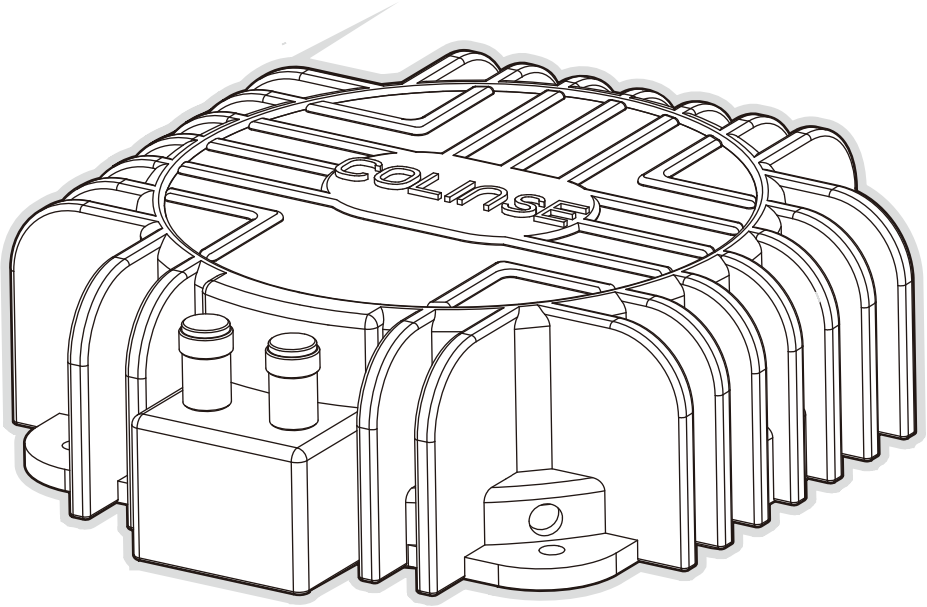
USER GUIDE

4D Tactile Transducer System

4DS101DG

For KRATOS | ASHUR Gaming Chair



COLINSE

NEW DIMENSION

IMPORTANT

- DO NOT expose the system to extreme temperatures.
- To prevent the battery from exploding, DO NOT place the system near heat sources or fire.
- Only clean the system using a soft, dry cloth.
- The system IS NOT waterproof. DO NOT store or use the system close to places that contain or are exposed to raindrops, coffee, water, perspiration, steam, or excessive humidity.
- To avoid interference, bad reception, or transmission loss of the wireless system, DO NOT store or use the system near a magnetic device.
- Only use a voltage appropriate for the power adapter supplied with the package. Higher voltages may cause fire, electrical shock, or otherwise destroy the system.

.

WARNING

- DO NOT attempt to repair, reassemble, or disassemble the system or even remove the guarantee sticker! These actions will void the warranty and all associated coverages.
- To replace the lithium-ion battery, only use a certified battery pack from the manufacturer and strictly adhere to the instructions highlighted in this guide.

NOTICE

Information in this guide can be subjected to alteration without any prior notice.

Chapter 1- Getting Started

1.1 Model Descriptions

4DS101-DG	Standard, LI-ION Battery-Powered Tactile Transducer System
4DS101-DGS	Advanced, Add Stereo Speakers
4DS101-DGST	Advanced, Add Stereo Speakers and Bluetooth Transmitter

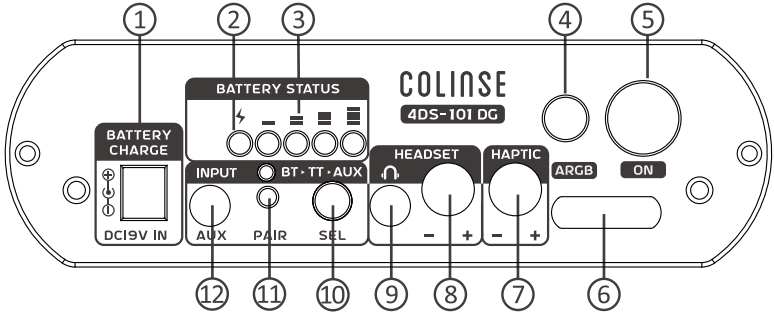
1.2 What's in the Package

1	Universal Power Adapter	Input AC100V-240V Output DC19 V1.89A
2	User Guide	

Chapter 2- Descriptions of Components

2.1 4D Tactile Transducer System

Model: 4DS101DG



Battery Charge & Status

① DC Charge Port: Certified DC19V Adapter only

② LED Charge Indicator: RED blinking- Charging

③ LED Battery Status Indicators:
LED ●●●● 75%+ charge
LED ●●●○ 50% to 75% charge
LED ●●○○ 25% to 50% charge
LED ●○○○ Below 25% charge

