AR101
Audio Retriever

FOSTEX®

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. install in accordance with the manufacturer's instructions.
8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
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 wide 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 the 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 personal. Servicing is required when the apparatus has been damaged in any way,such as powersupply 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) Excessive sound pressure from earphones and headphones can cause hearing loss.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

FCC(U.S.A.) & ICES-003(Canada) INFORMATION

1. IMPORTANT NOTICE
This product, when installed as indicated in the instructions contained in this manual, meets FCC and ICES-003 requirements. Changes or modifications not expressly approved by Fostex Company for compliance could void the user's authority to operate the equipment. DO NOT MODIFY THIS PRODUCT.

2.IMPORTANT
In order to comply with FCC and ICES-003 requirements,use high quality shielded cables for connection to accessories and / or another products. If any cables are supplied with this product, they MUST be used. Follow all installation instructions. Failure to do so could void your FCC/ICES-003 authorization to use this product in the USA/Canada.

3.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 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 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.

4.Compliance with Part 15 of FCC Rules and Canadian ICES-003.
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 many cause undesired operation.

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Supplied accessories
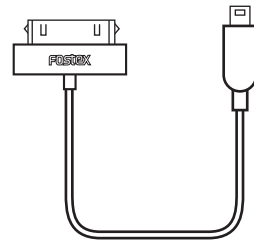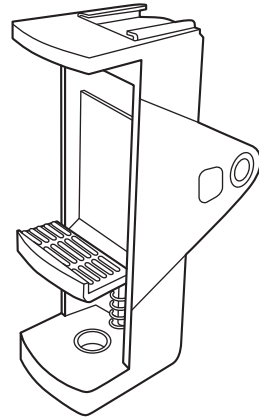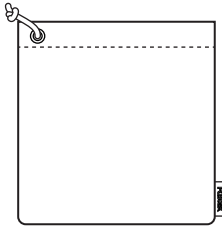
1. Main Unit
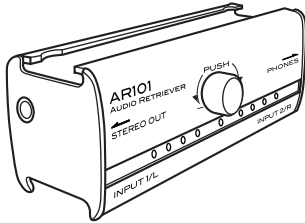
2. Microphones×2

3. Holder

4. Joint

Others

Pouch

Owner's manual

5. Grip
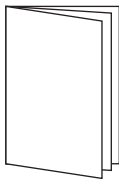
6. 30pin Dock Cable

※After purchasing the AR101, check that all accessories are included in the package.

Specifications

- Supplied power voltage for a plug in microphone:2.5V
- USB power voltage:5V
- External dimensions:83(W)× 31(H)× 33(D)mm
- Weight:60g

- Specifications and appearance are subject to change without notice for product improvement.
- iPhone, Lightning-30 adaptor is a trademark of Apple Inc., regiatered in the U.S. and other countries.

Connection Cable

If you are using an iPhone5 or iOS device equiped with Lightning connector, please use a genuine "Lightning to 30pin Adaptor".
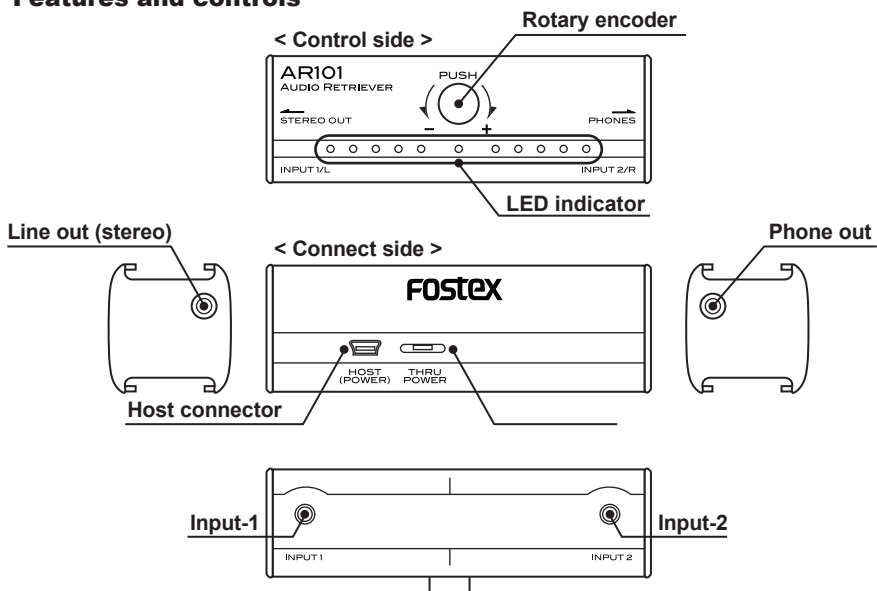
AR101
Audio Retriever

ABOUT AR101

The AR101 is a device to collect sound, appropriately adjust the input level and PAN. The AR101 is a USB device compatible with the iOS device, smartphone and PC (referred to as "host device" below). Also it can be used with a device that has line or mic levell analog input, such as digital camera (referred to as "analog device" below).

