



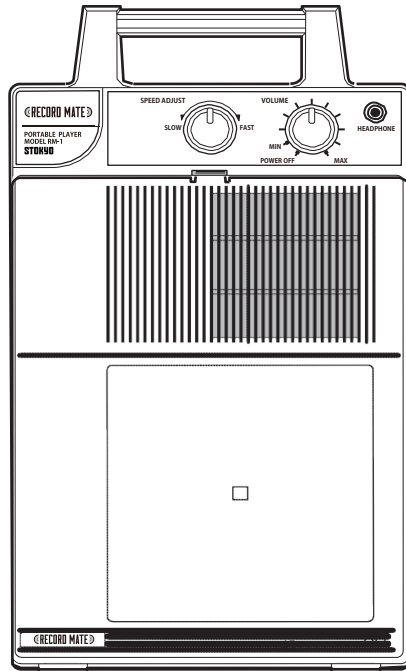
## Warranty Included

A warranty is on the last page of the manual. Please read it carefully.

# PORTABLE PLAYER MODEL RM-1 STOKYO

### Before use

Please read through the manual and the warranty to use properly.



Thank you very much for purchasing our product.  
Please keep this manual (with a warranty) in a safe place.  
It will be useful for you in case of any question or concern.

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# Safety Precaution

Please read through and fully observe this safety precaution to use this product safely and to prevent damage to you and others.

There are some pictorial indications in this manual for your continued safety use of the product.

The pictorial indications and their meanings are shown below.

## ■ 【Symbol's meaning】

 Warning	Death or serious injury may result if the warning is not observed.	 Caution	Minor injury or loss of property may result if the caution is not observed.
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## ■ 【Pictorial indication's meaning】

 Prohibition	 DO NOT disassemble	 NO wet hand	 DO NOT splash liquid	 Observe instruction	 Unplug
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## Warning



In case of fuming or strange odor, unplug AC adaptor from an outlet immediately.

Unplug

If not avoided, it could cause fire or electric shock. After fuming stops, please contact the dealer where you purchased the product for repair.



In case of damage of AC adaptor cord or heating of AC adaptor, unplug it from the outlet after cooling down.

Unplug

If not avoided, it could cause fire or electric shock. If the power code gets damaged, please contact the dealer where you purchased the product for exchange.



Insert deeply

Plug in AC adaptor's plug into AC 100V outlet firmly. Using outlet other than AC 100V may cause fire or electrical shock. Inserting plug shallowly may cause overheating and fire.



NO wet hand

Do not plug in and out AC adaptor with wet hand.

It may cause electrical shock.



Do NOT disassemble

Do not try to disassemble, repair, modify. It may cause electrical shock or fire. Contact the dealer where you purchased the product for service, adjustment, and repair.



Prohibition

Do not touch AC adaptor while thundering.

It may cause electrical shock.



Unplug

If the cabinet got broken by falling down or violent shock, turn the power off immediately and unplug AC adaptor.

Using damaged product may cause electrical shock or fire. Contact the dealer where you purchased the product for service.



Observe Instruction

When handling AC adaptor, be careful not to:

- Damage
  - Modify by putting an extension or such
  - Heat or pull
  - Put a heavy weight or clamp
  - Force to bend or twist
  - Bundle
- Not observing instruction may cause electrical shock or fire.



Prohibition

Do not put things on the device or force foreign material into duct or gap.

If metals (clip, needle, coin) or burnable like paper enter inside, it may cause electrical shock or fire. Be aware when there are children.



Keep dry

Do not splash the product or place it in a humid place like outdoor in rain or a bathroom.

It may cause fire or electrical shock Beware especially when snowing or at the beach or near water.

## ⚠ Warning



Unplug

If water or foreign object enter inside the device, unplug AC adaptor immediately. Using such product may cause electrical shock or fire. Contact the dealer where you purchased the product for service.



Remove dust

If the blade or mounting surface of blade of AD adaptor's power plug is dirty or dusty, unplug the power plug and remove dirt or dust. Insulation deterioration of power plug may cause fire.



Prohibition

Do not place the device in:

- a humid or water splash-prone place like a bathroom
- the place where rain or mist easily enter
- a hot place like nearby fire or heat source
- a place exposed to direct sunlight
- a sun-heated car, a dusty place with oil smoke like kitchen
- a place with strong vibration
- a place where corrosive gases (sulfur dioxide gas, hydrogen sulfide, chlorine gas, ammonia, etc.) exists
- extreme conditions such as extremely high or low temperatures or large temperature change
- unstable place such as a rickety table or slope

Placing the device in such places may cause fire or electrical shock.

## ⚠ Caution



Prohibition

Use only circular record

Record of unique shape like heart shape or card shape may jump out of the device due to high-speed turning and cause injury.



Prohibition

Never use a cracked, deformed, or glued record

Such record may jump out of the device due to high-speed turning and cause injury.



Prohibition

Never touch a record while rotating

Touching rotating record may cause injury.



Prohibition

Never climb on the device

The device may fall down or break and cause injury. Be aware when there are children.



Observe Instruction

Unplug AC adaptor if not using for a long time

It may cause fire in case of failure.



