

# AERO<sup>TM</sup> AE-1 Wireless Controller

## USER MANUAL

AERO AE-1 User Manual rev. 1.0.7, November 2015

### CONGRATULATIONS!

You are now the owner of an AERO AE-1 wireless controller!



The AERO lets you control the parameters and presets of existing and future Aalberg Audio effects pedals. Like the EK-1 EKKO<sup>TM</sup> Delay Pedal, RO-1 ROM<sup>TM</sup> Reverb Pedal or the TR-1 TRYM<sup>TM</sup> Tremolo Pedal (effects pedals purchased separately).

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## **FCC Statements**

### **15.19 (a)(3):**

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.

### **15.21:**

Unauthorized changes or modifications not expressly approved by Aalberg Audio could void the user's authority to operate the equipment.

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**Included in this package:**

- AERO AE-1 Wireless Controller
- Quick start guide
- USB charging cable
- Velcro pads - 1 black, 1 transparent
- Surface cleaner sachet
- Mounting clip

**1. GETTING STARTED**

You can attach the AERO to your guitar strap or belt using the included clip with Velcro. Alternatively, you can mount the AERO directly to your guitar by using the included Velcro pads (1 black, 1 transparent).

NB! Remember to clean properly with the attached Surface cleaner sachet before applying it to the surface of your guitar. General instructions on mounting: clean properly and let dry, apply the Velcro. After 24 hours in room temperature, the bonding strength is 90 %. For more detailed information about this, please go to:

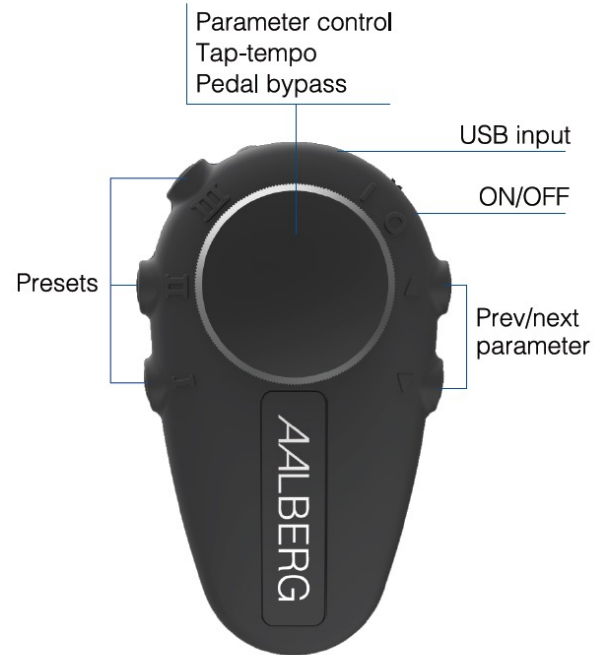
*Surface\_Preparation\_for\_VHB\_Tape\_Applications* at [www.aalbergaudio.com/support](http://www.aalbergaudio.com/support)

## 2. CONTROLS

<i>ON/OFF</i>	Turn the power on/off
<i>PRESETS</i>	<p>Store/recall your favorite settings including: parameter levels, bypass status for pedal (on/off), active parameter for wireless control (FX-SELECT)</p> <ul style="list-style-type: none"> <li>- STORE: Press and hold one of the three preset buttons ('I', 'II' or 'III') for 2 seconds (Pedal will light up for one second to indicate that the preset has been stored)</li> <li>- RECALL: Press one of the preset buttons to recall the previously stored preset</li> </ul>
<i>PREV/NEXT</i>	Toggles between the different parameters of the effects pedals to choose which parameter to be active for wireless control from the AERO rotary knob. Active parameter name is lit up on the pedal.
<i>ROTARY KNOB</i>	Increase/decrease the value of the chosen effect parameter
<i>ROTARY KNOB PUSHBUTTON</i>	<p>The rotary knob button has two main functions:</p> <ul style="list-style-type: none"> <li>- TAP tempo for time-based effect parameters (eg. Delay Time): click the button two times to set the timing (eg. Spacing between echoes for delay effect)</li> <li>- BYPASS toggle for active* effects pedal: Press and hold button for 2 seconds to toggle between bypass ON and OFF</li> </ul>

	(*The pedal with an active parameter lit)
<i>USB INPUT</i>	Use the attached USB-cable to charge your AERO's rechargeable battery using a standard 5V cell phone charger or one of the USB ports on your computer

### 3. OVERVIEW



## 4. SPECIFICATIONS

Power	5V rechargeable Lithium-ion polymer battery, 200 mAh (typical)
Battery life	Up to 30 hours
Battery charging time	Approx. 2 hours
Range (wireless transmission)	Up to 30 meters (98 feet)
Connector	USB input (micro USB) for battery charging
Controls	Presets (I, II, and III), prev/next parameter, power ON/OFF, rotary knob, rotary know pushbutton
Led Indicator	<ul style="list-style-type: none"> <li>- Pairing mode status</li> <li>- Software update status</li> <li>- Battery charging status</li> </ul> (see more details in the following pages)
Dimensions (W x H x D) (H: incl knob and Velcro)	44 x 36 x 74 mm / 1.73 x 1.42 x 2.91 inches
Weight (excl. clip and packaging)	0.040 kg / 1.41 oz
Weight (incl. accessories and packaging)	0.141 kg / 5.0 oz



## 5. BATTERY

The AERO uses a 5V rechargeable Lithium-ion polymer battery (included).

We have added some battery power to get you started (approx. 45% battery capacity), but make sure you fully charge your AERO before your next gig! Charging time is approx. 2 hours.

You can charge it through the USB-input found on the back of the AERO using a standard micro-USB cable (included in the AERO package). Connect the AERO to a 5V cellphone charger or one of the USB-ports of your computer.

