SONY.

AIBO Dancer for ERS-210/210A ERF-210AW07 Entertainment Robot Application





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How to contact the AIBO Customer Link.

In the United States

Call 1-800-427-2988

Email address: aibosupport@info.sel.sony.com

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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.

Regulatory Information

This equipemnt has been tested and found to comply with the limits for a Class B digital device, pursuant in 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 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 try to correct the interference by one or more of the follwing 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.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.



"OPEN-R" is the standard interface for the entertainment robot system that Sony is actively promoting. This interface expands the capability of the entertainment robot through a flexible combination of hardware and interchangeable software to suit various applications. The "AIBO" ERS-210 series and "AIBO-ware" ERF-210AW07 conform to the OPEN-R version 1.1.3.

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Other information about AIBO is available on the Internet at the following site: http://www.aibo.com/

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For more information about "AIBO" ERS-210 series (name of parts, settings, "Memory Stick" use, saftey precautions, etc), refer to the "AIBO" ERS-210 series Operating Instructions.

Getting Started

Welcome to "AIBO Dancer," a software application that allows Entertainment Robot AIBO ERS-210 series to become your dancing party companion!

This chapter provides basic information about AIBO Dancer to help you to get along well with AIBO.

^{*} In this manual, "AIBO Dancer" ERF-210AW07 is referred to as "AIBO Dancer" hereinafter.



Checking the supplied accessories

Check to see if you have the following accessories before you play with AIBO.

- · AIBO-ware "Memory Stick"
- User's Guide (this manual)





About AIBO Dancer

AIBO Dancer (ERF-210AW07) is an AIBO-ware software that turns your AIBO into a party animal! Start up your AIBO with the AIBO Dancer "Memory Stick," and AIBO will be able to hear the same party tunes that you are listening to, and will begin to dance to the music.

So bring AIBO to your next party and double the fun!





Modes and conditions of AIBO

With AIBO Dancer, AIBO can enter the following modes and conditions.

Pause mode



To turn AIBO off, press the Pause button located on its chest. Place AIBO in this mode before changing or replacing the battery or "Memory Stick." When you press the pause button on AIBO's chest.

- When you press the pause button on AIBO's chest.
- When AIBO has been active for an extended period.

Active condition

The mode indicator goes off.

Autonomous Dance mode



AIBO will begin to dance once it has detected a beat

Hold down back sensor for 3 seconds

Hold down back sensor for 3 seconds

Continuous Dance mode

AIBO will dance continuously, regardless of any beat it hears.

Notes

- Do not place AIBO in any location where it might fall or be subjected to vibration, or on any unstable surface.
- Do not place anything near AIBO that may hinder its movement.

Low Battery

When AIBO's battery pack grows weak. AIBO will let you know that it wants to be recharged by voice guidance, making a gesture and then changing to the charging posture. When this happens, place AIBO on the station, or press the pause button to stop AIBO's movements and then connect the AC adaptor plug. For more details. see the AIBO FRS-210 series operating instructions.



If you don't recharge AIBO at this time, it will stop moving and its chest light will turn off.

Station mode

After being placed on the Energy Station, AIBO will turn off and begin to recharge.

Pick-up condition The mode indicato liahts.



When AIBO is picked up, it moves into the Pick-up condition. This is to prevent AIBO from making movements that might surprise the person picking it up, possibly causing them to drop it in consequence.

Note

When two or more of AIBO's paw sensors are pressed, it thinks it has been placed on the floor and returns to Autonomous Dance mode. Becareful not to touch any of its paw sensors when you hold it.

An object is caught in any one of AIBO's joints.

Pick up AIBO

Put down AIBO

auickly.

condition

.lam

The mode indicator flashes.



If an object becomes jammed in any one of AIBO's joints. AIBO goes limp. and all of its joints become loose. This condition prevents you from aetting your fingers caught between AIBO's joints and injuring them.

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Press the head sensor for 3 seconds.

Preparations

Let's get AIBO ready to use AIBO Dancer.

Note

If AIBO is loaded with any other AIBO-ware "Memory Stick," place AIBO in the Pause mode (the chest light goes off) before switching the "Memory Stick." To place AIBO in the Pause mode, press the pause button on AIBO's chest.