Prohibition

When transporting, unplug AC adaptor from outlet and pull off DC plug from the main body

Damaged code may cause injury, fire, electrical shock.



Unplug

When unplugging AC adaptor from outlet, hold AC adaptor and unplug

If you hold a code and unplug, the code may get damaged and cause fire or electrical shock.



Observe Instruction

Connect AC adaptor to easy-to-reach outlet

Even after turning off main power switch, it is not completely shut off from power source. Connect to easy-to-reach outlet so that you can unplug it immediately to prevent accidents.



Observe Instruction

Beware of sound volume

- Turning up sound volume too much from the beginning may cause sudden loud noise and damage your ear. Increase the volume bit by bit.
- Turn down sound volume when turning the power off. If not, it may emit a loud sound when turning on and cause hearing problem.



Prohibition

Do not leave sound distorted for a long time.

The speaker may overheat and cause fire.



Observe Instruction

In case of condensation, start using after condensation is eliminated.

Moving the device from cold place to warm place may cause dew condensation. Such condition may cause malfunction, electrical shock, or failure. In such condition, unplug AC adaptor and leave it for one hour to remove dew before resuming the use.

## ⚠ Caution



### When handling battery:

Observe  
Instruction

- use only AA battery
- install in correct polarity
- do not charge, heat, disassemble, short out, or throw into fire
- do not use after the validity date labelled on the battery or after using up
- do not mix with batteries of different types, or old and new batteries
- take the battery out of remote controller after using up
- do not damp or touch with wet hand

Overheating, leakage, burst of battery may cause burning or injury.

If you touch liquid, wash thoroughly, and consult a doctor.

If the liquid adheres to instrument, do not touch it, and wipe it out.

### ■ Disclaimer

- We are not liable for damages caused by earthquake, lightning, storm and flood, fire for which we are not responsible, acts by a third person, accidents, intentional acts or acts of negligence of customer, misuse, or use under extreme conditions.
- We cannot compensate you for not being able to record due to product failure.
- We are not liable for damages caused by the negligence of observing instructions in this operating manual.

### ■ Copyright

- Works and copyright holders of music or image are protected by copyright law. Such works shall be reproduced only for your personal use. In case of copying or modifying it without consent of copyright holder, you may have to compensate for or face a criminal charge over "infringement of copyright" or "infringement of the moral rights of authors". When using the product to copy works, observe the copyright law and use appropriately.

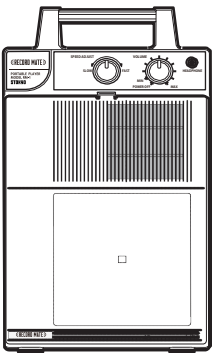
## ● Product feature

- You can change rotation speed of record.
- You can play 17cm record even the device is put on the column or wall or placed obliquely.
- It is the portable player that is easy to carry around.
- You can use it with AC adaptor (AC100V ordinary domestic power source) or dry cell battery (AA). Power source is switched automatically.
- Earbuds (also used as recording terminals) are included.

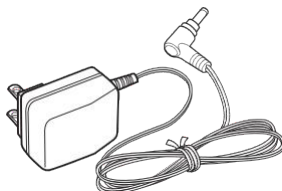
## ● Package

Make sure that the items shown below are included in the package before use.

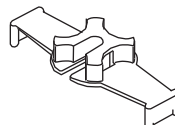
If any item is missing, please contact the dealer where you purchased or our support center.



Portable player  
RM-1(main body)



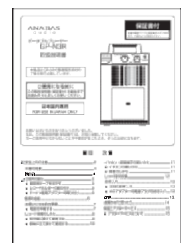
AC adaptor



Record holder



Adapter for EP



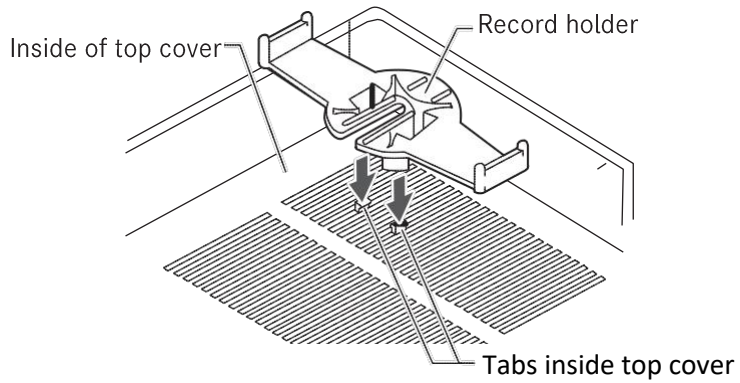
Manual with warranty  
(This manual)

# ● Before use

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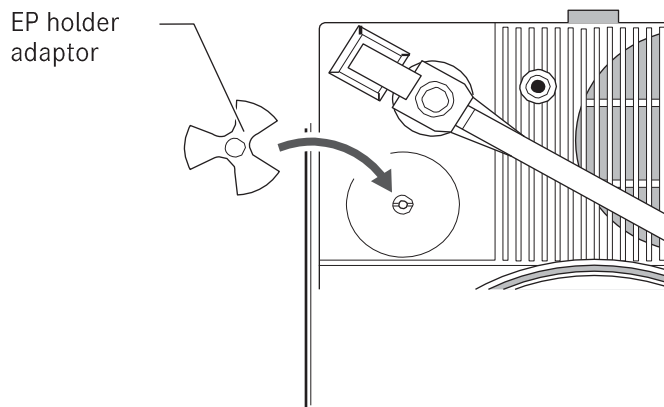
## ● Installation of record holder

When purchased, the record holder is packaged as accessory. Please attach it to tabs inside of the top cover when not in use.

