

## Quick Start Guide

This quick start guide contains important information on the safe operation of the product. Read and follow the safety advice and instructions given. Retain the quick start guide for future reference. If you pass the product on to others please include this quick start guide.

## Safety instructions

### Intended use

This device is meant to be used for wireless transmission of audio signals with microphone level. Any other use or use under other operating conditions is considered to be improper and may result in personal injury or property damage. No liability will be assumed for damages resulting from improper use.

### Danger for children



Ensure that plastic bags, packaging, etc. are disposed of properly and are not within reach of babies and young children. Choking hazard! Ensure that children do not detach any small parts (e.g. knobs or the like) from the unit. They could swallow the pieces and choke! Never let unattended children use electrical devices.

### Electromagnetic compatibility with other electrical equipment

Using the device near radios or TV sets may cause interference. Then increase the distance between the devices.

### Incorrect handling of lithium batteries can result in injury

- In the event of a short circuit, overheating or mechanical damage, lithium batteries can cause severe injuries.
- When handled correctly and appropriately lithium batteries pose no risk.
- Store lithium batteries in a cool, dry place, ideally in the original packaging.
- Store lithium batteries away from heat sources (e.g. radiators or sunlight). Lithium batteries are hermetically sealed. Never attempt to open a lithium battery.
- If the battery housing is damaged small amounts of the electrolyte may leak out. If this should happen, seal the lithium battery in airtight packaging and wipe up the traces of electrolyte using absorbent paper towels. You must wear protective rubber gloves when doing so. Clean your hands and the affected surface thoroughly with cold water.
- Never attempt to recharge non-rechargeable lithium batteries. When charging lithium batteries you must use a suitable charging device intended for the purpose.

- Before disposing of the device remove the lithium batteries. Protect used lithium batteries against potential short circuits, e.g. by covering the poles with adhesive tape.
- Only use powder extinguishers or other suitable extinguishing agents to extinguish a burning lithium battery.

### Possible damage due to incorrect storage

- Deep discharge can cause batteries to become permanently damaged or lose some of their capacity.
- Before prolonged rest periods, charge the batteries to around 50% of their capacity and then switch the equipment off. Store the equipment at a temperature between 10°C and 32°C in as dry an environment as possible. During extended storage periods, charge the batteries to 50% approximately every three months.
- Only fully charge the batteries at room temperature just before use.

### Where to use the product

Never use the product

- in direct sunlight
- in conditions of extreme temperature or humidity
- in extremely dusty or dirty areas
- at locations where the unit can become wet
- near magnetic fields

### General handling

- To prevent damage, never use force when operating the switches and controls.
- Never immerse the appliance in water. Just wipe it with a clean dry cloth. Do not use liquid cleaners such as benzene, thinners or flammable cleaning agents.

### Keep foreign substances from the unit!

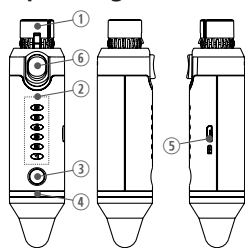
Keep the device away from containers with liquids. Should any liquid get into the unit, this could lead to its destruction or fire. Be sure not to let any metal objects into the unit.

## Features

- Attachment system for dynamic microphones
- Ready-to-use set of transmitter and receiver, auto-pairing
- 2.4 GHz band suitable for worldwide license-free operation
- 24 bit / 44.1 kHz high-definition audio quality

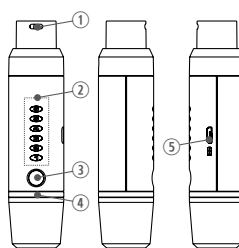
- Built-in lithium-ion rechargeable battery
- Charging via supplied micro USB cable
- LED indicators for charge status and current channel group
- Adapter from XLR to 3.5 mm mini jack included

## Operating elements



### Transmitter

1. XLR connector socket
2. Channel indicator
3. On / off button
4. RF status LED ring
5. Micro-USB port
6. XLR socket lock



### Receiver

1. XLR connector plug
2. Channel indicator
3. On / off button
4. RF status LED ring
5. Micro-USB port



For the transport and protective packaging, environmentally friendly materials have been chosen that can be supplied to normal recycling. Ensure that plastic bags, packaging, etc. are properly disposed of. Do not just dispose of these materials with your normal household waste, but make sure that they are collected for recycling. Please follow the notes and markings on the packaging.



Remove replaceable lithium batteries from the device before disposal. Protect used lithium batteries from short circuits, for example by covering the poles with adhesive tape. Permanently installed lithium batteries must be disposed of together with the device. Please inquire about a suitable acceptance point.

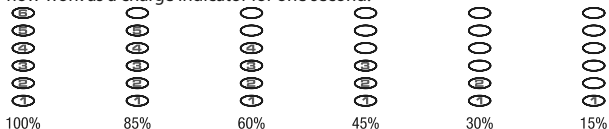


This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE) in its currently valid version. Do not dispose of your old device with your normal household waste. Dispose of this product through an approved waste disposal firm or through your local waste facility. Comply with the rules and regulations that apply in your country. If in doubt, consult your local waste disposal facility.