Main Characteristics

• Input and Output sound digitally transferred for a variety of host devices including iOS devices.
• Comes with two inputs for plug-in power microphones that adjust the level independently.
• Equipped with a headphone output and stereo output, which can be used to send sounds to the host device.
• LED indicator that makes it possible to display voice level of the left and right channels independently.
• Equipped with a cold shoe rail on the top and bottom of the unit for mounting external accessories .
• Possible to charge iOS devices using the external battery pack.

Features and controls

< Control side >
Rotary encoder
LED indicator
Line out (stereo)
< Connect side >
Phone out
Host connector
Input-1
Input-2

Recording with iPhone-1
Steps for recording using the iPhone:

How to assemble:

❶ Attach the grip to the holder

Thread to attach the grip are provided at the two locations in holder.
Please select the thread hole according to device.

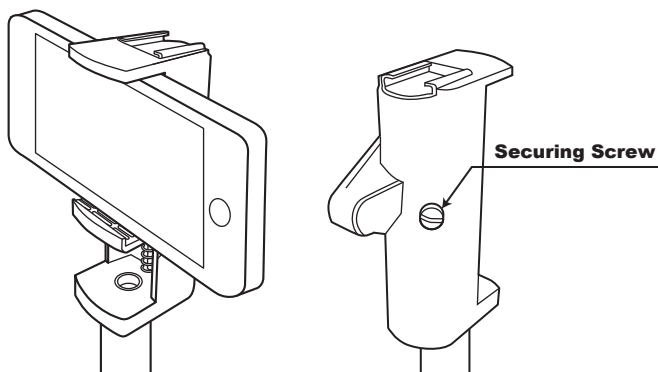**Holder**

Grip

Thread Hole

Grip
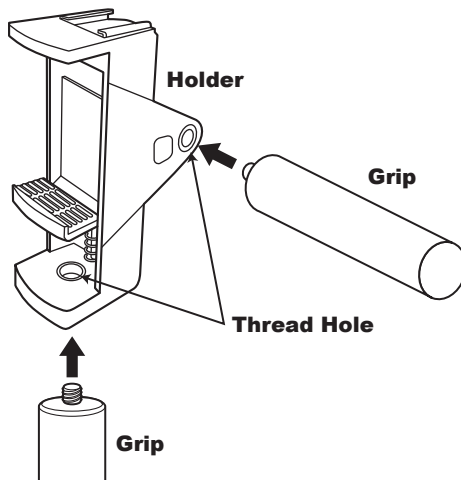
❷ Attaching to the iPhone

Installing the iPhone in the holder
Tighten the screws to secure the iPhone in order to prevent it
from falling.
**[Caution] Please be careful not to apply strong mechanical
shock to the holder as there is a possibility of iPhone falling.**

Securing Screw

Recording with iPhone-2
Steps for recording using the iPhone:

Attaching the microphone

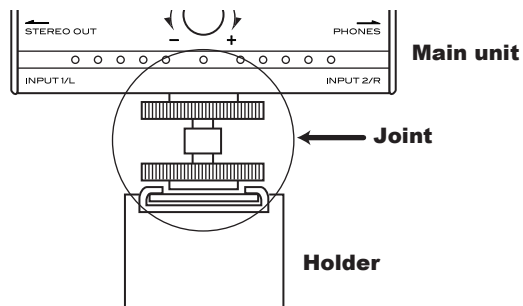### ❸ Attaching the microphone

Attach the microphone to the main unit.
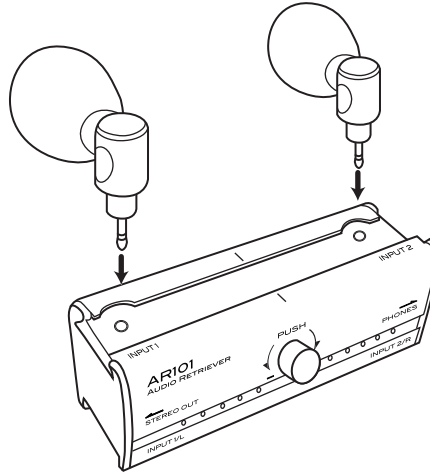
Body mounting