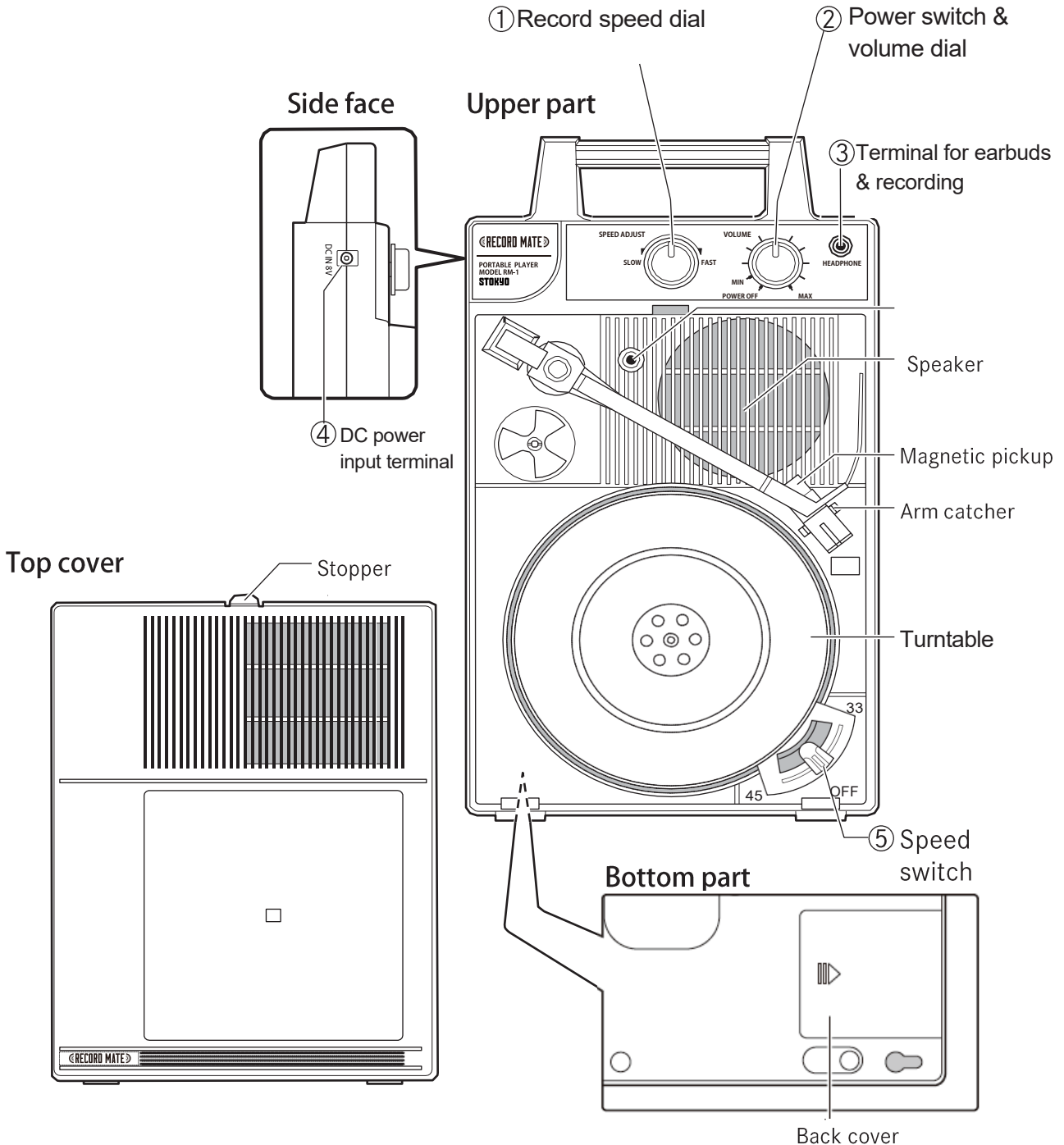


## ● Installation of EP adaptor

When purchased, the EP holder is packaged as accessory. Please attach it to the main body when not in use.



# Part names



## ① Record speed dial

It is the dial to adjust rotation speed when playing a record. Record rotation speed becomes constant at the center of dial rotation. Turning the dial clockwise increases speed and turning anti-clockwise decreases speed. Range of change is about 5%.

## ② Power switch & volume dial

By turning the dial clockwise, it clicks, and the device is turned on. Turning the dial clockwise increases volume and turning anti-clockwise decreases volume. When turned the dial fully anti-clockwise, it clicks, and the device is turned off.