Power and Logo RGB strip

④ ARGB: Logo strip color switch button (limited models only)

⑤ Power ON button: Blue light when on

⑥ Antenna Area: Do not block with any object to avoid bad reception

Level and Volume Control

⑦ Transducer Haptic Control Knob

⑧ Music Volume Control Knob

⑨ Headset Jack

Audio Input

⑩ Mode Selection: Press for 1 second to switch to the next mode.
Sequential order: Bluetooth > Tactile Transmitter> Auxiliary
The default preset is Bluetooth. The system will memorize the previously used preset.

⑪ PAIR Button:
The white LED light on the top of the PAIR button will blink when switched to Tactile Transmitter Mode.
A long press of 3 seconds on the PAIR button will make the system enter pairing status. Refer to the Basic Operation section for details on transmitter pairing.

⑫ AUX：1/8" Auxiliary jack.

Chapter 2- Descriptions of Components

2.2 Battery and Charge

The 4DS101 system is powered by a lithium-ion rechargeable battery installed in the chair seat.

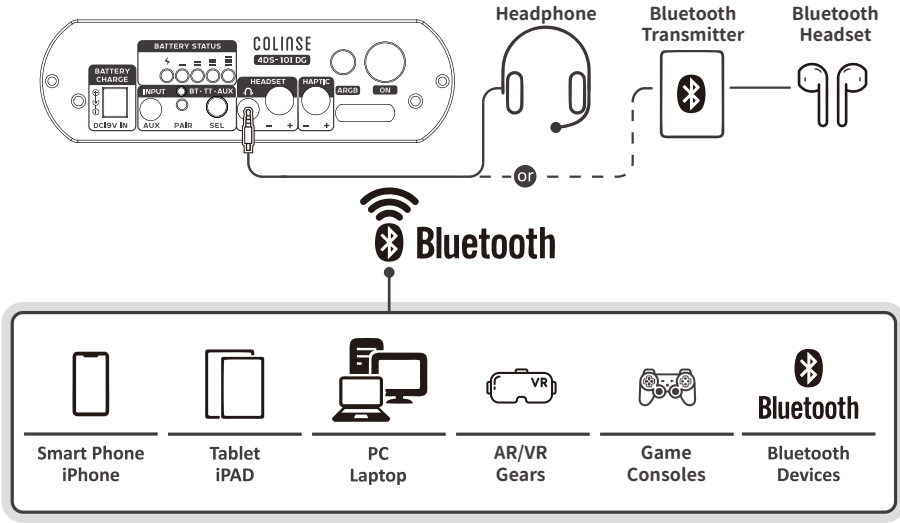
Ensure that this battery pack is fully charged before first use. Use the certified 19VDC power adapter supplied with the package at all times. When charging the battery, the LED indicator displays a blinking RED light. When fully charged, the RED light will be turned off, and four GREEN LED indicators will light up. If only one GREEN LED indicator is lit up, the system will need to be charged as soon as possible

It is possible to use the 4DS101 system when the control unit is connected to the power adapter.

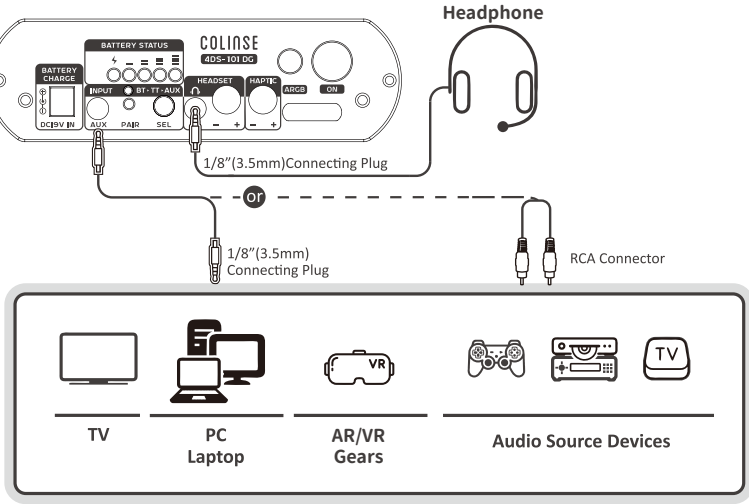
The battery pack can be recharged at any time; it **DOES NOT** have to be completely discharged before charging. Keeping the battery charged and used periodically will increase its performance and lifetime. Repeated full battery discharges must be **AVOIDED**.

