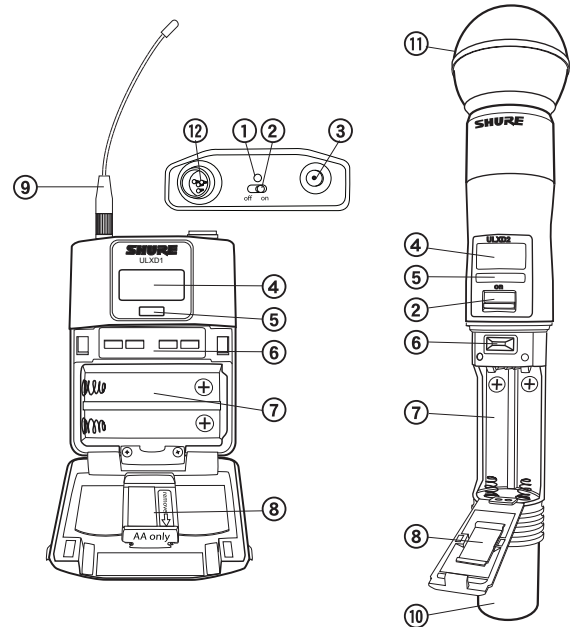
*This setting matches a typical wired SM58 audio signal level.

Transmitters

- ① **Power LED**
 - Green = unit is powered on
 - Red = low battery or battery error (see Troubleshooting)
 - Amber = power switch is disabled
- ② **On/Off Switch**
Powers the unit on or off.
- ③ **SMA Connector**
Connection point for RF antenna.
- ④ **LCD Display:**
View menu screens and settings. Press any control button to activate the backlight.
- ⑤ **Infrared (IR) Port**
Align with the receiver IR port during an IR Sync for automated transmitter programming.
- ⑥ **Menu Navigation Buttons**
Use to navigate through parameter menus and change values.

exit	Acts as a 'back' button to return to previous menus or parameters without confirming a value change
enter	Enters menu screens and confirms parameter changes
▼▲	Use to scroll through menu screens and to change parameter values

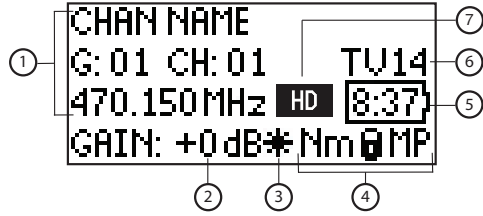
- ⑦ **Battery Compartment**
Requires Shure SB900 rechargeable battery or 2 AA batteries.
- ⑧ **AA Battery Adapter**
 - Handheld: rotate and store in the battery compartment to use a Shure SB900 battery
 - Bodypack: remove to accommodate a Shure SB900 battery
- ⑨ **Bodypack Antenna**
For RF signal transmission.



- ⑩ **Integrated Antenna**
For RF signal transmission.
- ⑪ **Microphone Cartridge**
See Optional Accessories for a list of compatible cartridges.
- ⑫ **TA4M Input Jack**
Connects to a 4-Pin Mini Connector (TA4F) microphone or instrument cable.

Menu Screens

Receiver Channel



① **Receiver Information**

Use **DEVICEUTILITIES > HOME INFO** to change the home screen display.

② **Gain Setting**

-18 to +42 dB, or Mute.

③ **Mic. Offset Indicator**

Indicates offset gain is added to the transmitter.

④ **Transmitter Settings**

The following information cycles when a transmitter is tuned to the receiver's frequency:

- Transmitter Type
- Input Pad (Bodypack only)
- RF Power Level
- Transmitter Lock Status
- Transmitter Mute Status

⑤ **Battery Runtime Indicator**

Shure SB900 battery: runtime is displayed in minutes remaining.
AA batteries: runtime is displayed with a 5-bar indicator.

⑥ **TV Channel**

Displays the TV channel that contains the tuned frequency.

