

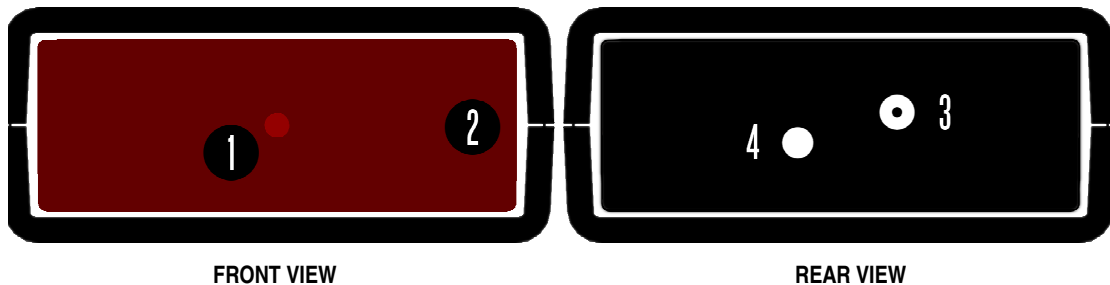
ps3toothfairy

USER MANUAL

Thank you for purchasing the ps3toothfairy device. The ps3toothfairy gives you full IR control of your PS3 (PlayStation 3) console. It is compatible with most brands of universal remotes including the HARMONY, URC, and others. For the latest information, tips, and tricks, please visit us at www.ps3toothfairy.com. Contact us at info@ps3toothfairy.com anytime with comments, suggestions, or questions.

INTRODUCTION

The ps3toothfairy is shown here. The description of each component of the device is listed below. The actual appearance of your ps3toothfairy will vary slightly based on the options chosen.



1. The front panel LED indicator. This LED will illuminate when the ps3toothfairy is receiving valid commands. In addition it provides error and status messages during configuration.
2. The IR sensor (inside the device). This is the sensor that listens for the IR commands from your universal remote. Be sure not to block the view of the sensor.
3. Power input to the ps3toothfairy. **THE REAR PANEL POWER INPUT IS A 2.1MM CENTER POSITIVE CONNECTOR. AN IMPROPER POWER CONNECTOR, POLARITY, OR VOLTAGE MAY DAMAGE THE DEVICE. THE USE OF A REGULATED SUPPLY IS STRONGLY ADVISED TO MAINTAIN WARRANTY COVERAGE AND PREVENT DAMAGE TO THE DEVICE.** The ps3toothfairy will safely operate from a 3.3 to 12VDC input and requires less than 20mA to function. Subminiature wall transformers, USB power cables, and suitable connectors are available from at www.ps3toothfairy.com. When choosing a supply, we suggest using one rated between 4-6VDC and and less than 250mA.
4. Optional 3.5mm wired IR input. The wired IR input is compatible with most household and industrial IR distribution systems. It will automatically sense baseband or modulated signals from 4-12V. A 3.5mm (stereo or mono) cable is required for this input. The input is a standard 2 wire configuration with the signal on tip and the ground on sleeve.

QUICK START FOR HARMONY REMOTES

1. Configure your Logitech Harmony remote for the Game Console w/ DVD / ps3toothfairy / PS3 IR Receiver device.
2. Place the ps3toothfairy within 10 ft (3m) of the PS3 console. Attach the power cord.
3. The red LED on the front panel will illuminate, indicating that the ps3toothfairy is operating. After 10 seconds the LED will turn off and you are ready to pair the device with your PS3 console.
4. Turn on the PS3 using the front panel or your SIXAXIS controller. Select the following options from the home menu with the SIXAXIS: Settings ► Accessory settings ► Register BD Remote
5. Your PS3 console will provide instructions to press SELECT+ENTER on the BD remote control.
6. Aim your Harmony remote at the ps3toothfairy and press the ANGLE soft key. The ps3toothfairy LED will blink twice rapidly and turn off.
7. Within 5 seconds press and release the Harmony START soft key. The LED will illuminate and stay on after the key is released.
8. Press and HOLD the OK button until the PS3 screen changes indicating that your ps3toothfairy has successfully paired with the PS3 console.

Congratulations, you can now control your PS3 from your Harmony remote. Nearly all of the Harmony labels are consistent with the PS3 remote, but you should be aware of the following special key assignments.

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HARMONY	PS3	HARMONY	PS3
OK (Hard Key)	Enter	Info (Hard Key)	Time
Menu (Hard Key)	Top Menu	Exit (Hard Key)	Return
Frame Advance	Slow Play	PwrToggle	PS

NOTE: By default the ANGLE key is mapped to the ATTN key for the ps3toothfairy. To send ANGLE, this button must be pressed twice. To change the behavior or the ATTN key, refer to the advanced operations section.