Chapter 3- Connecting to Audio Source

3.1 Bluetooth Mode

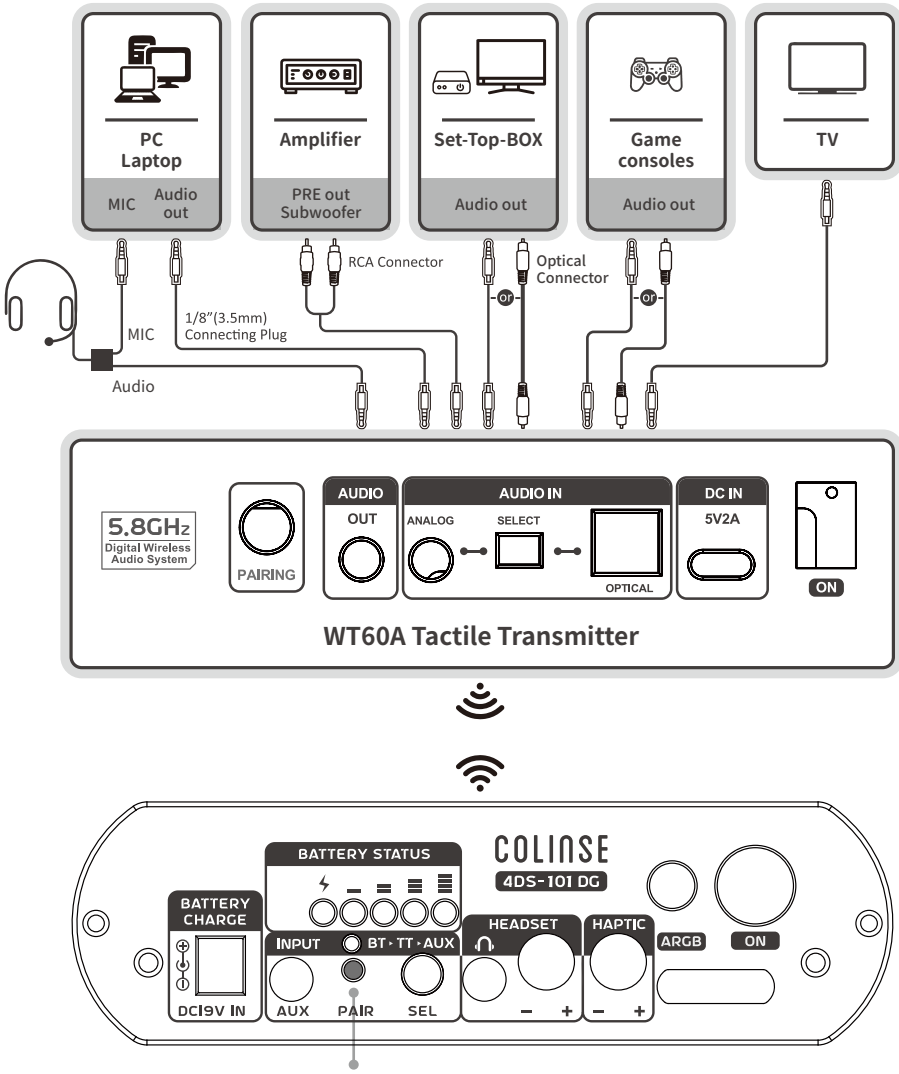


3.2 Auxiliary Mode



Chapter 3- Connecting to Audio Source

3.3 Tactile Transmitter (TT) Mode



The white LED will light on
when switched into Tactile Transmitter Mode

Chapter 4- Basic Operations

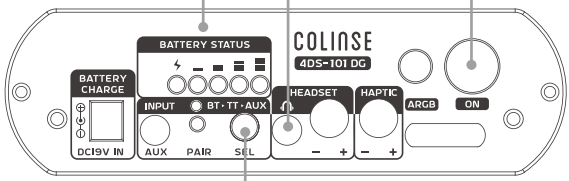
4.1 Basic Operation of 4DS System

STEP 1- Turn the System ON

1. Plug a headset into the headphone jack. If you are using Bluetooth headphones and connecting to model 4DS101-DGST's embedded Bluetooth transmitter, the system will need to be turned on first.

