!

1.
2.
3.
4.
5.
6.
7.
8.
9.
10.
11. /
12.

13.
14.
15.
16.
17. 70dB (A)
18. I
19.
20. /
21.

-
-
-
  140°F (60°C)
-
-
  ACMA
-
  2014 12 31 520-820 MHz
-
  2014 12 31
  694-820 MHz
-
-
-

QLX-D® 24

- SM58
- Beta 58A
- SM86
- Beta 87A
- SM87A
- Beta 87C
- KSM9
- KSM9HS

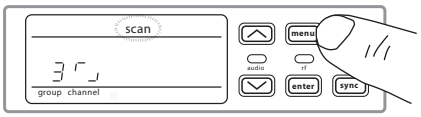
- Beta 98H/C
- WL93
- WL183
- WL184
- WL185
- MX150
- MX150
- MX153
- SM35

QLXD1
WA305

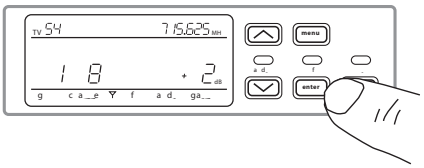
- QLXD1 WL185 Microflex
- QLXD2 Shure SM58
-
- (2)

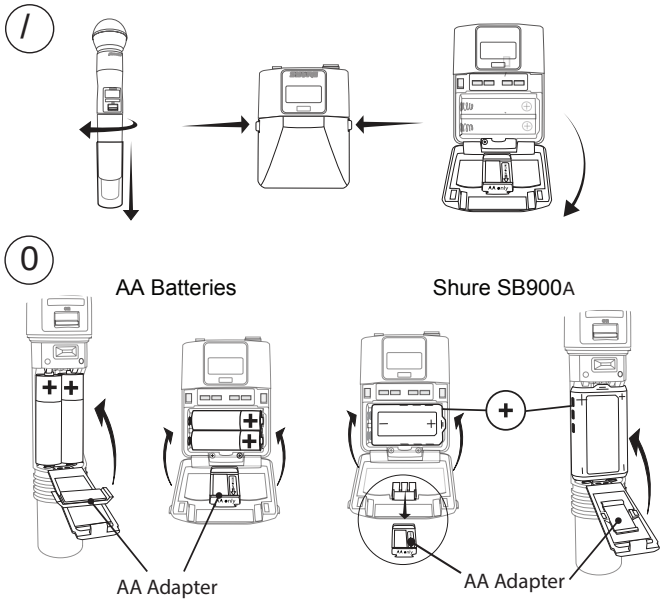
QLXD1

1. menu



2. enter



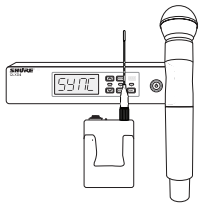


- **AA** AA
- **SB900** AA AA

AA

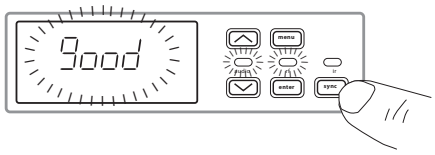
1.
2. sync ir LED

3. <15 6 IR ir LED

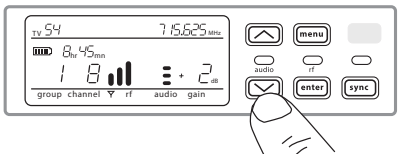


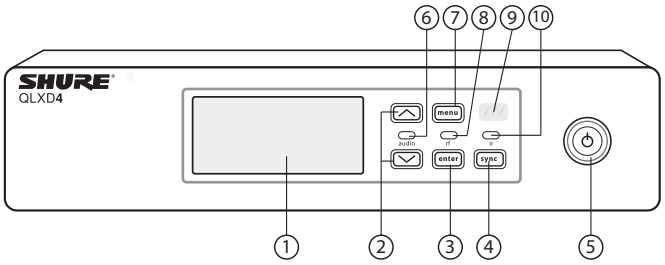
< 15 cm (6 in.)

4. sync good IR rf LED
IR IR IR



1. audio audio LED audio 3 audio LED
2.




6
7
8
9
10
SHURE
QLXD4
menu
audio
rf
v
enter
sync
1
2
3
4
5

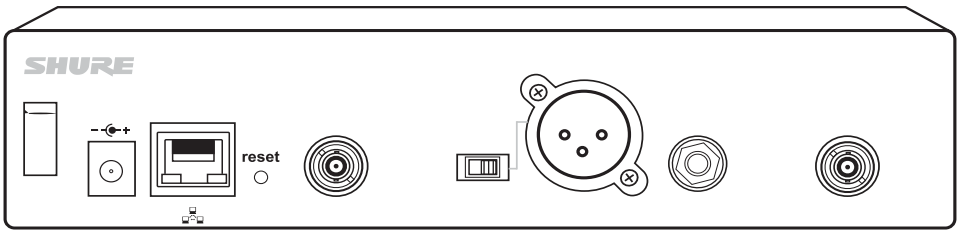
IR

- =
- =
- =

-
-
-

IR IR

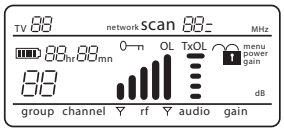
- IR
- IR


SHURE
reset

- LED
  = 10 Mbps = 100 Mbps
- LED
  = =
  =

BNC

1 2 + 3 -



OL =

- OL =
- TxOL =

1 dB

- menu
- power
- gain

(MHz)