### ③ Terminal for earbuds & recording

Connect to your earbuds or  $\Phi$ 3.5mm stereo-mini plug. When tape-recording the sound of record, connect to the device which uses connector code of  $\Phi$ 3.5mm stereo-mini plug.

\* After connecting the plug to this terminal, no sound will come out of the speaker.

### ④ DC power input terminal

Connect to DC plug of supplied AC adaptor.

### ⑤ Speed switch

It is the dial to tune the rotation speed of record to the speed specified by record. Tune the dial to the number shown on the cabinet.

\* When not playing the record, be sure to tune the dial to OFF position.

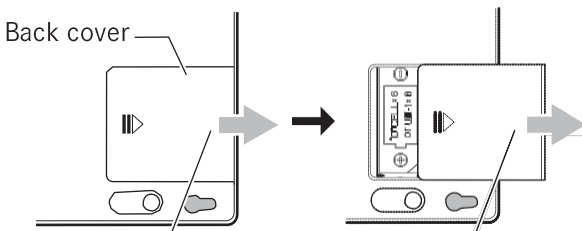
## Before use

### ● Prepare power source

Use domestic power source or dry cell battery.

### ● Remove back cover

**1.** Slide the back cover at the bottom and pull out to the direction of arrow.



Slide to  
arrow direction

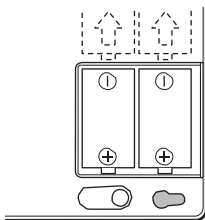
Pull out

### ● When using dry cell



\* Note that battery is not supplied. We recommend using alkaline AA battery. Please prepare six alkaline AA batteries.

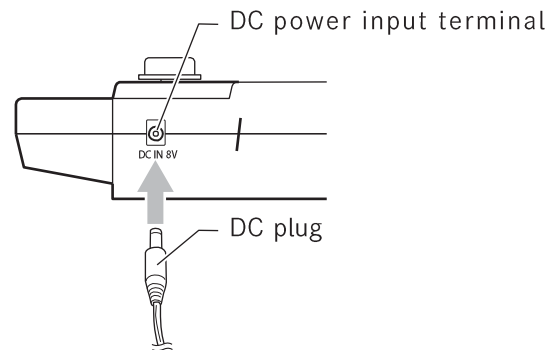
**1.** Install six AA batteries in correct polarity.



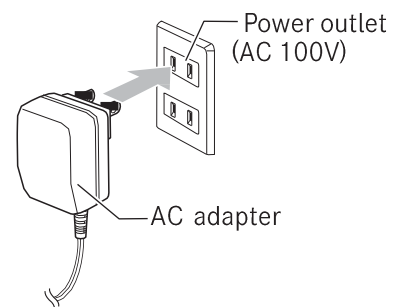
**2.** Close the back cover.

### ● When using AC adaptor

**1.** Connect DC plug of supplied AC adaptor to DC power input terminal on the side face of the device.



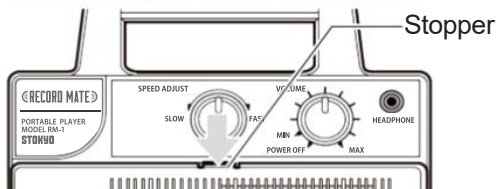
**2.** Connect supplied AC adaptor to AC 100V power outlet.



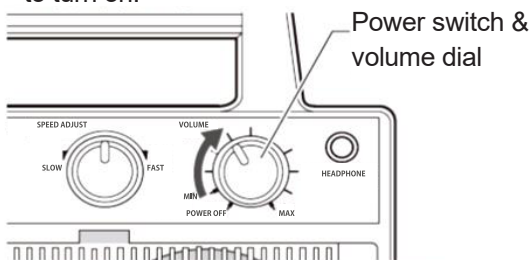
\* Do not touch AC adaptor with wet hand to prevent electrical shock.  
\* Please connect to easy-to-reach power outlet so that you can unplug in an emergency.

# ● How to play a record

1. Push down the stopper of the top cover to the direction of arrow and lift up.

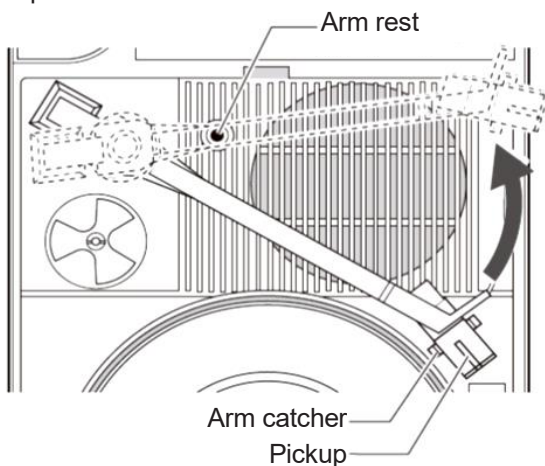


2. Turn the power switch & volume dial clockwise to turn on.

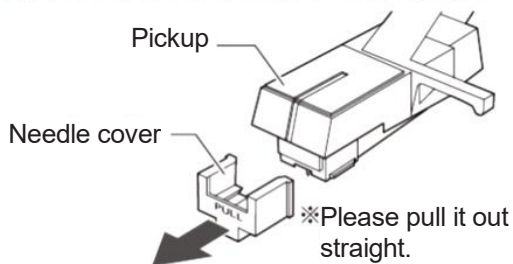


● Turn the dial clockwise until it click to turn on.

