



AD651B

Talk Switch

Shure user guide for AD651B talk switch.
Version: 6 (2019-J)

Table of Contents

AD651BTalk Switch	3	Switch Installation	5
IMPORTANT SAFETY INSTRUCTIONS	3	Choosing Receiver Audio Output Routing	6
Warning:	4	Assigning a Talk Switch to a Transmitter	7
AD651B Talk Switch	4	Routing the Audio Output with the Talk Switch	8
Battery Installation	4	Specifications	9
		Certifications	10

AD651B



Talk Switch

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:

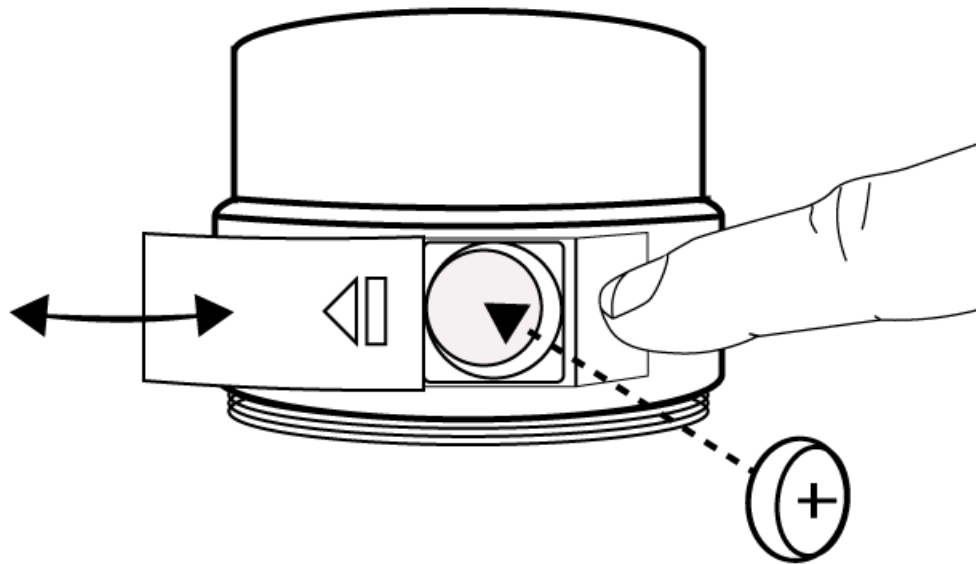
- Do not ingest the battery, chemical burn hazard.
- This product contains a coin/button cell battery, if coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
- If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.
- Keep new and used batteries away from children.
- If the battery compartment does not close securely, stop using the product and keep it away from children.
- Risk of explosion if the battery is replaced by an incorrect type. Replace only with same or equivalent type.
- Battery packs shall not be exposed to excessive heat such as sunshine, fire, or the like.
- These servicing instructions are for use by qualified service personnel only. To reduce the risk of electronic shock do not perform any servicing other than contained in the operating instructions unless you are qualified to do so.
- Please follow your regional recycling scheme for batteries, packaging, and electronic waste

AD651B Talk Switch

Adding a talk switch to Axient Digital ADX series transmitters adds remote push-button routing options for the audio outputs of Axient Digital AD4 receivers. To activate audio routing, press and hold the talk switch button.

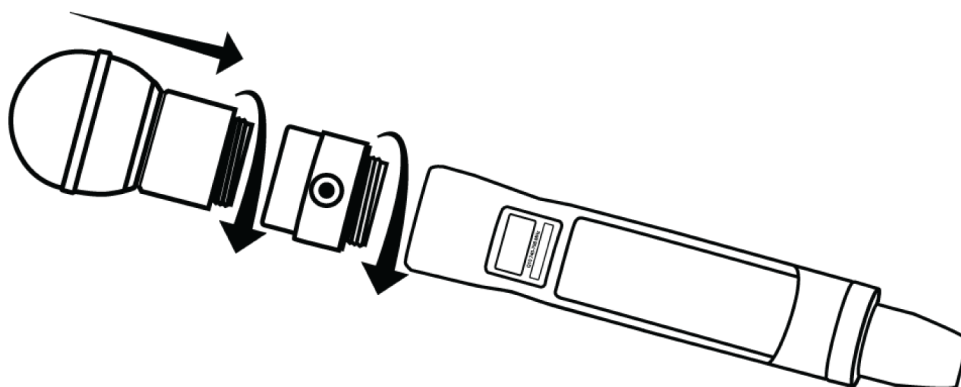
Battery Installation

Install the battery to power the talk switch.



1. Press the latch release button to open the battery cover.
2. Insert the battery with the polarity as shown.
3. Close the battery cover.

Switch Installation



1. Thread the microphone cartridge on to the talk switch.
2. Thread the switch on to the transmitter body.

Tip: Rotate the switch ring to align with the display.

Choosing Receiver Audio Output Routing

Talk switch routing is configured in the channel menu of the receiver.