⑦ **High Density Mode Icon**

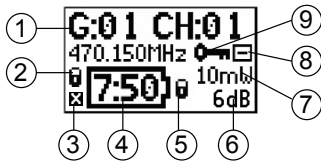
Displayed when High Density mode is enabled.

Transmitter Status

The following text or icons report transmitter status to the receiver screen:

Display Icon	Transmitter Status
	Bodypack input is attenuated 12 dB
	Offset gain is added to the transmitter
Lo	1 mW RF power level
Nm	10 mW RF power level
Hi	20 mW RF power level
M	Menu is locked
P	Power is locked
TxMuted	Displayed when the transmitter audio is set to off using the MUTE MODE feature
-No Tx-	No RF connection between a receiver and transmitter or transmitter OFF

Transmitter



① **Transmitter Information**

Scroll **▲▼** at the home screen to change the display

② **Power Lock Indicator**

Indicates power switch is disabled

③ **Transmitter Audio Muted Indicator**

Displayed when the transmitter audio is set to off using the **MUTE MODE** feature.

④ **Battery Runtime Indicator**

- Shure SB900 battery: runtime is displayed in hours:minutes remaining
- AA Batteries: runtime is displayed with a 5-bar indicator

⑤ **Menu Lock Indicator**

Indicates menu navigation buttons are disabled

⑥ **Mic. Offset**

Displays microphone offset gain value

⑦ **RF Power**

Displays RF power setting

⑧ **Bodypack Input Pad**

The input signal is attenuated 12 dB

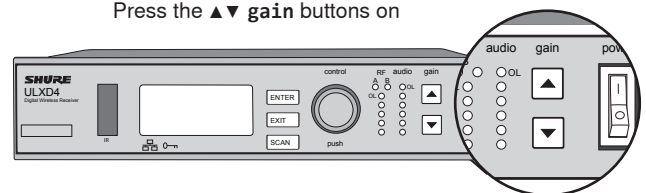
⑨ **Encryption Icon**

Indicates encryption is enabled on the receiver and has been transferred to the transmitter from a sync

System Gain Control

The gain control on the receiver sets the audio signal level for the entire system. This allows adjustments to be made during a live performance. It is not necessary to change the gain on the transmitter (mic offset) to optimize the gain structure. Any required changes to gain should be made from the receiver.

Press the **▲▼** gain buttons on



the front of the receiver to incrementally adjust gain from -18 to +42 dB.

Shure Rechargeable Battery Care and Storage

Proper care and storage of Shure batteries results in reliable performance and ensures a long lifetime.

- Always store batteries and transmitters at room temperature
- Do not allow battery voltage to drop below 3 volts

Preparing Batteries for Long-term Storage

When storing batteries for periods longer than one month, keep the voltage level at approximately 40% of capacity. Maintaining a voltage of 40% of capacity protects the batteries and places them in an ideal condition for long-term storage.

During storage, check the battery voltage every 3 months and recharge any batteries to restore the voltage level to 40% of capacity.

Audio Signal Encryption

When encryption is enabled, the receiver generates a unique encryption key which is shared with a the transmitter during an IR sync. Transmitters and receivers that share an encryption key form a protected audio path, preventing unauthorized access from other receivers.

Encrypting a Single Transmitter to a Single Receiver

1. From the receiver menu: **DEVICE UTILITIES > ENCRYPTION > ON (Auto)**
2. Press **ENTER**.
3. Perform an IR Sync to share the encryption key with the selected transmitter.

Encrypting Multiple Transmitters to a Single Receiver

Multiple transmitters can share the same encryption key, allowing them access to a single receiver. Use this method if you have multiple instruments or wish to use a combination of handheld and bodypack transmitters.

1. From the receiver menu: **DEVICE UTILITIES > ENCRYPTION > ON (Manual) > KEEP KEYS**.
2. Press **ENTER**.
3. Perform an IR Sync to share the encryption key with the first transmitter.
4. Turn off the transmitter and perform an IR Sync to share the key additional transmitters.

Caution! Make sure only one transmitter is turned on during an IR sync or a performance to avoid causing cross interference between transmitters.