3. Remove the pickup from the arm catcher and place on the arm rest.



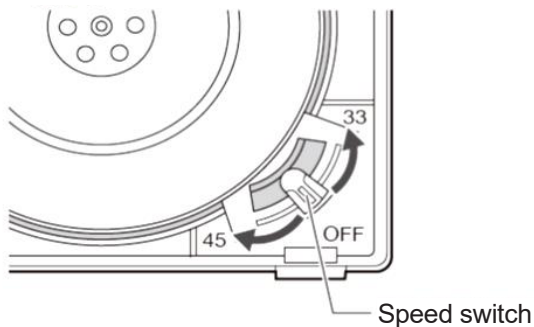
4. Remove the needle cover from the pickup.



※ When downward pressure is applied to needle, it may become loose or fall from the main body and you hear only small sound. Please refer to p8 [Replacement of Record needle] to mount needle properly.



5. Adjust speed switch to rotation number of the record.



※ This device does not support SP record (78rpm).

6. Place a record on the turntable.
  - When playing LP, please use the adaptor for LP.
  - You can use this device putting obliquely. If you do so, please insert supplied record holder to the center spindle to fix the record. For detail, refer to p10 [Use the device putting obliquely].
7. Lift the pickup and put the needle tip of the pickup on the record softly.
  - When the pickup is lifted, the turntable starts to rotate.
8. Turn the power switch & volume dial to the desired sound volume.
9. After the end of playing, return the pickup to the arm rest.
  - When you return the pickup to the arm rest, the turntable stops.
10. When not playing the record, follow the instructions below.
  1. Turn the power switch & volume dial fully anti-clockwise to turn off.
  2. Return the needle cover to the pickup.
  3. Return the pickup to the arm catcher.
  4. Switch the speed switch to [OFF].

※ When not playing the record, DO NOT leave the record holder attached to the center spindle.




※ If the record slips while playing a film record, please put the adapter for EP on the record. When playing a film record, keep the device in a horizontal state.



## ● Hang the device on column / wall

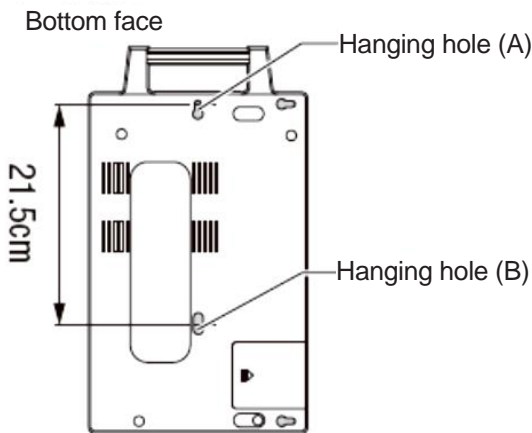
17cm record can be played hanging the device on the column or wall longitudinally/transversely. When using hanging on the column or wall, use the supplied record holder.

**1.** Drive two long nails firmly on the column or wall aligning with hanging holes at the bottom of the device.

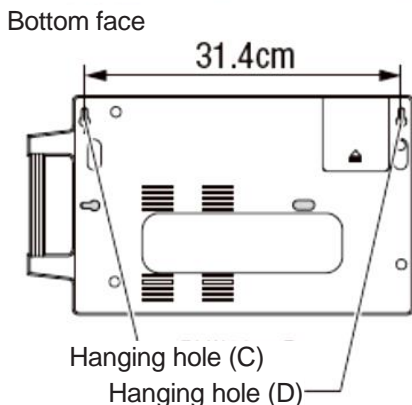


- ※ Ensure that the column or wall is strong enough to hang the device. If not, column or wall may get damaged, or the device may fall down causing failures or injuries.
- ※ If the nail is too thin, it wouldn't sustain the weight of the device.

- Use the nail up to 1.45cm in height.
- Use the nail up to 8mm in diameter of nail head.
- When hanging longitudinally
  - Use the hanging holes (A) & (B) at the bottom of device.
  - Drive nails at 21.5cm intervals.

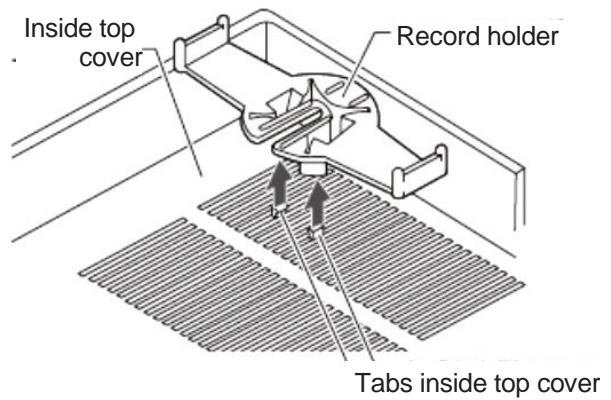


- When hanging transversely
  - Use the hanging holes (C) & (D) at the bottom of device.
  - Drive nails at 31.4cm intervals.