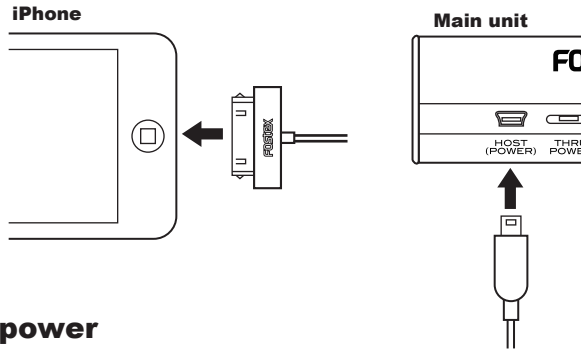### ❹ Attach the main unit to the holder

Install the main unit to the holder with the joint.
Insert the joint to each cold shoe rail. Ensure that it fits tightly.

STEREO OUT   PHONES

Main unit

INPUT 1/L   INPUT 2/R

Joint

Holder

Connecting cable

❺ Connecting iPhone to main unit

Connect 30pin Dock cable that cames with AR101.

iPhone   **Main unit**

HOST   THRI
(POWER)   POWE

Turn on the power

❻ Turn on the iPhone

When turning your iPhone on, power will be supplied to the main
unit. The LED indicator will display as shown below indicating
that main unit has become stand by mode.
Then, start the iPhone camera application.

Power Up

step-1

Middle LED will
become lit.

● ● ● ● ● ⭕ ● ● ● ● ●

step-2

LED will flash
quickly from
side to side
several times.

○ ○ ○ ○ ○   ○   ○ ○ ○ ○ ○

step-3

Flashing
outwards from
the center.

○ ○ ○ ○ ○   ○   ○ ○ ○ ○ ○

step-4

Center of LED
will blink slowly.

● ● ● ● ● ⭕ ● ● ● ● ●

Standby
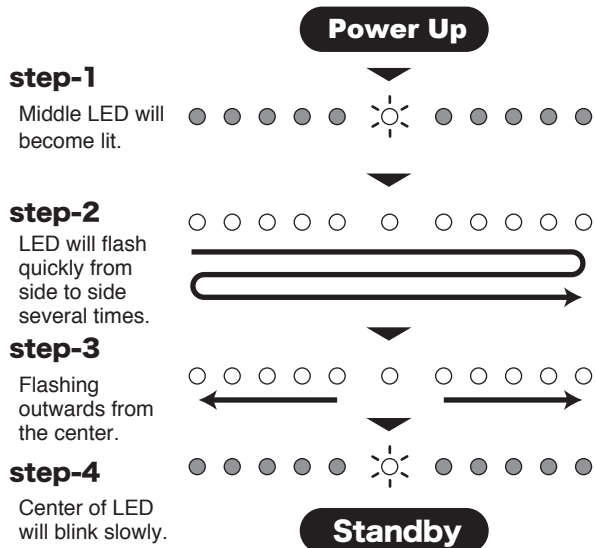
Recording with iPhone-3
Steps for recording using the iPhone

Recording mode

❼ Switch to video mode on iPhone

When switching to video mode, the AR101 will become recording mode. Then, the LED indicator on the microphone input level will be shown.

<iPhone>

<LED indicator>

INPUT-1/Lch Level   **Brink**   INPUT-2/Rch Level
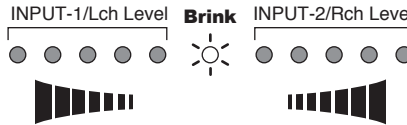
❽ Adjust the volume of the microphone.

You can adjust the overall volume using the rotary encoder, when it is in recording mode. Turn clockwise, to increase the volume and turn counter clockwise to decrease the volume.
Use headphones to monitor and adjust to the appropriate volume level.
When in this adjusting mode, the LED indicator will blink red on the furthest right.
As the volume is increased, the orange LED indicator will increase from the left to match the volume.

