

Optional accessories: Maxon AC adaptor

model name	input	output	country	polarity
AC2009*1	100VAC to 240VAC	9VDC/2000mA	worldwide	 center-/sleeve+
AC210N	120VAC	9VDC/200mA	USA, Canada	
AC210U	220VAC		Europe (except UK)	
AC210UK	230VAC	UK		
AC210	100VAC	10VDC/200mA	Japan	
AC310	100VAC	10VDC/300mA	Japan	

*1 Plug type of AC2009 varies with the suffix as shown below.
Please specify exact model (like AC2009AN, AC2009C) when ordering.

suffix	country	suffix	country
AN	Australia, New Zealand	U	Austria, Belgium, Denmark, Finland, France, Germany, Italy, Netherlands, Norway, Sweden, Switzerland, etc.
C	China	UK	UK
J	Japan		
K	South Korea		
N	USA, Canada		



If you want to dispose this product, do not mix with general household waste.
There is a separate collection system for used electronics products in accordance with legislation under the WEEE Directive (Directive 2002/96/EC) and is effective only within European Union.

FCC Class B Equipment, United States Only.

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 causes harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try correct the interference by one or more of 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 that is different from that to which the receiver is connected.
- Consult the dealer or an experienced radio or television technician for help.

Declaration of conformity for products marked with the FCC logo, United States only. This device complies with Part 15 of 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.

For questions regarding this FCC declaration, contact us by mail, phone or e-mail:

MAXON United States distributor:
Godlyke, Inc. P.O. Box 3076 Clifton, NJ 07012 USA
Phone: 973-777-7477

E-mail: info@godlyke.com
MAXON / NISSHIN ONPA CO., LTD.
E-mail: sales@maxon.co.jp

To identify this product, refer to the model number found on the product.



BBD
ANALOG



User's Guide

◆ SAFETY PRECAUTIONS ◆

To assure safe operation of the equipment, please make sure to read these precautions prior to use.

Keep this User's Guide on hand for future reference whenever you need it.

Maxon shall not be held liable to you or any third party for any losses caused by incorrect operation of this equipment, malfunction or any other failure of this equipment to operate as expected, or normal use of this equipment, except to the extent stipulated by law.

Maxon shall not be held liable to you or any third party for any losses related to concerts, exhibitions, or any other type of event due to malfunction or incorrect operation of this equipment.

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ALL SPECIFICATIONS ARE SUBJECT TO CHANGE FOR IMPROVEMENT WITHOUT NOTICE OR OBLIGATION.

● SAFETY PRECAUTIONS ● Please be sure to observe.

The safety precautions listed below are intended to ensure your safety whenever you use the equipment.

■ Precaution text is generally accompanied by the following symbols to alert you and others to the risk of personal and material injury that may be caused if the precaution is ignored.

Warning This symbol indicates an item that can result in death or serious personal injury if ignored.

Caution This symbol indicates an item that can result in serious personal injury or material damage if ignored.

■ Precaution text is generally accompanied by the following icons to alert you and others to things you should or should not do.

..... A triangle indicates something you should be careful about.

..... A circle with a line through it indicates something you should not do.

..... A black circle indicates something you must do.

Warning



NEVER OPEN THE CASE

• Never try to remove the bottom cover and to modify the equipment. (Internal components of the equipment use high voltages, and exposing them creates the danger of fire and electrical shock.)



STOP THE USE IN CASE OF A PROBLEM

• Stop using the equipment whenever you notice smoke or a strange odor coming from it.
• Contact your original dealer or nearest authorized service provider for service.



Immediately unplug AC adaptor from the power source

Warning



BEWARE OF HEAT BUILD-UP

• Never cover AC adaptor with cloth or other objects.
(Build up heat creates the danger of the equipment deformation and fire.)



Caution



USE SPECIFIED AC ADAPTOR ONLY

• Be sure to use only the AC adaptor specified in this User's Guide. Use of non-specified AC adaptors creates the danger of fire and electrical shock.



UNPLUGGING AC ADAPTOR

• Never try to unplug AC adaptor while your hands are wet. Doing so creates the danger of electrical shock.
• When unplugging AC adaptor from the power source, be sure to grasp the adaptor. Never pull on the cord. Doing so can damage the power cord and create the danger of fire and electrical shock.



WATER, HUMIDITY, DUST AND HIGH TEMPERATURES

• Never leave or use the equipment in bathrooms, the outdoors or other areas subject to water, high humidity, dust and high temperature. Doing so creates the danger of fire and electrical shock.



LEAVING THE EQUIPMENT UNATTENDED

• Whenever leaving the equipment unattended for long periods, be sure to unplug AC adaptor from the power source. If not, there is a danger of fire.

ANALOG DELAY AD10

- Offers distinctive analog delay sound with warm but forceful tone. Creates natural reverb effect which does not interfere with original sound.
- Max. delay time 600mSec. is available in spite of the compact enclosure. Offers usable delay settings, even in slow ballad.
- Low-noise design with no distortion. Creates clear and brilliant delay sound for every note, which is also available when combined with overdrive or distortion pedal.

FEATURES AND CONTROLS

①INPUT(input jack)

Input jack to connect to the output of guitar, other effects or related equipment. The product automatically turns on when a plug is inserted into this jack. When not in use, disconnect plug from input jack to preserve battery life.

②OUTPUT(output jack)

Output jacks to connect to input of amplifier or other effects.