Regenerating Encryption Keys

Periodically regenerating the encryption key maintains security for transmitters and receivers that are paired for extended periods.

1. From the receiver menu: **DEVICE UTILITIES > ENCRYPTION > ON (Manual) > REGENERATE KEYS**.
2. Press **ENTER**.
3. Perform an IR Sync to share the encryption key with the first transmitter.
4. Turn off the transmitter and perform an IR Sync to share the key additional transmitters.

Caution! Make sure only one transmitter is turned on during an IR sync or a performance to avoid causing cross interference between transmitters.

Removing Encryption

1. From the receiver menu: **DEVICE UTILITIES ENCRYPTION OFF**
2. Press **ENTER**.
3. IR Sync the transmitter and receiver to clear the encryption key.

Note: If multiple transmitters are encrypted to a single receiver, each transmitter must be IR synced to clear the encryption key.

Working Range

100 m (330 ft)

Note: Actual range depends on RF signal absorption, reflection and interference.

Audio Frequency Response

ULXD1	20 – 20 kHz (±1 dB)
ULXD2	Note: Dependent on microphone type

Audio Dynamic Range

System Gain @ +10

>120 dB, A-weighted, typical

System Audio Polarity

Positive pressure on microphone diaphragm produces positive voltage on pin 2 (with respect to pin 3 of XLR output) and the tip of the 6.35 mm (1/4-inch) output.

Operating Temperature Range

-18°C (0°F) to 50°C (122°F)

Note: Battery characteristics may limit this range.

Housing

ULXD4	ULXD1	ULXD2
steel	Cast aluminum	Machined aluminum

ULXD4 Power Requirements

15 V DC @ 0.6 A, supplied by external power supply (tip positive)

Battery Type

Shure SB900 Rechargeable Li-Ion or LR6 AA batteries 1.5 V

Battery Runtime

@ 10 mW

Shure SB900	alkaline
>12 hours	11 hours

Band	Frequency Range (MHz)	Power (mW RMS) (Lo/Nm/Hi)
G50	470 to 534	1/10/20
G51	470 to 534	1/10/20
G52	479 to 534	1/10
H50	534 to 598	1/10/20
H51	534 to 598	1/10/20
H52	534 to 565	1/10
J50	572 to 636	1/10/20
K51	606 to 670	1/10
L50	632 to 696	1/10/20
L51	632 to 696	1/10/20
P51	710 to 782	1/10/20
R51	800 to 810	1/10/20
JB (Tx only)	806 to 810	1/10
AB (Rx and Tx)	770 to 810	'A' Band (770-805): 1/10/20
		'B' Band (806-809): 1/10
Q51	794 to 806	1/10/20
X50	925 to 932	1/10
X51	925 to 937.5	10
X52	902 to 928 (All America's except Brazil)	0.25/10/20
X53	902 to 907.500, 915 to 928 (Brazil)	0.25/10/20
X54	915 to 928 (Australia)	0.25/10/20

Certifications

ULXD1, ULXD2, ULXD4

Meets essential requirements of the following European Directives:

- Low Voltage Directive 2006/95/EC
 - R&TTE Directive 99/5/EC
 - WEEE Directive 2002/96/EC, as amended by 2008/34/EC
 - RoHS Directive 2002/95/EC, as amended by 2008/35/EC
- Note:** Please follow your regional recycling scheme for batteries and electronic waste
- Conforms to European Regulation (EC) No. 1275/2008, as amended.

Meets requirements of the following standards: EN 300 422 Parts 1 and 2, EN 301 489 Parts 1 and 9.

ULXD1, ULXD2

Certified under FCC Part 74.

Certified by IC in Canada under RSS-123 and RSS-102.

IC: 616A-ULXD1 G50, 616A-ULXD1 H50, 616A-ULXD1 J50, 616A-ULXD1 L50; 616A-ULXD2 G50, 616A-ULXD2 H50, 616A-ULXD2 J50, 616A-ULXD2 L50.