2. Push and lock the ON button.When the power is switched on, the blue LED will light up, and the system will make a "KRATOS Activated" sound.

3. The battery status LEDs will display the current power when the system is switched on.



STEP 2- Choose the Input Source

4. The 4DS101 system offers 3 modes: Bluetooth, Tactile Transmitter (TT), and Auxiliary. Pressing the SEL button for 1 second will switch to the next mode sequentially. The system will issue a sound corresponding to each mode accordingly.

5. For Bluetooth Mode, the audio source needs to pair to Bluetooth ID "KRATOS". If the Bluetooth ID does not appear, please turn off the Bluetooth mode and turn it back on to search for the ID. Since Bluetooth can only connect to one device at a time, any pre-existing connections to the Bluetooth device will need to be withdrawn to allow the audio source to connect to the 4DS101.

6. When entering Tactile Transmitter mode, the LED light on top of the PAIR button will blink. Once the Tactile Transmitter WT60A turns on, the LED light will display a constant white light, which indicates that pairing and linking were successful. Remember that the 4DS101 must be paired with the Tactile Transmitter before its first use.

7 When entering Auxiliary Mode, please connect the audio source to the 4DS101 via a 1/8" mini plug.

.

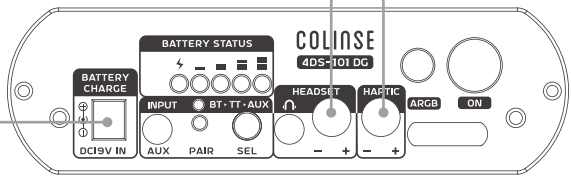
Chapter 4- Basic Operations

STEP 3- Volume Adjustment

8. Use the **HAPTIC** knob to adjust the haptic level of the transducers.

9. Use the **HEADSET** knob to adjust the music volume. The phone jack supports TRRS headsets.

10. It is recommended to set the input source volume to a high level and use the knobs to adjust the volume to a suitable level.



STEP 4- Power and Protection

11. If you plan to use the 4DS101 system for a long session, you can plug in the DC power adapter to simultaneously play and charge.

12. If the 4DS101's control unit experiences overheating or excessive current, the in-built protection system will automatically turn it off. Once this occurs, you need to switch off the power button and plug in the DC power adapter for 2-3 minutes before turning the system's control unit on again.

STEP 5- Pairing with Tactile Transmitter WT60A

Note Tactile Transmitter mode will receive audio from the WT60A Tactile Transmitter. This transmitter needs to be purchased separately.

13. Turn the power on in the control units of both the 4DS101 and WT60A.

14. Switch to Tactile Transmitter Mode on the 4DS101 system. Press the PAIR button for 3 seconds. The white LED light will blink, and a beeping sound will follow.

15. Press the PAIR button for 5 seconds. The logo light on the front panel of the transmitter will blink to indicate that pairing mode has been entered.

16. Once the LEDs stop blinking and are constantly lit, the pairing is complete, and the link is ready.

Chapter 5- Trademark & Warranty

5.1 Trademark

4DS, KRATOS, ASHUR, and COLINSE are exclusively registered trademarks of Colinse Inc. worldwide. All other trademarks stated in this Guide are properties of the respective owners.

5.2 Product Warranty

The 4DS101 system has a one-year warranty against manufacturing or material defects from the purchase date. However, this restricted warranty is considered void under any of the conditions below;

- The system/product is destroyed or damaged by improper operation, accident, negligence, unreasonable use, misuse, or other causes.
- The warranty sticker or serial number tag is removed or altered.
- The system/product is tampered with or modified.

This product's warranty covers the Control Unit of the 4DS101 System, WT60A Transmitter, Power Adapters, Lithium Battery Pack, and Transducers. Colinse worldwide will be responsible for repairing the system at no cost within the warranty period. Kindly contact the customer support team (support@colinse.com) or the local reseller for further information about the warranty.

Limited Liability

Colinse will not under any circumstances be liable for any damages whatsoever, including any special, indirect, incidental, consequential, or exemplary damages resulting from the use or loss of use of the product, due to any cause, even if Colinse has been advised of the possibility of such damages. In any event, Colinse's total liability to you for all damages (Whether based on contract, tort, or other theories) will be limited to the amount you actually paid for the product during the month in question. Some states and jurisdictions do not allow the limitation or exclusion of liability for incidental or consequential damages, so the above limitation may not apply to you.