The LED on the back of the AERO indicates the status of the charging\*:

Green LED: charging in progress

After a while the LED turns off, which means the battery is fully charged.

\*If you do not turn the AERO on while charging, the battery will still be charged, but you need to turn it on to be able to see the status of the charging.

## 6. SOFTWARE UPDATE

Some features, like the option of using one AERO to control several pedals, is available as a software update. Therefore we recommend that you update your Aalberg effects pedal. Here is how you do it:

NB! The Aalberg Updater App will be available soon through App Store

### A) Aalberg Effects Pedals

1. **Tablet/Iphone:** Visit Apple App Store or Google Play and download the app named "Aalberg Update"
2. **Pedal:** Press and hold both ON/OFF and FX-SELECT footswitch while plugging in the power.
3. **Tablet/Iphone:** After your device has connected with the pedal choose "update".

### B) AERO Wireless Controller

1. **Tablet/Iphone:** Visit Apple App Store or Google Play and download the app named "Aalberg Update"

2. **AERO:** Press and hold the preset '3' button and knob button while simultaneously turning the unit on (slide switch set to '1').  
B – 2) Set AERO in update mode
3. **Tablet/Iphone:** After your device has connected with the AERO choose "update".



**Set pedal in update mode**



**Set AERO in update mode**

For more information, please visit: [www.aalbergaudio.com/support](http://www.aalbergaudio.com/support)

## 7. WIRELESS CONTROL – PAIRING

Before you can control your AALBERG pedal(s) with the AERO Wireless Controller, you need to pair the devices.

**(NB! Option B) will be available as a software update soon! Go to the article: *Software Update*, for more info.)**

### A) One AERO Wireless Controller to one Aalberg Effects Pedal

1. AERO: Turn off (slide switch set to '0')
2. Effects pedal: Unplug power adaptor
3. Effects pedal: Press and hold FX-SELECT footswitch while plugging in the power (LEDs will start blinking)
4. AERO: Press and hold left button and knob button while simultaneously turning the unit on (slide switch set to '1').
5. AERO: Press and hold the AERO knob button for 2 seconds then release it. To confirm syncing turn the AERO off and on.
6. Voilà: Pairing complete!

### B) One AERO Wireless Controller to several Aalberg Effects Pedals\*

1. AERO: Turn off (slide switch set to '0')
2. Effects pedals: Unplug power adaptor for all pedals to be paired.
3. AERO: Press and hold left button and knob button while simultaneously turning the unit on (slide switch set to '1')
4. Effects pedals: Leftmost pedal: Press and hold FX-SELECT footswitch while plugging in the power (LEDs will start blinking)
5. Effects pedals: repeat step 4) for the rest of the pedals from left to right
6. AERO: Press and hold the AERO knob button for 2 seconds then release it. To confirm syncing turn the AERO off and on
7. Voilà: Pairing complete!

\*8 pedals maximum

For more information, please visit: [www.aalbergaudio.com/support](http://www.aalbergaudio.com/support)

## 8. DISCLAIMERS

All use of our products is undertaken at your own risk and expense and Aalberg Audio cannot be held liable for any direct or indirect losses or cost incurred through use, default or malfunction of our products. Repair or replacement of defective units under our warranty provisions serve as the sole remedy in the unlikely event that our products does not comply with product specifications.

Aalberg Audio accepts no liability for any damages made to persons or equipment when attaching or removing the industry velcro (AERO accessory).

## 9. WARRANTY

ONLY SEND PRODUCTS THAT:

- YOU HAVE TESTED YOURSELF
- ARE FOLLOWED BY A COPY OF THE RECEIPT
- ARE FOLLOWED BY AN EXPLANATION OF THE FAILURE

We offer a 2-year warranty on all our products. In the unlikely event of a malfunction, please contact us at [support@aalbergaudio.com](mailto:support@aalbergaudio.com) before sending us the product for repair. When the product has been returned to us at the cost of the sender, we will repair or replace your product

and send it back to you - free of charge and usually within 4 weeks (shipping not included). The product needs to be accompanied by a copy of your receipt, serial number, return address, phone number, e-mail address and a brief explanation of the problem. If the product is altered or repaired by someone unauthorized by Aalberg Audio the warranty is no longer valid. Stores and distributors must always check products before sending them to Aalberg Audio for repairs. Please note that we cannot replace a product before we have received it here in Trondheim, Norway.

## 10. HISTORY

The inspiration for the delay pedals with wireless controller came to guitar player and inventor Rune Aalberg Alstad back in 2009, when he was tired of having to run over to the pedals and bend down all the time to change the effect settings. In 2012 he met the engineer Torkild Indstøy and the entrepreneur Aleksander Torstensen, and five years later, after lots of testing and prototyping we are proud to introduce the world's first EKKO EK-1 Delay Pedal with the AERO AE-1 Wireless Controller. (Below you can see the different development stages (from left to right): "*The Coffee Filter*", 2010 – "*The Tank*", 2012 – "*Prototype 3*", 2013, "*Prototype 4*, 2014" - The final product, 2015)





## 11. IPR-RELATED

Design Protection pending in EU & USA

International Patent pending PCT/NO2014/050236

## 12. COMPLIANCE

Aalberg Audio accept and follow these regulations and directives.



FCCID : 2AFRR-020000

## 13. ABOUT AALBERG AUDIO

Aalberg Audio AS is located in Trondheim, Norway. We produce wireless guitar effects with accompanying hardware and software. Please don't hesitate to contact us if you have any questions or inquiries! Visit: [www.aalbergaudio.com](http://www.aalbergaudio.com)



[www.aalbergaudio.com](http://www.aalbergaudio.com)

Trondheim  
NORWAY

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