**2.** Hang the device on the column or wall.

**3.** Detach supplied record holder from inside the top cover.




**4.** Place 17cm record on the turntable.

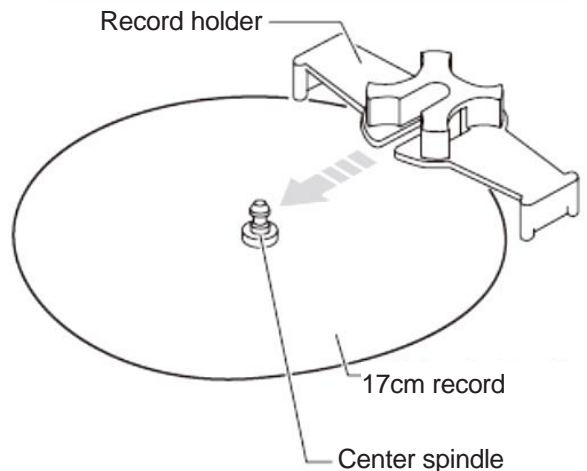


- ※ Do not place 30cm LP record as it will protrude from the device.
- ※ This device does not support SP record (78rpm).


**5.** Insert supplied record holder to the groove of the center spindle.



- ※ When attaching or detaching supplied record holder to the center spindle, be careful that the record holder does not touch record's sound groove.



**6.** Play the record.



- ※ When not playing the record, DO NOT leave the record holder attached to the center spindle. Return the record holder inside top cover.
- ※ Scratched record may cause sound jumping when used hanging on the wall. If sound jumping occurs, place the device horizontally.

## ● Use the device putting obliquely

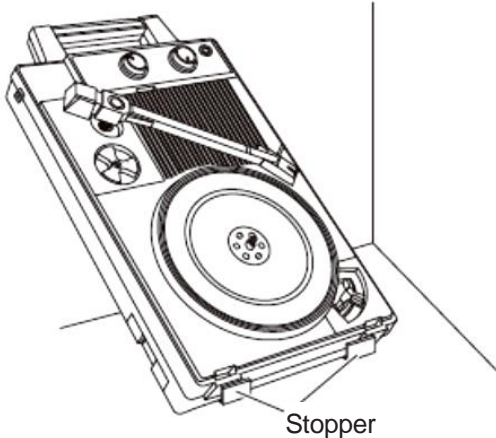
You can play 17cm record putting the device obliquely against the wall.  
If you do so, please use supplied record holder.

**1.** Lean the device against the wall longitudinally/transversely.

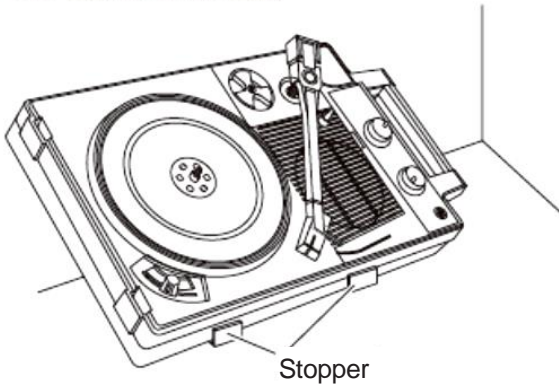


- ※ When leaning the device against the wall, use a stopper to prevent the device from falling down.
- ※ Stopper is not supplied.

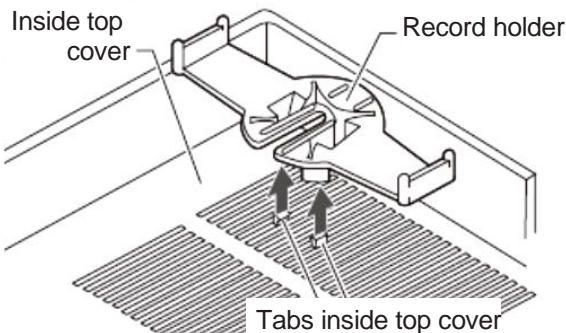
● When standing longitudinally



● When standing transversely



**2.** Detach supplied record holder from inside the top cover.



**3.** Place 17cm record on the turntable.

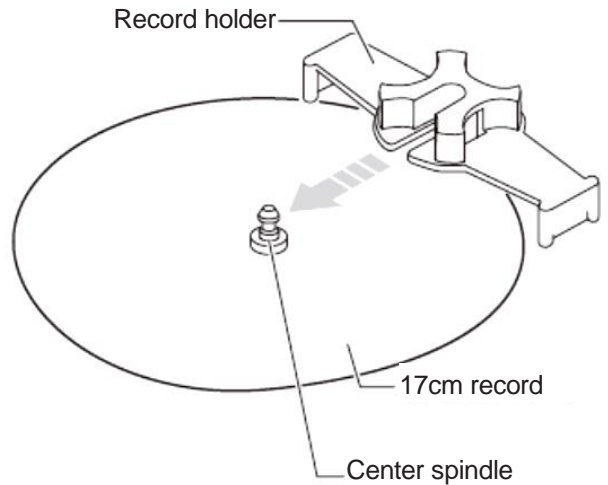


- ※ Do not place 30cm LP record as it will protrude from the device.
- ※ This device does not support SP record (78rpm).