③DELAY

Controls delay time from 35mSec. to 600mSec. Turn it clockwise for longer delay time.

④REPEAT

Controls the number of repeats from only one at the minimum setting to infinite repeats in the fully clockwise position. (The fully clockwise position at a short delay time setting causes a self-oscillation, which you can cut off by simply turn down this volume.)

⑤BLEND

Controls the level of delay signal. The delay level is reduced to zero in the fully counterclockwise position and is turned up to match the volume of the dry signal in the fully clockwise position.

⑥FOOTSWITCH

(bypass/effect switch)

Switch for effect on/off. Employs a buffered bypass for noise-free switching. Stepping on this switch alternately turns effects on (LED on) and off (LED off).

⑦INDICATOR

(bypass/effect LED indicator)

The LED lights when effect is on. The light is turned off at bypass status. LED brightness synchronizes with battery condition.

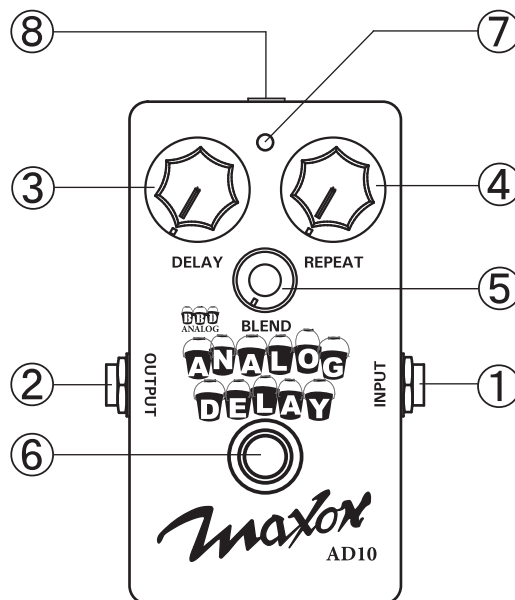
⚠ No LED light indicates the battery is low or not installed. In this case replace the battery.

⑧DC INPUT (power input jack)

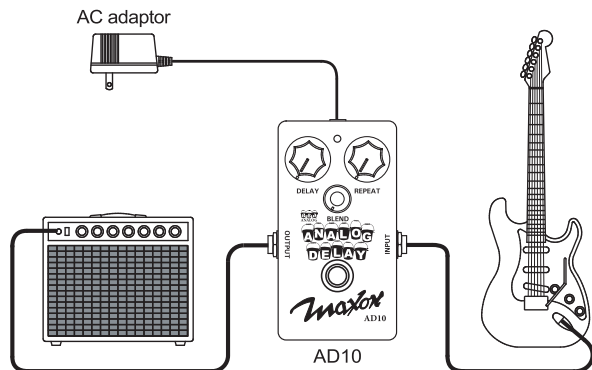
Jack for connection of external power supply to effect.

⚠ * Turn down amplifier's volume to the minimum before connecting AC adaptor to the product in order not to damage other connected equipment.

- True analog delay with BBD ICs. Distinctive analog aggressive feedback playing is possible.
- LEDs to indicate bypass/effect and battery condition for trouble-free performance.
- Two-way power operation, using 9V battery or optional AC adaptor.
- Made in Japan.



CONNECTION DIAGRAM



SPECIFICATIONS

Input Impedance	: 500k ohms
Output Impedance	: 10k ohms
Control	: DELAY, REPEAT, BLEND
Switch	: Bypass/Effect
Indicator	: Bypass/Effect LED
Equivalent Input Noise	: -95dB or less (Input shorted, IHF-A weighted)
Delay Time	: 35mSec to 600mSec
Power Supply	: 6F22/6LF22 9V battery x 1 or Maxon AC adaptor
Power Consumption	: 30mA max./ 9VDC
Battery Life	: 9VDC manganese battery 16.5 hours 25 deg C (FUJITSU 6F22) : 9VDC alkaline battery 33.5 hours 25 deg C (TOSHIBA 6LF22)
Dimensions	: 70(W) × 113(D) × 56(H)mm (with protrusion)
Weight	: Approx. 330g (incl. battery)
Accessory	: 6F22 9V battery x 1, operating manual

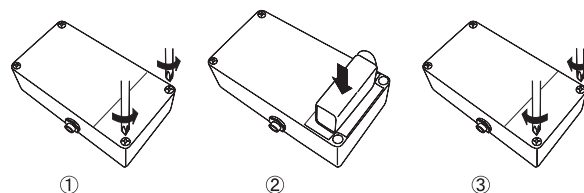
*0dB=0.775Vrms.

*All specifications are subject to change for improvement without notice or obligation.

BATTERY REPLACEMENT

AD10 operates on one 9V battery (6F22 or 6LF22).

Follow the procedures below to replace a battery.



* Be sure the battery is firmly connected to battery snap with the correct polarities.

ATTENTION:

- Turn down the volume of effect and amplifier to the minimum before connecting Maxon effects to guitar, amplifier or other effects in order not to damage other connected equipment by unintended noise.
- When not in use, disconnect plug from input jack to preserve battery.
- Take out the battery if the product is not used for a long period of time.
- No or dark LED light indicates the battery is low or not installed. In this case replace the battery to avoid poor effect or distorted signal.
- Be sure to use the correct Maxon AC adaptor. Use of any other adaptor may cause trouble.
- Do not try to remove screws.