1 Grasp AIBO securely by the body, turn it upside down, and open the cover.

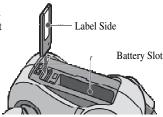
Notes

- · Lift AIBO by its body, and not by its extremities.
- If your hands are comparatively small, you may drop AIBO when grasping or turning it upside down. Be careful to hold AIBO.
- Do not touch AIBO's charging terminal with your hand. Doing so may soil the terminal and cause poor contact.
- **2** Remove the "Memory Stick" from its case.



3 Check that you are holding the "Memory Stick" in the right direction, and insert it into AIBO.

With the \(\frac{1}{2} \) mark pointing down and the label facing the direction of the battery slot, insert the "Memory Stick" until you hear it click into place.



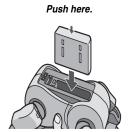
Notes

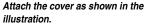
- Make sure that you orient the "Memory Stick" correctly. If you insert it incorrectly, you may damage the "Memory Stick" or AIBO.
- Do not set the safety switch of the "Memory Stick" to "LOCK."



4 After checking that the battery pack is correctly oriented, insert it, and then close the cover.

Hold the battery pack with the connector facing downward, and insert it into the slot until you hear it click into place.







5 Charge up the battery pack.

Refer to the "AIBO" ERS-210 series Operating Instructions for how to charge up the battery pack.

6 Place AIBO on the floor as shown on the right.

Place AIBO on a flat, non-slippery surface, such as a carpet with a short nap.

Notes

- On a slippery floor or a carpet with a long nap, AIBO may fall down or carpet may be caught between its joints, so it may not move forward.
- Be sure to place AIBO on the floor as shown above. This will
 prevent AIBO from moving unexpectedly and being damaged
 when you press the pause button.

7 Press the pause button on AIBO's chest.

The chest light lights up green.

After a while, AIBO will begin moving automatically.



Playing with AIBO Dancer

This chapter explains the technology behind AIBO Dancer and how to use the product.



What is Beat Detection?

How does AIBO do this? Remember, AIBO is not only your friendly pet-like companion, but also has the procesing power of a computer. When your AIBO is turned on with AIBO Dancer, your AIBO listens for the beat of the song. Once it has found a beat, it will select a dance move in accordance to the beat it has found. AIBO will continue to listen for the beat of the song, so if the beat of the song changes, AIBO's moves will change too.

Playing with AIBO Dancer

Boot up AIBO with the AIBO Dancer AIBO-ware, and let it listen to the music that you are listening to. Once AIBO detects the beat of the music being played, it will begin to flash its LEDs to the beat that it hears. AIBO's dance moves will be synchronized to the flashing that you see.

Listen up, because as AIBO gets into the music, it will begin to make humorous comments about how much fun it's having.

TIP: If AIBO does not seem to be getting into the groove, clap along to the beat and get the party started!

Continuous Dance Mode

If you want AIBO to just dance continuously, press down on AIBO's back sensor for 3 seconds. In Continuous Mode, AIBO will randomly go though its dance routines, regardless of the music that is being played.

TIP: You can tell that AIBO is in this mode when its mode indicator lights up, and also blinks. To take AIBO out of Continuous Dance Mode, hold its back sensor down for 3 seconds again, and confirm that the mode indicator is off.

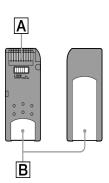
Additional Information

This chapter provides notes on usage, a troubleshooting guide, and other information concerning AIBO.

Notes on use

To protect the saved data on the "Memory Stick," note the following:

- The supplied AIBO-ware "Memory Stick" is an accessory of AIBO Dancer ERF-210AW07. Do not use it for anything other than AIBO such as a PC or camcorder. AIBO may not operate normally depending on the units used to configure it.
- Do not touch the terminal A with your hand or metal objects.
- The saved data may be erased or damaged if the "Memory Stick" is used in a place subject to static electricity or electrical noise.
- Do not stick anything other than a dedicated "Memory Stick" sticker in the area indicated by B.
 A sticker has already been attached to the AIBO-ware "Memory Stick" supplied with AIBO Dancer at the factory.
- Do not bend, drop or apply a strong physical shock to the "Memory Stick."
- · Do not disassemble or modify the "Memory Stick."
- To remove the "Memory Stick" from AIBO while it is still operating, first press the pause button to stop AIBO's movement and wait until the battery pack lock indicator appears white.
- · Keep the "Memory Stick" away from water and other liquids.