**4.** Insert supplied record holder to the groove of the center spindle.



- ※ When attaching or detaching supplied record holder to the center spindle, be careful that the record holder does not touch record's sound groove.



**5.** Play the record.



- ※ When not playing the record, DO NOT leave the record holder attached to the center spindle. Return the record holder inside top cover.

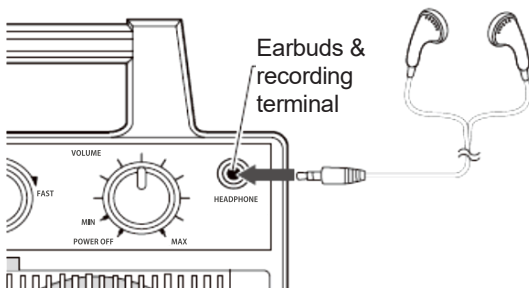
# Usage of earbuds & recording terminal

## Usage of earbuds

You can connect earbuds / recording terminals to your earbuds or headsets to listen to music in stereo.

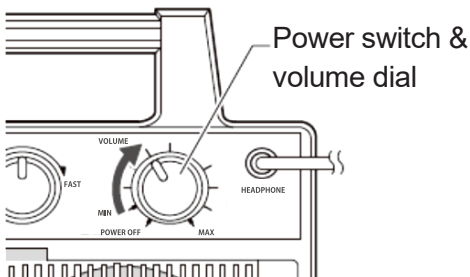
⚠️ ※ Earbuds or headsets are not supplied. Please use your own one.

1. Turn the power switch & volume dial anti-clockwise and set the volume to the minimum.
2. Connect the earbud terminal to  $\Phi 3.5\text{mm}$  stereo mini plug earbud or headset cable.



- After connecting earbuds or headset cable, sound does not come out of the speaker.
3. Play the record.
  4. Turn the power switch & volume dial to adjust to easy-to-listen sound volume.

⚠️ ※ When using earbuds, increase sound volume incrementally not to damage your ears with loud noise.



## How to record

You can record the record's sound by connecting a recording device with external input terminal like radio cassette recorder to earbuds & recording terminal.

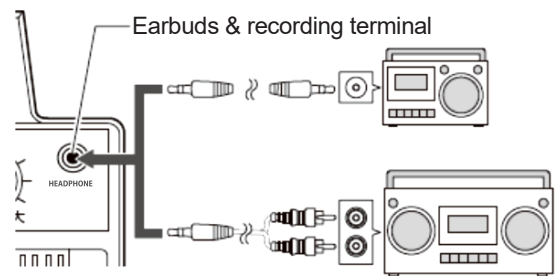
### Preparation

Prepare the cord with  $\Phi 3.5\text{mm}$  stereo mini plug at one end and a terminal to connect to input terminal of recording device at another end.

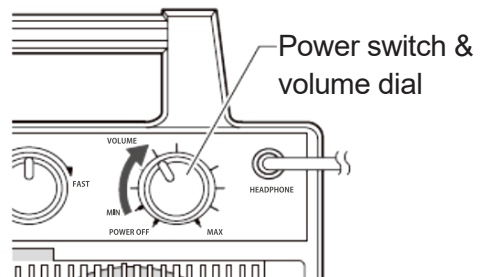
⚠️ ※ Connection cord for recording is not supplied. Please use your own ones.

### Recording

1. Connect  $\Phi 3.5\text{mm}$  stereo mini plug of connection cord to earbud terminal and another plug to the recording device.



- After connecting earbuds or headset cable, sound does not come out of the speaker.
2. Turn the power switch & volume 3/4 round to the right slowly.



3. Play the record.

# ● Replacement of record needle

※ After using record needle for about 400 hours, sound quality becomes poor and the record may get damaged. Please replace record needle early.



※ Use the record needle by Audio-Technica ATN-3600 for replacement. DO NOT use other needles.

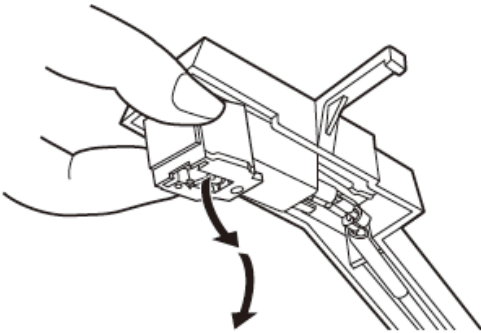
※ Refer to manual of ATN-3600L for replacement.