Chapter 6- Troubleshooting

■ The system does not work after being powered on.

A. Check whether the battery status lights are on or off. If all are off, charge the battery ASAP.
B. Check whether the input source has successfully linked with the 4DS101 system. Is the volume of the source too low?
C. Adjust the headphone/haptic knobs to higher levels.
D. Reopen the control unit.

■ The Bluetooth ID does not appear on the device.

A. Confirm that the 4DS101 is in Bluetooth mode.
B. Check whether another device has overridden the Bluetooth link.
C. Switch off the device' s Bluetooth button and switch it on again to search.
D. Turn off the 4DS101 control unit and turn it on again to search for the Bluetooth ID.

■ No response in Tactile Transmitter mode.

A. Check whether the LED light is a constant white light. A blinking light indicates that the pairing has been unsuccessful.
B. Check whether the transmitter has connected to the audio source and whether the switch is in the correct position.
C. Check whether the source volume of the transmitter is too low.

■ Battery Charging - All green LED lights are off after plugging in the power adapter.

If the battery has been fully discharged, the Green LED lights will begin lighting up sequentially after 1 hour when their respective voltage levels are reached. A blinking red light means that the battery is charging.

■ Battery Charging – Red LED charging light is not blinking when charging.

Make sure to use the certified power adapter supplied with the package.
It is possible to damage or burn the control unit if power adapters from other brands are used or the wrong input voltage is applied.

■ System turns off suddenly.

A. Check whether the battery charge level is too low (one green LED light only).
Charge the battery immediately if the battery is low.
B. If the system experiences overheating or excessive current, the in-built protection system will automatically turn it off. Once this occurs, you need to switch off the power button and plug in the DC power adapter for 2-3 minutes before turning the system's control unit on again.

Contact customer service (support@colinse.com) **if the above steps do not solve your problem.**

Chapter 7- Product Specifications

General	
System Placement	Control Unit in Right side of Seat
	Transducers Installed in Seat and Backrest
	Battery Pack Installed in Bottom of Seat
Material	Aluminum Alloy

Tactile Transducer TTD100A	
Power Output	Peak 100W, RMS 50W
Frequency Range	20Hz ~ 120 Hz
Nominal Impedance	4 Ω

Audio System	
Audio Connectivity	Tactile Transmitter
	Bluetooth 5.0 + EDR
	AUX, Ø1/8-inch (3.5mm) Jack
Headset Connectivity	Output Ø1/8-inch (3.5mm) Jack, TRRS
Control Knobs	Haptic Level and Headphone Volume

Power System- 4DS101	
Battery Connectivity	Rechargeable Lithium-ION Battery
Battery Pack	14.8V 5200mAh, 4Hours Charging Time
Battery Charging	DC19V1.89A Universal Power Adapter
	Input 100-240VAC, 50-60Hz

Wireless Audio System WT60A	
Operating Frequency	5740 - 5840 MHz
Latency	5.8 ms
Receiving Range	32-48FT (10-15m), Line-of-Sight
Audio Input	Ø1/8-inch (3.5mm) Stereo Jack
	Optical S/PDIF Jack
Additional Output	Ø1/8-inch (3.5mm) Jack
Power Input	DC5V2A Micro USB Connection

Product Warranty Card

Product	4DS101 Tactile Transducer System
Model	4DS101DG/4DS101DGS/4DS101DGST
Serial Number	
Purchase Date	
Warranty	ONE YEAR
NOTE	
1. The warranty of this product covers the Control Unit of 4DS101, WT60A Tactile Transmitter, Power Adapter, Lithium Battery, and Transducers. 2. This warranty does not apply to product failure caused by accidents, abuse, mishandling, improper installation, alterations, act of nature, improper usage, or problems with electrical power. 3. Disassemble, repair, reassemble the device , or remove the warranty sticker, any of these actions will void the warranty and any	
STAMP	

www.colinse.com

COLINSE

NEW DIMENSION

COLINSE INC

www.colinse.com

HEAD OFFICE

Floor C, 2 ChungYang 1st Street
Xindian, New Taipei City
Taiwan 23150

Email: support@colinse.com

製造商：科林創新股份有限公司
新北市新店區中央一街2號C樓

客服專線：(02) 2218-5272
客服信箱：support@colinse.com

Copyright @ 2023 All Rights Reserved

FCC Caution:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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 receiver.

-- Connect the equipment into 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.

To maintain compliance with FCC’s RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.