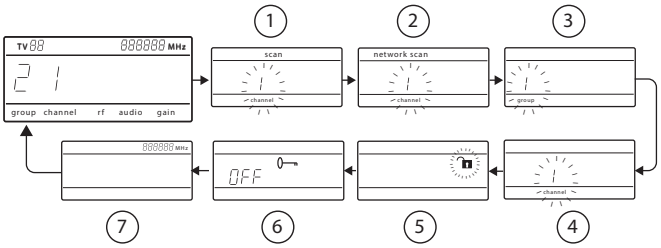
scan

network scan

“ ” 30

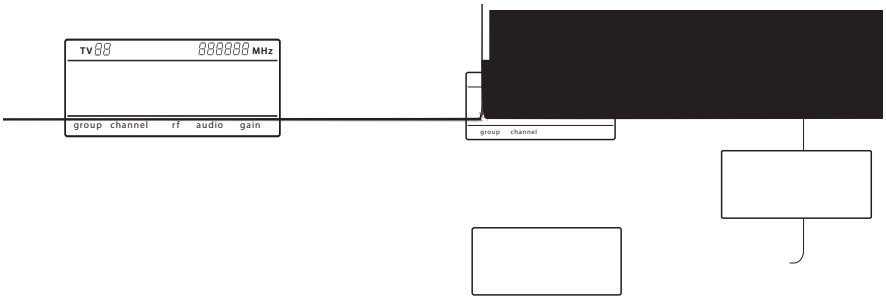
Shure SB900 :

menu menu



(on) (off)

menu enter menu



WWB ULXD6/ULXD8

“ ”

- HH BP =
- BN GN =

IP

IP

-
-
- enter
- menu
- menu enter
- menu

- =
- =

IR IR

menu =
▼▲ =
enter =

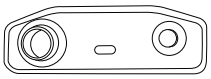
menu

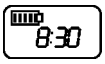
2 AA SB900

AA SB900

“ ”

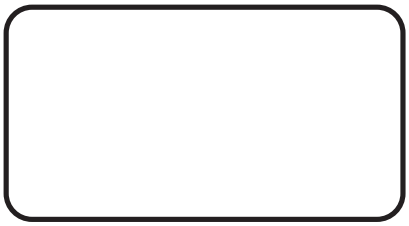
4 (TA4F)



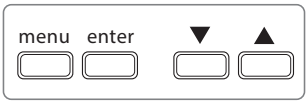
		

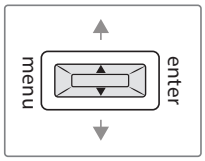
Lo Hi

mic offset 3 dB



- ▼▲
- enter
- menu





menu menu

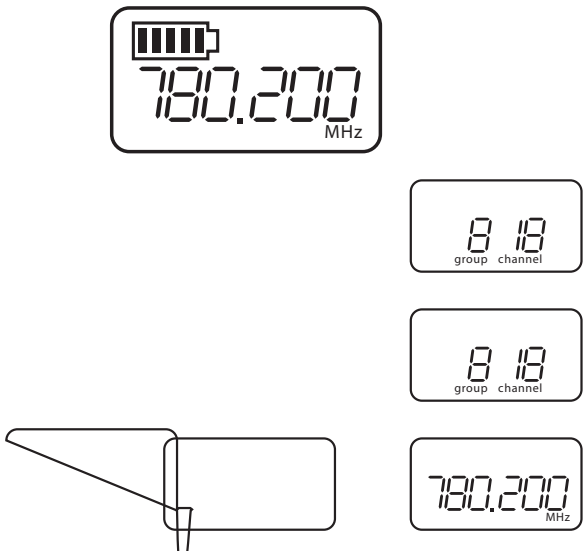
- /
- /
- / SB900

- On =
- OFF =

- = 1 mW
- = 10 mW

0 21 dB 3 dB

AA SB900



- menu menu
-
-
- enter
- menu

WWB6

- gain:
- menu: IR
- power:

1. menu
2.
3. enter

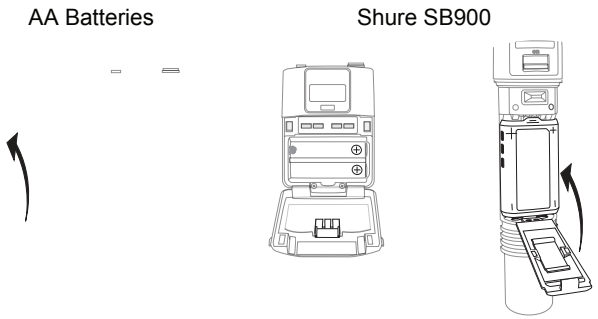
menu enter

1. gain power menu
2.
3. enter

On OFF

1. menu
2. on
3. enter

1. menu OFF
2. enter

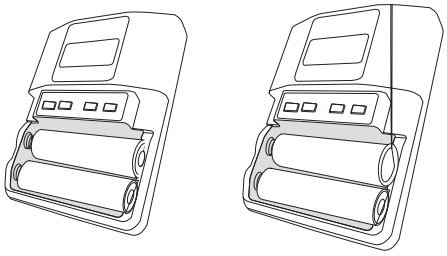


- **AA** AA
- **SB900** AA AA

AA

AA SB900

1. menu
2. ▼▲
   AL =
   nH =
   Li =
3. enter



Shure SB900 QLX-D 50%

Shure

=

1.
2.
3. LED

/	90%

-
- 40%
- 6 40%

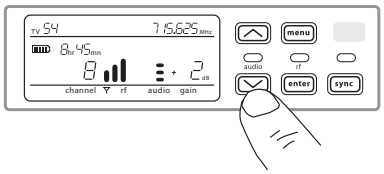
30

- SB900
- AA

1. menu enter
2. Alert
3. On Off
4. enter

- 1 dB
-

audio audio LED

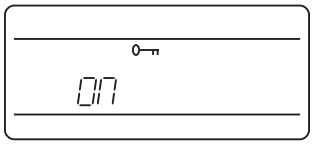


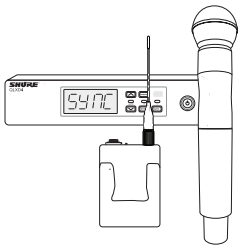
QLX-D (AES-256)
IR

1. menu
2. on =
   OFF =
3. enter
4. sync IR IR

IR

OFF IR
FAIL





< 15 cm (6 in.)

1. menu
2. OFF
3. enter
4. IR
   FAIL

off on IR

QLX-D

QLX-D 3

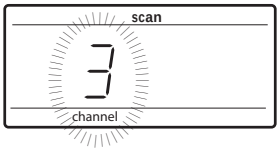
- **IR** IR

-
-

-
- CD LED

IR

1. Scan
2. enter
3.

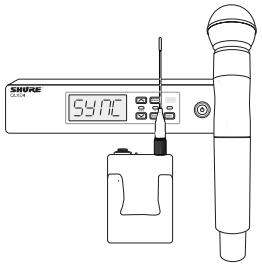


1.
2. 60
3.
4. menu network scan
   enter
5.
6. enter menu
7. LED

IR

1.
2. sync ir LED
3. <15 6 IR
   ir LED
4. sync good IR rf LED

IR IR IR

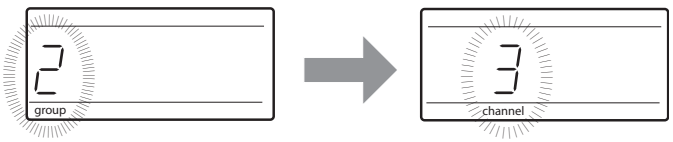


< 15 cm (6 in.)

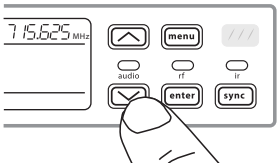
2 3 2 3

IR

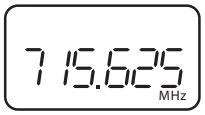
1. group
2.
3. enter
4. channel
5. enter



1. menu frequency
2.
3. enter

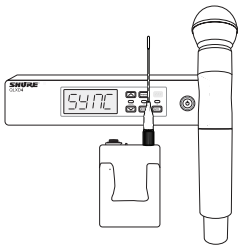


1. menu frequency
2.
3. enter



IR

1. IR
2.
3. IR
4.

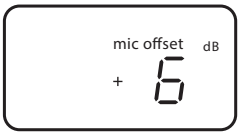


< 15 cm (6 in.)

Mic Offset

Mic Offset 0 dB

1.
2.
3. Mic Offset

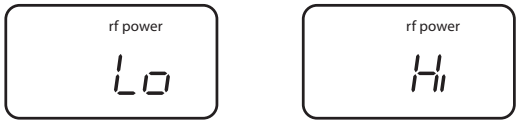


(RF)

- Lo = 1 mW
- Hi = 10 mW

Lo

1. rf power
2. Hi Lo
3. enter



QLX-D Axient AXT600
Axient

QLX-D ULX-D

- Off
- Off ULX-D
- QLX-D ULX-D IR

ULXD6 ULXD8 QLX-D Wireless Workbench

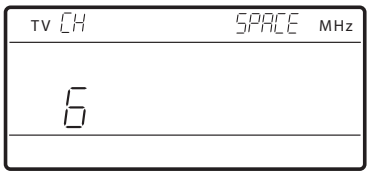
1. WWB
2. Apply QLX-D
3. enter menu
4. menu Preset bn gn

5.