**4.** After mounting, ensure that the cantilever of the needle fits in the groove of the armature.

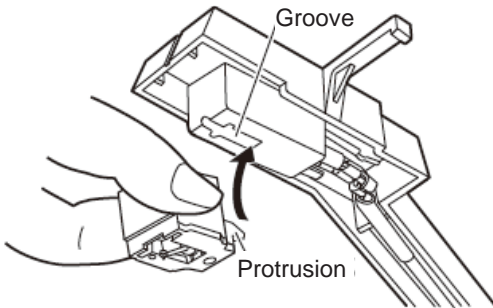


※ Ensure that the cantilever is at the proper position for best performance.

**1.** Pull down the end of needle to remove it downward.



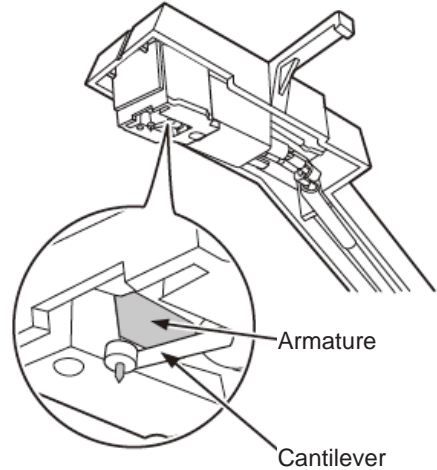
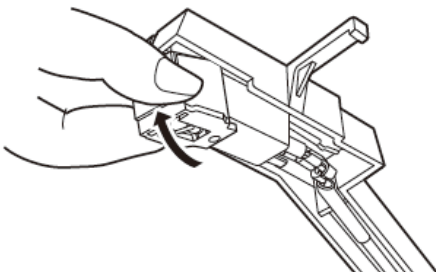
**2.** Insert the protrusion at back end of replacement needle to the back end of cartridge groove.



**3.** Push the tip until it clicks as shown below.



※ Do not apply too much force on the needle tip, cantilever, and armature when mounting.





※ Be sure to unplug AC adapter before maintenance.

## Care of the main body

- Wipe the surface with soft dry cloth.
- If the surface is very dirty, clean carefully with a wet cloth after squeezing well.
- ※ Do not use hard sponge or scrubber like melamine sponge to avoid scratch.
- ※ Do not use polishing powder, scourer, or solvent like benzine, thinner, or alcohol.

## Care of AC adapter plug

- Wipe the surface with soft dry cloth.
- ※ Do not use polishing powder or solvent like benzine, thinner, or alcohol.

# Specifications

Product name	Portable player
Model	RM-1 (stokyo original model)
Main body	
Power source (Automatic switch system)	AC adapter (Input: 120V - 50/60Hz, Output: DC8V $\overline{\text{---}}$ 350mA) DC 9V (six AA dry cell batteries) *Battery is not included.
Power consumption	4W (1.2W during standby)
Overall size	About 220(W) $\times$ 385(D) $\times$ 73(H)mm (protrusion excluded)
Weight	About 1.3kg (batteries excluded)
Supplied terminal	Terminal for earbuds and recording
Accessory	An adapter for EP, a record holder, an AC adapter, Operation manual with warranty (this manual)
Record player	
Model	2-speed player
Rpm	33 $\frac{1}{2}$ rpm, 45rpm
Attached mechanism	Rotation speed adjustment mechanism (more than $\pm 5\%$ )
Tone arm	Dynamic balance type
Cartridge	AT-3600LA by Audio-Technica
Needle	ATN-3600L by Audio-Technica
Motor	DC motor
Drive system	Belt drive
Turntable	17cm
Speaker	
Speaker	10cm (8 $\Omega$ ), 2W

\* Appearance and specifications are subject to change without notice. This product is designed and sold in Japan. It cannot be used in regions of different utility frequencies. We do not provide after-sales service like repair or selling parts outside Japan.

# Troubleshooting

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Before requesting a service, please check the following items.

Please stop using and contact our service department if the problem is not solved.

Problem	Check
Power is not turned on (When AC adapter is used)	● Make sure that AC adapter plug is deeply inserted to the power outlet.
Power is not turned on (When batteries are used)	● Check polarity and remaining quantity of batteries.
The turntable turns but no sound comes out.	● Check the position of dial and switch.
No sound comes out.	● Is sound volume adjusted properly? Adjust sound volume.
When playing a record, harsh or clattering sound comes out. High-frequency sound is not clear.	● Check for dust at the end of needle. Remove dust with soft brush. ● Check if the needle is mounted appropriately. Mount the needle tightly to prevent loosening. ● Check for dust on the record. Clean the record with gauze dampened with commercial record cleaner or water. ● Check for damage of the record or needle. If needle is damaged, please replace it.
Howling occurs.	● Howling occurs when vibrations of the speaker are transmitted to the player. Please turn down the volume or change the location of the device.
No sound comes out from the speaker.	● Check if earbuds or headsets are not connected to earbuds & recording terminal. No sound comes out from speaker if earbuds or headsets are connected.
Ham radio interrupts.	● There may be an amateur radio station nearby. Refer to [About after service] and contact us.

## **WARRANTY**

This product comes with a one year warranty.



Please contact : [sec@stokyo.com](mailto:sec@stokyo.com)