The configuration options let you switch the following receiver outputs by pressing the button:

- XLR
- TRS
- AES3
- Dante

1. From the channel menu of the receiver select: *Advanced > Talk Switch/Output Routing*.
2. Use the control wheel to select output routing options:
 - *Normal*: Output will follow the *On/Off* selections when the button is released
 - *Pressed*: Output will follow the *On/Off* selections when the button is pressed
3. Select *Exit* to save and return to the channel menu.

1 <u>Talk Switch/Output Routing</u>				
STD G55	<u>XLR</u>	<u>TRS</u>	<u>AES3*</u>	<u>Dante</u>
NORMAL:	Off	On	On	On
PRESSED:	On	Off	On	On

* AES3 switch is off, AES3 1&2 and 3&4 are muted.

Note: In the example shown, pressing the button turns on the XLR output and turns off the TRS output.

Assigning a Talk Switch to a Transmitter

To enable remote control, the talk switch needs to be assigned using the *Talk Sw* parameter of the transmitter menu.

1. Navigate to the *Utilities* menu of the transmitter and select *Talk Sw*.
2. Select *O* to add a talk switch.
3. Press the talk switch button twice to assign the talk switch. The display will show the talk switch model name to confirm assignment.
4. Press the talk switch button to confirm control. The talk switch icon and battery status will appear with each push of the button.



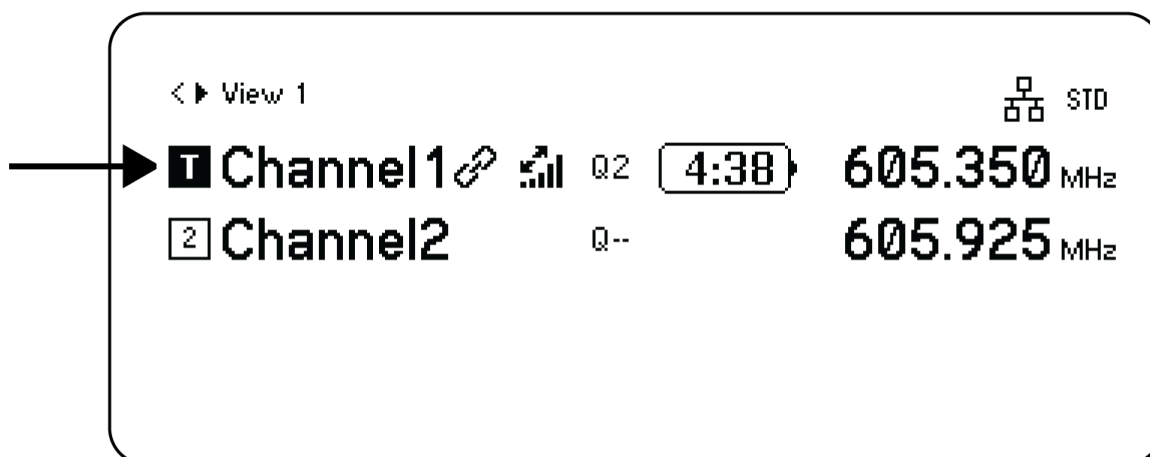
5. Select *X* to exit.

Tip: To unassign a talk switch, highlight the switch name in the transmitter *Talk Sw* menu and select *v*. Press *O* to confirm.

Routing the Audio Output with the Talk Switch

When the talk switch is pressed, the receiver audio is routed to the selected output. Releasing the switch returns the routing to the normal signal paths.

Tip: The color of the channel icon on the receiver display inverts when the talk switch is pressed.



Specifications

Diameter

40 mm (1.57 in.) O.D.

Height

39 mm (1.53 in.)

Weight (without batteries)

57 g (2.0 oz.)

Housing

Aluminum

Button

Molded Plastic

Battery Type (not included)

SR44 or equivalent (1.55 V DC)

(Silver oxide recommended; avoid zinc air types)

Operating Temperature Range

-18°C (0°F) to 42°C (107.6°F)

Performance of coin cell batteries are sensitive to cold temperature extremes (< 0C). In these conditions, consider using Shure's AD651FOB for applications requiring talk switch functionality.

Storage Temperature Range

-29°C (-20°F) to 74°C (165°F)

Battery characteristics may limit this range

RF Output

Zigbee Dual Conformal

Network Type

IEEE 802.15.4

RF Output Power

-25 dBm EIRP

Certifications

Certified under FCC Part 15.

Certified by ISED in Canada under RSS-247.

FCC ID: DD4AD651B, DD4AD651FOB. **IC:** 616A-AD651B, 616A-AD651FOB.

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.

Meets essential requirements of the following European Directives:

- Radio Equipment Directive 2014/53/EU
- EMC Directive 2014/30/EU
- WEEE Directive 2012/19/EU
- RoHS Directive EU 2015/863

Note: Please follow your regional recycling scheme for batteries and electronic waste

- General Safety Product Directive 2001/95/EC

This product meets the Essential Requirements of all relevant European directives and is eligible for CE marking.

Hereby, Shure Incorporated declares that the radio equipment is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://www.shure.com/europe/compliance>

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