QLX-D ULX-D 2.0

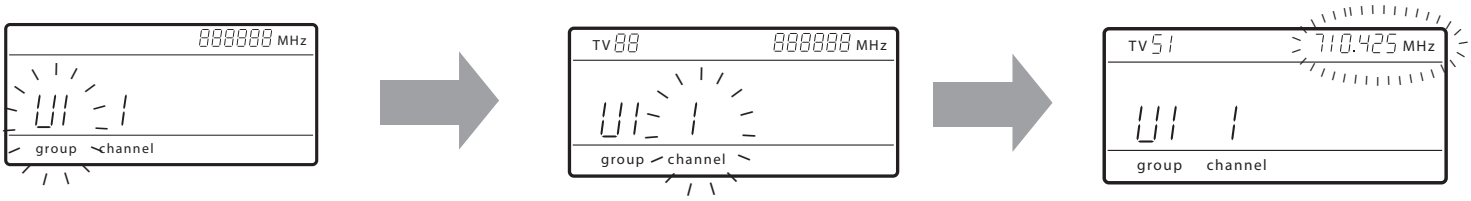
- 6 MHz
- 7 MHz
- 8 MHz
- 6 JP
- off

1. enter menu
2. menu TVCH
3.
4. enter



group

U1 U2 U3



6 U1 U2 U3 U4 U5 U6

1. menu enter
2. enter
3. U1 U6
4. enter

1. (1-60) 60
2. enter

1.
2. enter

enter 2 3 menu

Custom Group IR

1. menu enter
2. sync
3. IR
4. sync good IR

IR IR IR

1. menu enter
2. enter
3. DEL
4. enter

1.
2. ---.--- MHz
3. menu

“ ” WWB6 WWB6

DHCP
DHCP

1.
2.
3. LED

1. DHCP DHCP
2. DHCP IP

DHCP

- 5
- LED
- Shure
-
-

- DHCP
-
-
-

LED

WWB6

1. WWB6
2. IP
   WWB6 Ping
3. WINDOWS/MAC “ping IPADDRESS”
   “ping 192.168.1.100”
4. ping
   ping 100%
   IP

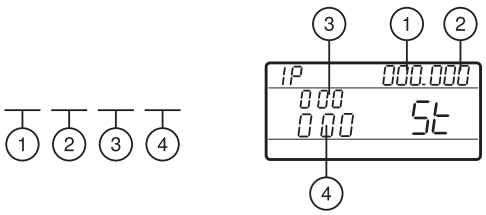
5. ping WWB6
   WWB

IP Wireless Workbench
6

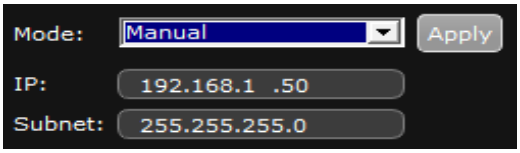
IP

IP 4 3

IP 4



1. menu menu
2. menu IP
3.



AMX Crestron http://shure.custhelp.com/

- TCP/IP QLXD
- 2202

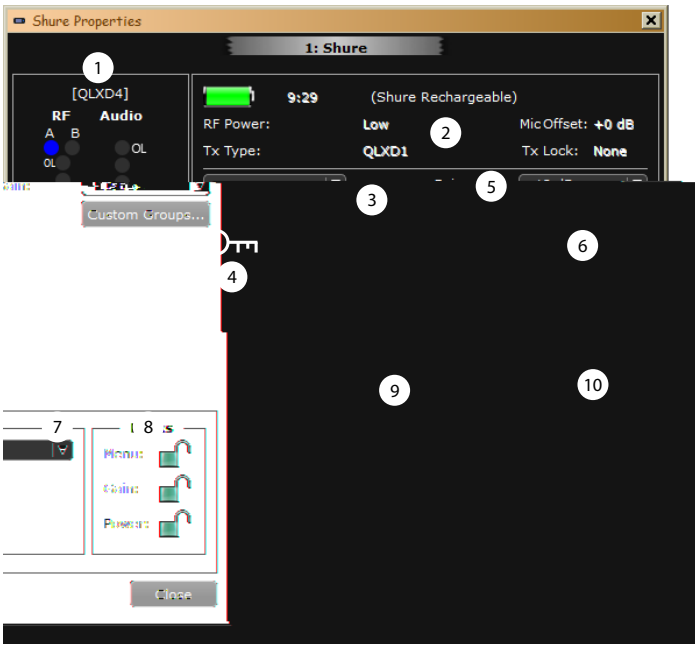
6 QLX-D

Shure 6 (WWB6) QLX-D
WWB6

www.shure.com/wwb Wireless Workbench

Monitor Settings
Properties

TV



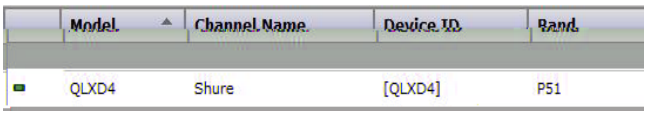
Inventory

IP MAC

LED

/

/ Menu Gain Power



WWB

enter 3 WWB
Dismiss

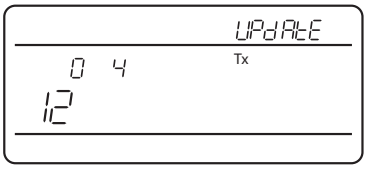
MAJOR.MINOR.PATCH 1.2.14

1.2.x

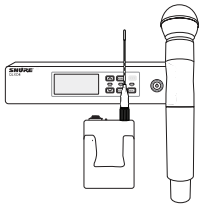
www.shure.com Shure Update Utility Shure Update Utility Shure Wireless Workbench

Shure Update Utility

1.
2. Shure Update Utility
3. firmware
4. Import
5. Update Device Version to install
6. Send Updates
7.