Volume Down   **Volume Up**

PUSH   PUSH

−   +   −   +
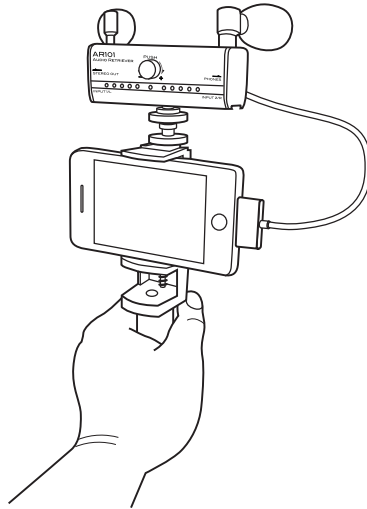
**Brink
<Red>**

<LED indicator>

Record

❾ To start recording video on the iPhone.

The iPhone can record excellent sound quality using the AR101 when you start filming video.

Easy setting with iOS apps!

Use of dedicated AR101 iOS application will make the setting easy.
For those using iOS devices, these applications are available at the App Store.

CASE 2

Recording by using Mac computer
How to record using computer audio interface
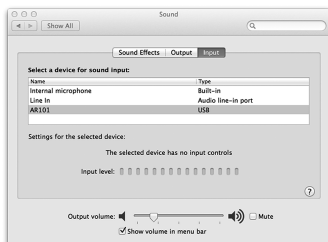
❶ Connect the AR101 to Mac using USB cable.

(The USB cable not included in the AR101)
Prepare the cable, connect AR101 to computer using USB cable.

❷ Change input device

Please select the AR101, clicking the tag "input" on Apple menu → preference → sound.

E-9

Recording by analog device or other host device.
How to record using a digital camera and/or smart phone

The AR101 can also be used with other host devices by using analog audio transfer as far as the devices come with analog audio input. Please refer to the instruction manual of devices to choose the proper type of connecting cable.

The dedicated AR101 application is only available on iOS devices. For the other host devices, please use the rotary encoder to adjust the parameters. Please read the following guide for setting.

Operating guide for parameter setting by rotary encoder

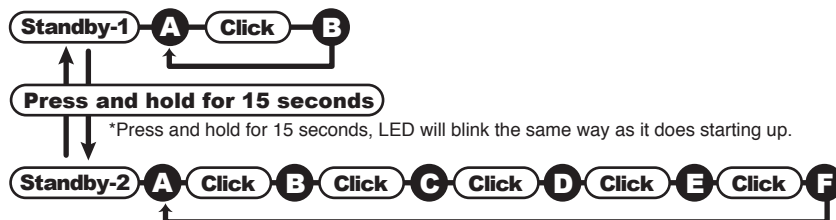Using the rotary encorder, you can set the parameters in the chart below.

Please refer to the operation guide below to go to each setting mode.

How to determine which setting mode you are at; operating the rotary encoder will show you by the LED indicator as described in the chart below.

Possible settings	LED indicator light pattern
A Phone volume	● ○ ○ ○ ○ ○ ○ ○ ○ ○ ○-☼-
B Input level	◑ ○ ○ ○ ○ ○ ○ ○ ○ ○ ◑
C Input-1 volume	◑ ○ ○ ○ ○ ○ ○ ○ ○ ○ ●
D Input-2 volume	● ○ ○ ○ ○ ○ ○ ○ ○ ○ ◑
E Input-1 punning	◑ ◑ ――――――→ ●
F Input-2 punning	● ←―――――― ◑ ◑
(Press and hold for 3 seconds) Mute *Operate in any mode.	● ● ● ● ● ◑ ● ● ● ● ●

-☼- Turn on   ○ Turn on by the operation.
◑ Blink   ◑ Move while flashing by the operation.
● Turn off

■ Operation guide

[Standby-1]–(A)–(Click)–(B)

(Press and hold for 15 seconds)

*Press and hold for 15 seconds, LED will blink the same way as it does starting up.

[Standby-2]–(A)–(Click)–(B)–(Click)–(C)–(Click)–(D)–(Click)–(E)–(Click)–(F)

Declaration of EC Directive

This equipment is compatible with the EMC Directive (2004/108/EC) - Directive on approximation of member nation's ordinance concerning the electromagnetic compatibility and with the Low Voltage Directive (73/23/EEC) - Directive on approximation of member nation's ordinance concerning electric equipment designed to be used within the specified voltage range.

The Affect of Immunity on This Equipment

The affect of the European Specification EN61000-6-1 (coexistence of electromagnetic waves - common immunity specification) on this equipment are as shown below.

In the electrical fast transient/burst requirements, surge, conducted disturbances by radio-frequency fields, power frequency magnetic field, radiate electromagnetic field requirements and static electricity discharging environment, this could be affected by generation of noise in some cases.

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* Including non-EU countries (as of July 2011)

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