- Do not use or store the "Memory Stick" in places subject to:
 - Excessively high temperatures, such as a car parked in the sun,
 - Direct sunlight, or
 - High humidity or corrosive gas.
- When carrying or storing the "Memory Stick," keep it in the supplied case.
- AIBO Dancer can only be used with "AIBO" ERS-210 and ERS-210A.
- AIBO Dancer cannot be used with "AIBO" ERS-110/111, ERS-220 series or ERS-300 series.
- AIBO Dancer cannot be used except through the AIBO-ware "Memory Stick" on which it is supplied.
- Sony assumes no responsibility for any malfunctions that may occur as a result
 of using AIBO Dancer in a way not specified in this manual.
- The specifications of this software are subject to change without notice.

What is an AIBO-ware "Memory Stick"?

It is a "Memory Stick" produced for exclusive AIBO use, and on which is stored application software that can be executed on an AIBO.

Notes

- Do not set the safety switch of the "Memory Stick" to "LOCK." Doing so may cause incomplete functions of some features.
- If the safety switch of the "Memory Stick" is set to "LOCK," the face lights flash red as a warning when you start up AIBO by pressing the pause button.



Troubleshooting

If you experience any of the following difficulties, use this troubleshooting guide to correct the problem before contacting AIBO Customer Link. Refer to the "AIBO" Operating Instructions to check AIBO entirely. Should the problem persist, contact the AIBO Customer Link. (See page 3 for details on the AIBO Customer Support.)

	• Remedy
AIBO does not move even when you press the pause button.	The battery pack is not installed to AIBO. Insert the battery pack to AIBO (see page 12). After inserting the battery pack into AIBO, press the pause button again to cancel Pause mode. The battery power is low. Recharge the battery pack or replace the battery pack with a charged one.
When you press the pause button, the chest light flashes green and orange alternately, and a warning sound is output.	The temperature of the battery pack is abnormally high. Wait until the battery cools down.

	• Remedy
AIBO emits a sad melody and does not move when you press the pause button.	The "Memory Stick" with AIBO-ware is not inserted into AIBO. A "Memory Stick" other than one designed exclusively for AIBO (unusable with AIBO ERS-210 series) is inserted into AIBO. The AC adaptor and conversion plug are connected to AIBO's charging terminal. Disconnect the AC adaptor and conversion plug from AIBO, and then restart AIBO.
The battery compartment is locked, and the battery pack can not be charged.	The program is still running. Press the pause button to stop the program.
It takes a long time for AIBO to start moving	AIBO is loading data from the "Memory Stick." Wait a while.
AIBO falls often.	The floor may be too slippery, inclined or unstable Place AIBO on a flat surface that is not too slippery.

	• Remedy
After you pick AIBO up, it moves only slowly without moving its hands and legs.	AIBO stops moving whenever it is picked up from the floor. Check to see if the mode indicator lights or not. If it does, place AIBO on the floor. If it does not move after a while, push its head sensor in the back direction for 3 seconds. AIBO enters Autonomous Dance mode again.
The mode indicator is flashing, and AIBO does not move and its joints are limp.	• AIBO's joint is jammed Place AIBO on the floor and press its head sensor in the back direction for 3 seconds.
The chest light of AIBO flashes orange.	There may be a problem with the battery pack. Check to see if the battery pack is inserted into AIBO's main body correctly. If the chest light flashes although the battery pack is inserted correctly, contact the AIBO Customer Link.
AIBO asks to be charged even with a fully charged battery pack.	With a fully charged battery pack, AIBO Dancer can normally operate for about 1.5 hours (in Autonomous mode). If the operating period continues to be much shorter, the battery pack may be reaching the end of its service life. Replace it with a new battery pack.
AIBO emits no sound.	The volume setting may be set to "0." Adjust the volume higher (refer to the "AIBO" ERS-210 series Operating Instructions).

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