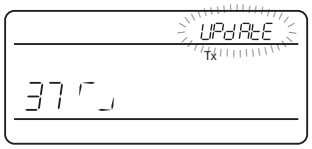


1. menu enter menu update



< 15 cm (6 in.)

2. HH BP =
   BN GN =
3. enter
4. IR LED IR LED
5. 0 100%



6. “TX Update good”
   Err. 09

FAIL	
"--"	IR

“ ”

IR

Custom Groups IR
Custom Groups

LED

mic/line

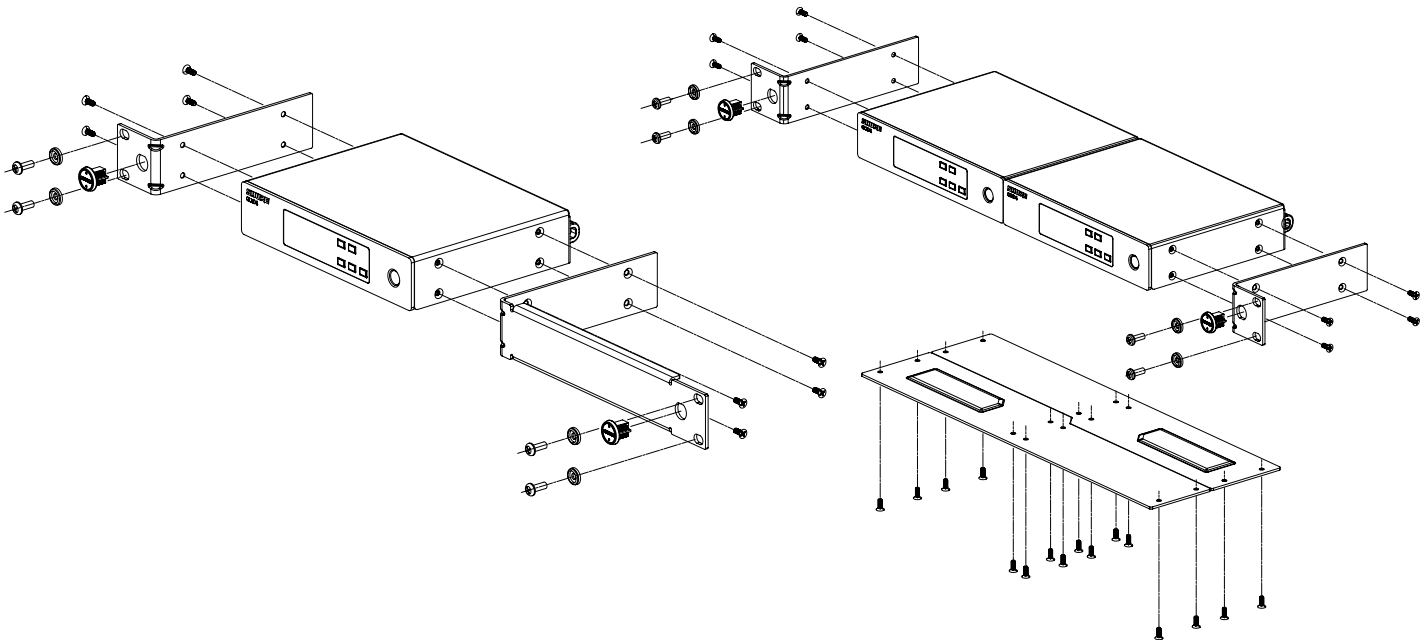
XLR

RF LED

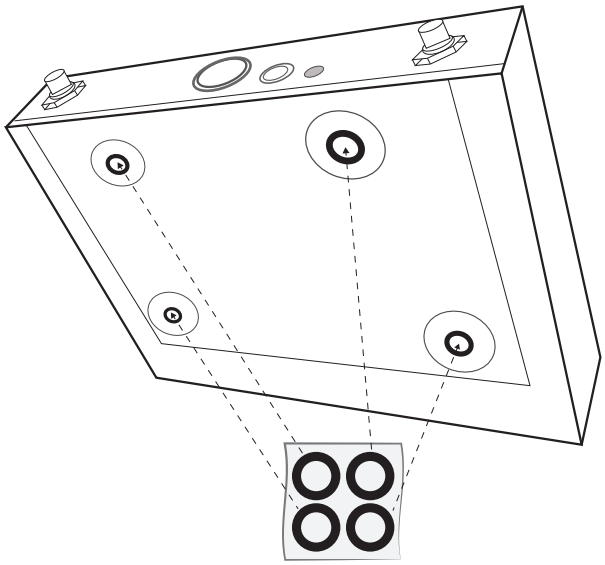
- “ ” “ ”
- G50 J50 L50
- IR
- CD (PSM)
- Hi
- OL
- Hi Lo
- 6 20

