AIBO ERS-7 Illume-Face expressions

This pdf. document enables you to better understand what AIBO is expressing - in Mind 2 - through its face lights. AIBO uses its Illume-Face to communicate with you throughout the day, e.g. when AIBO detects its toys, someone’s hand, voice commands or your face and voice. Each expression appears as an animated pattern on the Illume-Face display, created by LEDs that light up or fade out to varying degrees.

Click on one of the 8 subcategories to find out what AIBO is expressing exactly.

1. AIBO’s six basic expressions  
2. AIBO’s general Illume face expressions  
3. AIBO’s favourites  
4. Energy station search for self-charge  
5. Alarm clock indicator  
6. Battery level indicator  
7. AIBO’s modes  
8. Emergency situations

Remark: this document contains only a selection of Illume-Face expressions. Not all expressions are included.

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1. AIBO’s 6 basic expressions

Regardless of its mood - happy, sad, angry, surprised, afraid or furious - AIBO is always ready to share it with you. Please click on one of these moods and you will see an enlarged picture of it on the right.

Click on one of the small images below and you will see an enlarged version on the right.

Happy  Angry  Sad  Furious  Afraid  Surprised
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2. AIBO’s general Illume-Face expressions

Using its eyes, AIBO is able to communicate a whole lot more than its basic moods. For example, AIBO can tell you when it sees its AIBOne, its pink ball or your face. Please click on one of these twelve expressions in order to find out what they are telling you.
The AIBOne has been detected.

Click on one of the small images below and you will see an enlarged version on the right.
The pink ball has been detected.
A human face has been detected.

Click on one of the small images below and you will see an enlarged version on the right.
The owner’s face has been recognised.
An obstacle has been detected by
the head-mounted infrared distance sensor.
An obstacle has been detected by the chest-mounted infrared distance sensor.
An obstacle has been detected by the right legs (collision).

> whilst AIBO is tracking the AIBOne
An obstacle has been detected by the left legs (collision).

> whilst AIBO is tracking the ball
An obstacle has been detected by the head (collision).

> whilst AIBO is tracking a face
A human hand has been detected.
> whilst AIBO is trying to shake hands
A vertical drop has been detected by the chest distance sensor.
A pink object has been detected.

> whilst AIBO is tracking a pink item
3. AIBO’s favourites

AIBO certainly has its favourites and is willing to communicate about them. Find out how.

> AIBO has detected its **favourite place**

> AIBO has recognised its **favourite things**

> AIBO has been touched by **you**
### AIBO is checking its favourite place

These two Illume-Face patterns slowly alternate whilst AIBO compares the scene with its programmed “favourite place”.

### BINGO! (confirmed)

Once confirmed as being the registered “favourite place”, this Illume-Face pattern will be displayed.

### AIBO has detected its **favourite place**

### AIBO has recognised its **favourite things**

### AIBO has been touched by **you**

**Note:** The image of AIBO’s “favourite place” can be viewed in the “AIBO PHOTO ALBUM”. AIBO selects this favourite place randomly.
The images of AIBO's favourite things can be viewed in the “AIBO PHOTO ALBUM”. AIBO’s “favourite things” need to be programmed by the owner.

If AIBO detects one of the **programmed** ‘favourite things’, AIBO also says the object’s name in its own tonal voice and raises its front paws.

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The green LEDs flash twice slowly.
4. Energy Station search for self-charge

AIBO knows when its batteries are low and immediately looks for its Energy Station to recharge them. At all stages of the process AIBO will communicate with you: when it starts looking for the Energy Station, when it has found it, when it cannot find it or when it gives up searching for it.

Potential problems:

- AIBO lost track of the Energy Station marker.
- AIBO has given up searching for the Energy Station! (flashes once)
## 5. Alarm clock indicator

When sitting on its Energy Station, AIBO can sound a chime and make a movement to signal the hour and half hour (please see the user guide for setup instructions). The hourly alert chime is accompanied by an Illume-Face expression. The number of times the expression flashes is determined by the time. For example, at 3:00:00 pm the expression will flash three times; at 6:00:00 pm the expression will flash six times. Discover the full set of ‘hourly alert’ Illume-Face expressions by clicking below.

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9:00:00
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| 11:00:00 |
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6. Battery level indicator

AIBO is able to tell you its battery status through its LEDs. Learn how AIBO indicates its battery level.

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![Battery Level Indicator](image)
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7. AIBO’s modes

The LEDs next to AIBO’s ears are there to communicate AIBO’s mode. Each color has a different meaning, such as autonomous mode, game mode or repair mode. Discover the meaning of each colour.

Click on one of the small images below and you will see an enlarged version on the right.

Blue  Pink  Green  Flashing Green  Yellow  Red
Blue ON: AEP connected (autonomous mode)
Blue flashing: AEP connected (remote mode)
Click on one of the small images below and you will see an enlarged version on the right.

- Blue
- Pink
- Green
- Flashing Green
- Yellow
- Red

Pink ON: game mode
Your Artificial Intelligence Companion

Click on one of the small images below and you will see an enlarged version on the right.

- Blue
- Pink
- Green
- Flashing Green
- Yellow
- Red

Green ON: taking a rest
Green flashing slowly: pick-up mode

Click on one of the small images below and you will see an enlarged version on the right.

Blue  Pink  Green  Flashing Green  Yellow  Red
Yellow ON or yellow flashing: repair mode
Red ON: alert mode (abnormal temperature)

Click on one of the small images below and you will see an enlarged version on the right.

Blue  Pink  Green  Flashing Green  Yellow  Red
8. Emergency situations

When an emergency occurs, AIBO will inform you immediately through its Illumine-Face: understand how AIBO communicates a jam, a technical overload or a position from which it cannot recover.
Jam mode

If an object has jammed one of the AIBO's joints, AIBO enters this mode and all of its joints release. This mode is designed to protect your fingers from becoming caught in AIBO's joints.

Click on one of the small images below and you will see an enlarged version on the right.
Mechanical overload

When AIBO that its movement or balance is being hindered by an outside force, AIBO cuts the power to its joints in order to avoid incurring any physical damage.
Inability to stand up

After three attempts, AIBO still cannot stand up.

Click on one of the small images below and you will see an enlarged version on the right.