FCC: DD4ULXD1G50, DD4ULXD1H50, DD4ULXD1J50, DD4ULXD1L50; DD4ULXD2G50, DD4ULXD2H50, DD4ULXD2J50, DD4ULXD2L50.

Certified under FCC Part 15.

Certified by IC in Canada under RSS-102 and RSS-210.

IC: 616A-ULXD1X52, 616A-ULXD2X52

FCC: DD4ULXD1X52, DD4ULXD2X52

ULXD4

Approved under the Declaration of Conformity (DoC) provision of FCC Part 15.

Certified in Canada by IC to RSS-123.

IC: 616A-ULXD4 G50, 616A-ULXD4 J50, 616A-ULXD4 L50

This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

The CE Declaration of Conformity can be obtained from Shure Incorporated or any of its European representatives. For contact information please visit www.shure.com

The CE Declaration of Conformity can be obtained from: www.shure.com/europe/compliance

Authorized European representative:
Shure Europe GmbH
Headquarters Europe, Middle East & Africa
Department: EMEA Approval
Jakob-Dieffenbacher-Str. 12
75031 Eppingen, Germany
Phone: 49-7262-92 49 0
Fax: 49-7262-92 49 11 4
Email: info@shure.de

This device complies with Industry Canada licence-exempt RSS standard(s). Operation of this device is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Note: EMC conformance testing is based on the use of supplied and recommended cable types. The use of other cable types may degrade EMC performance.

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

Information to the user

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

LICENSING INFORMATION

Licensing: A ministerial license to operate this equipment may be required in certain areas. Consult your national authority for possible requirements. Changes or modifications not expressly approved by Shure Incorporated could void your authority to operate the equipment. Licensing of Shure wireless microphone equipment is the user's responsibility, and licensability depends on the user's classification and application, and on the selected frequency. Shure strongly urges the user to contact the appropriate telecommunications authority concerning proper licensing, and before choosing and ordering frequencies.

Australia Warning for Wireless

This device operates under an ACMA class licence and must comply with all the conditions of that licence including operating frequencies. Before 31 December 2014, this device will comply if it is operated in the 520-820 MHz frequency band. **WARNING:** After 31 December 2014, in order to comply, this device must not be operated in the 694-820 MHz band.

WARNING: Danger of explosion if battery incorrectly replaced. Operate only with Shure compatible batteries.

Note: Use only with the included power supply or a Shure-approved equivalent.

WARNING

- Battery packs may explode or release toxic materials. Risk of fire or burns. Do not open, crush, modify, disassemble, heat above 140°F (60°C), or incinerate.
- Follow instructions from manufacturer
- Only use Shure charger to recharge Shure rechargeable batteries
- **WARNING:** Danger of explosion if battery incorrectly replaced. Replace only with same or equivalent type.
- Never put batteries in mouth. If swallowed, contact your physician or local poison control center
- Do not short circuit; may cause burns or catch fire
- Do not charge or use battery packs other than Shure rechargeable batteries
- Dispose of battery packs properly. Check with local vendor for proper disposal of used battery packs.
- Batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like

SHURE[®]
LEGENDARY
PERFORMANCE™

©2014 Shure Incorporated

**United States, Canada, Latin
America, Caribbean:**

Shure Incorporated
5800 West Touhy Avenue
Niles, IL 60714-4608 USA

Phone: 847-600-2000
Fax: 847-600-1212 (USA)
Fax: 847-600-6446
Email: info@shure.com

Europe, Middle East, Africa:

Shure Europe GmbH
Jakob-Dieffenbacher-Str. 12,
75031 Eppingen, Germany

Phone: 49-7262-92490
Fax: 49-7262-9249114
Email: info@shure.de

Asia, Pacific:

Shure Asia Limited
22/F, 625 King's Road
North Point, Island East
Hong Kong

Phone: 852-2893-4290
Fax: 852-2893-4055
Email: info@shure.com.hk

PT. GOSHEN SWARA INDONESIA

Kompleks Harco Mangga Dua Blok L No. 35 Jakarta Pusat

I.16.GSI31.00501.0211