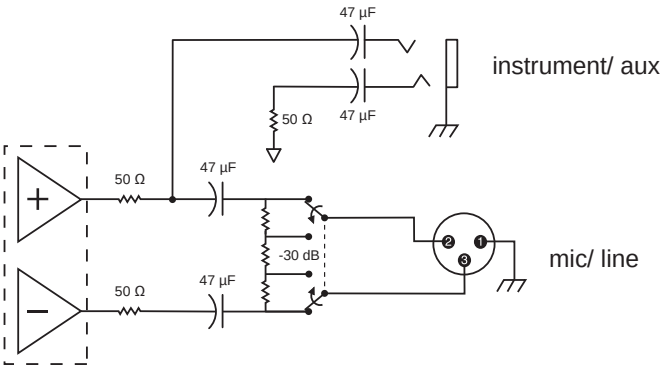
Err.001		
Err.002	Shure	Shure QLX-D ULX-D off
Err.003		IR
Err.004		
Err.005		
Err.006		WWB
Err.007		
Err.008	Shure SB900	
Err.009		HH BP = BN GN =

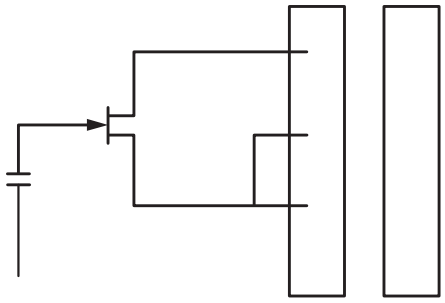
Hardware and Connectors



a
b




47 µF
47 µF
50 Ω
instrument/ aux
50 Ω
47 µF
-30 dB
50 Ω
47 µF
mic/ line



Shure	SB900
8 Shure	SB900-8
8 Shure	SBC800-US
PS45US	SBC200-US
	SBC200
	SBC100
Axient	SBC-AX
2 PS50US	SBC210
	SBC-DC

	UA845 E
	UA845 E "B"
	UA845J
UHF-R 470-952 MHz	UA845-SWB
UHF-R 470-952 MHz	UA845-SWB-AZ
UHF-R 470-952 MHz	UA845-SWB-BR
UHF-R 470-952 MHz	UA845-SWB-C
UHF -R 470-952 MHz	UA845-SWB-E
UHF-R 470-952 MHz	UA845-SWB-K
UHF-R 470-952 MHz	UA845US

UHF	UA844SWB/LC
UHF	UA844SWB/LC-AR
UHF	UA844SWB/LC-BR
UHF	UA844SWB/LC-AZ
UHF	UA844SWB/LC-C
UHF	UA844SWB/LC-E
UHF	UA844SWB/LC-J
UHF	UA844SWB/LC-K
UHF	UA844SWB/LC-UK

In-Line	UABIAST-US
	UABIAST-UK
	UABIAST-BR
	UABIAST-AR
	UABIAST-E
	UABIAST-CHN
	UABIAST-K
	UABIAST-J
	UABIAST-AZ
	UABIAST-TW

In-Line	792-810 MHz	UA830A
In-Line	470-698 MHz	UA830USTV
In-Line	500-900 MHz	UA830WB
In-Line		UA830X
	470-790MHZ	UA874E

470-698MHZ	UA874US
470-900MHZ	UA874WB
925-952MHZ	UA874X
PSM	PA805SWB
PSM	PA805X
	UA860SWB
UHF	UA221
2 2	UA600
	UA505
470-900MHZ	HA-8089
944-952MHZ	HA-8241

RG58C/U 50 BNC-BNC 2 0.6	UA802
RG58C/U 50 BNC-BNC 6 2	UA806
RG8X/U 50 BNC-BNC 25 7.5	UA825
RG8X/U 50 BNC-BNC 50 15	UA850
RG213/U 50 BNC-BNC 100 30	UA8100
8	C8006
3	C803
10	C810
100	C8100
25	C825
50	C850

470-542 MHz	UA8-470-542
500-560 MHz	UA8-500-560
518-598 MHz	UA8-518-598
554-638 MHz	UA8-554-638
596-698 MHz	UA8-596-698
670-742 MHz	UA8-670-742
690-746 MHz	UA8-690-746
694-758 MHz	UA8-694-758
710-790 MHz	UA8-710-790
740-814 MHz	UA8-740-814
750-822 MHz	UA8-750-822
774-865 MHz	UA8-774-865
00-1000 MHz	UA8-900-1000

SLX	WA610
	A1K
Shure	UAMS/BK

2.5 0.75 4 (TA4F) 1/4	WA302
2 0.7 4 (TA4F) 1/4 Shure	WA304
TQG	WA305
TQG	WA306
4 1.3 4 (TA4F) XLR (F) Shure	WA310
TA4F Shure In-Line	WA360
In-Line	WA661
Shure	WA371
Shure	WA620