## Using the device

### Switching on / off

- To turn on the devices, press their on / off buttons ③. Channel indicators ② will now work as a charge indicator for one second:



If the charge state drops below approx. 10 %, the RF status LED ring ④ flashes red twice and the device shuts off automatically.

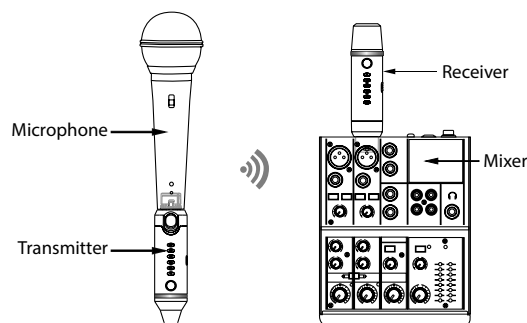
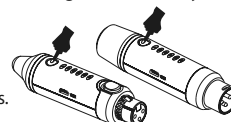
- To charge the built-in battery, connect the micro-USB jack ⑤. Use the supplied USB cable with a powered-on computer or other USB charging source. During charging, the RF status LED ring ④ lights red. When charging has finished, the RF status LED ring ④ lights up blue. If the devices are not in use for a long time, fully charge the batteries every three months.

### Connecting and pairing devices

- Plug the XLR socket of the transmitter into the XLR connector of the microphone. Plug the XLR plug of the receiver into the XLR input of a mixer or similar device for further signal processing (see the figure on the right).
  - After switching on both devices, they perform an automatic pairing and select a suitable channel group. Wait until the RF status LED ring ④ of the transmitter lights up blue. The pairing is now complete and the devices display the currently used channel group.
- To avoid interference, keep the devices at least 3 meters away from other transmission equipment such as WiFi routers, etc.

### Auto Standby

- If the transmitter is not connected to a microphone 30 seconds after power is turned on, or if the input signal remains off for 30 seconds, the transmitter and the paired receiver automatically switch to standby mode to conserve battery power. When the signal returns, both devices switch on again immediately.
- If the transmitter is not connected to a microphone for 1 hour after power is turned on, or if the input signal remains off for 1 hour, both devices will switch off completely. To turn them back on, press the on / off button ③ of both units.



## Technical specifications

### Receiver

|                                 |                                                                                                                         |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Max. number of parallel systems | 6 systems                                                                                                               |
| Output connections              | 1 × XLR male                                                                                                            |
| Output level adjustment         | ./.                                                                                                                     |
| Frequency of operation          | 2.404 – 2.439 GHz                                                                                                       |
| Bandwidth                       | Wireless transmission<br>2.55 MHz<br>Audio<br>20 – 20 kHz                                                               |
| Sensitivity                     | -90 dBm                                                                                                                 |
| Antenna gain                    | 2.85 dBi                                                                                                                |
| Total harmonic distortion (THD) | 0.05 %                                                                                                                  |
| Signal-to-noise ratio           | > 110 dB (A)                                                                                                            |
| Latency                         | < 3.5 ms                                                                                                                |
| Battery                         | Battery type<br>Lithium-ion<br>Voltage<br>3.7 V<br>Capacity<br>700 mAh<br>Operating time<br>7 h<br>Charging time<br>3 h |
| Dimensions (W × H × D)          | approx. 108 mm × 26 mm × 26 mm                                                                                          |
| Weight                          | 130 g                                                                                                                   |
| Ambient conditions              | Temperature range<br>0 °C...40 °C<br>Relative humidity<br>20 %...80 % (non-condensing)                                  |

### Transmitter

|                                 |                                                                                                                         |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Input connections               | 1 × XLR female                                                                                                          |
| Frequency of operation          | 2.404 – 2.439 GHz                                                                                                       |
| Max. transmission power         | 10 mW                                                                                                                   |
| Input level max.                | +6 dBV                                                                                                                  |
| Bandwidth                       | Wireless transmission<br>2.55 MHz<br>Audio<br>20 – 20 kHz                                                               |
| Input impedance                 | 4 kΩ                                                                                                                    |
| Range (free field)              | 30 m                                                                                                                    |
| Total harmonic distortion (THD) | 0.05 %   THD+N < 0,2 %                                                                                                  |
| Signal-to-noise ratio           | > 110 dB (A)                                                                                                            |
| Battery                         | Battery type<br>Lithium-ion<br>Voltage<br>3.7 V<br>Capacity<br>700 mAh<br>Operating time<br>7 h<br>Charging time<br>3 h |
| Dimensions (W × H × D)          | approx. 108 mm × 26 mm × 26 mm                                                                                          |
| Weight                          | 130 g                                                                                                                   |
| Ambient conditions              | Temperature range<br>0 °C...40 °C<br>Relative humidity<br>20 %...80 % (non-condensing)                                  |