	WA582B

Carrying CaseHard Carrying Case For SLX System	WA610
Anti-Roll Device for all Handheld MicrophonesAnti-Roll Device for Handheld Microphones	A1K
Shure	UAMS/BK
2.5 0.75 4 (TA4F) 1/4	WA302
2 0.7 4 (TA4F) 1/4 Shure	WA304
TQG	WA305
TQG	WA306
4 1.3 4 (TA4F) XLR (F) Shure	WA310
In-Line On/Off SwitchIn-line audio mute switch for Shure wireless bodypack transmitters with a TA4F connector.	WA360
In-Line	WA661
Securely mounts the Shure wireless hand-held transmitters to standard microphone stands.	WA371
Shure	WA620

2 BNC-BNC Coaxial Cable, BNC-BNC, RG58C/U TYPE, 50 OHM, 2 FT Length (0.6 M)	UA802
6 BNC-BNC Coaxial Cable, BNC-BNC, RG58C/U TYPE, 50 OHM, 6 FT Length (2 M)	UA806
25 BNC-BNC Coaxial Cable, BNC-BNC, RG8X/U TYPE, 50 OHM, 25 FT Length (7.5 M)	UA825
50 BNC-BNC Coaxial Cable, BNC-BNC, RG8X/U TYPE, 50 OHM, 50 FT Length (15 M)	UA850
100 BNC-BNC Coaxial Cable, BNC-BNC, RG213/U TYPE, 50 OHM, 100 FT Length (30 M)	UA8100
Ethernet Jumper Cable, 8"	C8006
Ethernet Cable, 3'Ethernet Cable, 3 FT.	C803
Ethernet Cable, 10'Ethernet Cable, 10 FT.	C810
Ethernet Cable, Ruggedized 100'Ethernet Cable, Ruggedized, 100 FT.	C8100
Ethernet Cable, Ruggedized 25'Ethernet Cable, Ruggedized, 25 FT.	C825
Ethernet Cable, Ruggedized 50'Ethernet Cable, Ruggedized, 50 FT.	C850

In-Line 792-810 MHz	UA830A
In-Line 470-698 MHz	UA830USTV
In-Line 500-900 MHz	UA830WB
In-Line	UA830X
470-790MHZ	UA874E
470-698MHZ	UA874US
470-900MHZ	UA874WB
925-952MHZ	UA874X
470-952 MHz 10 BNC BNC Directional Wideband Antenna for PSM Systems	PA805SWB
Passive Directional Antenna 944-952 MHzDirectional Wideband Antenna for PSM Systems	PA805X
Wideband Omnidirectional Antenna (470-1100 MHz)Passive Omnidirectional Antenna	UA860SWB
/ UHF Passive Antenna Splitter	UA221
2 2	UA600
1/2 Remote Antenna Bracket With BNC Bulkhead Adaptor	UA505
PWS 480-900 MHzHelical Antenna, 470-900MHZ	HA-8089
Helical Antenna, 944-954 MHzHelical Antenna, 944-952MHZ	HA-8241

UHF	UA844SWB/LC
UHF	UA844SWB/LC-AR
UHF	UA844SWB/LC-BR
UHF	UA844SWB/LC-AZ
UHF	UA844SWB/LC-C
UHF	UA844SWB/LC-E
UHF	UA844SWB/LC-J
UHF	UA844SWB/LC-K
UHF	UA844SWB/LC-UK

	UA845 E
	UA845 E "B"
	UA845J
UHF-R 470-952 MHz	UA845-SWB
UHF-R 470-952 MHz	UA845-SWB-AZ
UHF-R 470-952 MHz	UA845-SWB-BR
UHF-R 470-952 MHz	UA845-SWB-C
UHF -R 470-952 MHz	UA845-SWB-E
UHF-R 470-952 MHz	UA845-SWB-K
UHF-R 470-952 MHz	UA845US

Shure	SB900
8 Pack Shure Lithium-Ion Rechargeable Batteries8-Pack Shure Lithium-Ion Rechargeable Batteries	SB900-8
8 Shure	SBC800-US
PS45US	SBC200-US
	SBC200
	SBC100
Axient	SBC-AX
2 PS50US	SBC210
SB900 Bodypack Power Insert	SBC-DC

470–937.5 MHz, ( )

100 (328)

0

0

25 ,

>70 dB,

-97 dBm 10-5 BER

<2.9

QLXD1	20 – 20 (±1 dB)
QLXD2	

@ +10

>120 dB, A- ,

−12 dBFS , @ +10

<0.1%

2 6.35 1/4 XLR 3

-18°C (0°F) 50°C (122°F)

1

-29°C (-20°F) 74°C (165°F)

2

		mW	**mW**	**mW**
470 940	10:15	6:30	11	5:30
174 216	9:10	6:30	9	5:45
1,240 1,260	8:05	6:30	7:30	5:30

41 x 197 x 151 (1.63 x 7.75 x 5.94), x x

777 (1.71),

1

2

12 V DC @ 0.4 A,

>80 dB,

BNC

50 Ω

-18 +42 dB 1 dB

1/4" (6.35 mm)	(= = =)
XLR	(1 = 2 = + 3 = −)

1/4" (6.35 mm)	100 Ω (50 Ω)
XLR	100 Ω

1/4" (6.35 mm)	+12 dBV
XLR	LINE = +18 dBV, MIC = -12 dBV

30 dB

1/4" (6.35 mm)	
XLR	

10/100 Mbps

DHCP IP

100 (328)

0 21 dB (3 dB)

Shure SB900 1.5

86 x 65 x 23 (3.38 x 2.57 x 0.92) x x ,

138 (4.9),

4 TA4M ,

1 MΩ,

1% THD 1

8.5 dBV (7.5 Vpp)

≥ +20

-120 dBV, A- ,

SMA

1/4

50 Ω

<200

1 mW 10 mW

3

3 ,

0 21 dB (3 dB)

Shure SB900 1.5

269 x 51 (10.6 x 2.0) x

307 (12.1),

1% THD 1

145 (SM58),

4

<200

1 mW 10 mW

5

		(mW)*
G50	470 534	1 / 10
G51	470 534	1 / 10
G52	479 534	1 / 10
G62	510 530	1 / 10
H50	534 598	1 / 10
H51	534 598	1 / 10

4

5 ,

		(mW)*
H52	534 565	1 / 10
H53	534 598	1 / 10
J50	572 636	1 / 10
J51	572 636	1 / 10
JB	806 810	1 / 10
K51	606 670	1 / 10
K52	606 670	1 / 10
L50	632 696	1 / 10
L51	632 696	1 / 10
L52	632 694	1 / 10
L53	632 714	1 / 10
P51	710 782	1 / 10
P52	710 782	1 / 10
Q51	794 806	1 / 10
S50	823 832 863 865	1 / 10
V50	174 216	1 / 10
V51	174 216	1 / 10
X51	925-937.5	1 / 10
X52	902 928	1 / 10
X53	902 907.500 915 928	1 / 10
X54	915 928	1 / 10
Z17	1492 1525	1 / 10
Z18	1785 1805	1 / 10
Z19	1785 1800	1 / 10
Z20	1790 1805	1 / 10

6

Z17 (1492-1525 MHz)

Z19 (1785-1800 MHz) 2015 30 C
1790-1800 MHz

A, B, BG, CH, CY, CZ, D, DK, EST, F	*
FIN, GB, GR, H, HR, I, IRL, IS, L, LT	*
M, N, NL, P, PL, RO, S, SK, SLO, TR	*
All other countries	*

6 *

* This equipment may b

* This equipment may be

A, B, BG, CH, CY, CZ, D, EST
F, GB, GR, H, I, IS, L, LT
NL, P, PL, S, SK, SLO
RO
DK, E, FIN, HR, IRL, LV, M, N, TR
All other countries

* This equipment may be capable of operating on some frequencies

DK, E, FIN, HR, IRL, LV, M, N, TR	*
All other countries	*

* This equipment may be capable of operating on some frequencies not authorized in your region. See Licensing Information.

A, B, BG, CH, CY, CZ, D, DK, E, EST	*
F, FIN, GB, GR, H, HR, I, IRL, IS, L, LT	*
LV, M, N, NL, P, PL, S, SK, SLO, TR	*
All other countries	*

* This equipment may be capable of operating on some frequencies not authorized in your region. See Licensing Information.

D	license free
A, B, BG, CH, CY, CZ, D, DK, EST, F	*
FIN, GB, GR, H, HR, I, IRL, IS, L, LT	*
M, N, NL, P, PL, RO, S, SK, SLO, TR	*
863 - 865 MHz	EU: license free
All other countries	*

* This equipment may be capable of operating on some frequencies not authorized in your region. See Licensing Information.

ICES-003 CAN ICES-3 (B)/NMB-3(B)

- 2008/34/EC WEEE 2002/96/EC
- RoHS 2011/65/EU

Shure Incorporated 2014/53/EU http://www.shure.com/europe/com-pliance

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EMEAsupport@shure.de

74

IC RSS-102 RSS-210

IC 616A-QLXD1G50 616A-QLXD1H50 616A-QLXD1J50 616A-QLXD1L50 616A-QLXD2G50 616A-QLXD2H50 616A-QLXD2J50 616A-QLXD2L50

FCC:DD4QLXD1G50 DD4QLXD1H50 DD4QLXD1J50 DD4QLXD1L50
DD4QLXD2G50 DD4QLXD2H50 DD4QLXD2J50 DD4QLXD2L50

IC 616A-QLXD1X52 616A-QLXD2X52

FCC: DD4QLXD1X52 DD4QLXD2X52

IC 616A-QLXD1V50 616A-QLXD2V50

FCC: DD4QLXD1V50 DD4QLXD2V50

V50 V51
-6 dBi -4 dB

15 (DoC)

IEC 60065