QUICK START FOR OTHER REMOTES

1. Configure your IR remote control for the Sony PS2 device or the ps3toothfairy device. A complete list of IR codes for other remote systems is available at <http://www.ps3toothfairy.com/support>
2. Place the ps3toothfairy within 10 ft (3m) of the PS3 console. Attach the power cord.
3. The red LED on the front panel will illuminate, indicating that the ps3toothfairy is operating. After 10 seconds the LED will turn off and you are ready to pair the device with your PS3 console.
4. Turn on the PS3 using the front panel or your SIXAXIS controller. Select the following options from the home menu with the SIXAXIS: Settings ► Accessory settings ► Register BD Remote
5. Your PS3 console will provide instructions to press SELECT+ENTER on the BD remote control.
6. Aim your remote control at the ps3toothfairy and press the ANGLE button. The ps3toothfairy LED will blink twice rapidly and turn off.
7. Within 5 seconds press and release the START button. The LED will illuminate and stay on after the key is released.
8. Press and HOLD the ENTER button until the PS3 screen changes indicating that your ps3toothfairy has successfully paired with the PS3 console.

Congratulations, you can now control your PS3 from your universal remote. Refer to the key list at www.ps3toothfairy.com/keys for the exact mapping of the remote buttons. You can stop here or continue to learn about the advanced features of the ps3toothfairy.

NOTE: By default the ANGLE key is mapped to the ATTN key for the ps3toothfairy. To send ANGLE, this button must be pressed twice. To change the behavior or the ATTN key, refer to the configuration section. For viewing BDs, you may wish to "Customize Buttons" for the PopUp Menu key.

ADVANCED OPERATIONS

In addition to providing an IR interface for your PS3 console, the ps3toothfairy provides extra features to better integrate the PS3 console into your media system. These features are available in the ps3toothfairy configuration mode.

The ps3toothfairy is ready to enter configuration mode initially upon power up. When the LED is illuminated, the device will wait up to 10 seconds for the ANGLE key to enter configuration mode. Any other key will cause the ps3toothfairy to enter operation mode. Within configuration mode, you may adjust the behavior of the ps3toothfairy device. Configuration options are saved by the ps3toothfairy even if power is removed.

You may use the ATTN key (default ANGLE) to hold a key press. For example, press and release ATTN, then press and release PS. The ps3toothfairy will hold the PS key pressed for several seconds, or until the PS key is pressed again. This may be useful for macro programming.

CONFIGURATION MODE

1. Configuration mode is allowed upon initial power up or reset (Refer to the RESET section for instructions).
2. While the LED is illuminated press the ANGLE key. The LED will blink once and remain illuminated indicating that it is in configuration mode. By default it will leave configuration mode after 10 seconds of inactivity or immediately after the ANGLE key is pressed.
3. Configuring the ps3toothfairy requires you to select an option number followed by a value. The LED will blink in response to each entry. A single blink indicates success and a double blink indicates an error.
4. Refer to the following table for the configuration options. Note that the ps3toothfairy may accept values other than those listed, however, those are reserved for future use and may result in improper operation.

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- For example to reduce the brightness of the LED, enter configuration mode, then press and release 3, then press and release 2. The LED will blink once for each key, acknowledging your entry. The setting is immediately saved.
- To exit configuration mode, simply wait 10 seconds, or press the ANGLE key. The LED will turn off when the device exits configuration mode and enters operation mode.

DESCRIPTION	OPTION	ALLOWED VALUES
Attention (ATTN) Key	1	Default ANGLE Any key except for a numeric key may be assigned to ATTN. We suggest the EJECT key since it is rarely used during normal playback. (NOTE: In power up and configuration, only the ANGLE key is permitted).
Device ID	2	1-4 (Default 2) 1 : Device 0x9C00, 0xAC00, 24.73, 24.218 2 : Device 0x9D00, 0xAD00, 26.73, 26.218 3 : Device 0x9E00, 0xAE00, 28.73, 28.218 4 : Device 0x9F00, 0xAF00, 30.73, 30.218 Using the device ID, multiple ps3toothfairy devices can be independently addressed. (NOTE: In power up and configuration, the default device Id is always used).
LED Brightness	3	1-4 (Default 3 -- Brightest) Adjusts the LED brightness (1=DIM, 4=BRIGHT) in operation mode.
Sensor Select	4	1 or 2 (Default 1 – Front Panel Sensor) 1 : The front panel IR sensor (The IR sensor is always active in configuration mode). 2 : The rear wired IR input. The wired input will automatically sense baseband or modulated signals and adjust to signal levels between 4 and 12V. (NOTE: In power up and configuration, the IR sensor is always used instead of the wired IR input).
Power Track	5	1 or 2 (Default 1 – Disabled) 1 : Power Track is disabled 2 : Power Track is enabled. When enabled, Power Track will attempt to keep track of the PS3 power status (On/Off). When the PS3 is OFF, the ps3toothfairy must receive a POWER key before it will transmit any signals to the PS3. If any other key is pressed, the LED (if enabled) will blink rapidly 5 times. Once the PS3 is switched ON, it is turned off using the DISCRETE OFF button from your universal remote. At this time the ps3toothfairy will move the PS3 to the off status. Power Track does not affect the ps3toothfairy in configuration mode. Note that only power toggles performed using the ps3toothfairy affect the status.
Discrete OFF Macro [§]	6	1, 4, or 8 (Default 1 – Long Macro) 1: Long macro sequence. Executes a 6 step macro that will turn the PS3 off from a Movie, DVD, or XMB Screen (May not work always function in GAME mode) 4: Short macro sequence. Execute a faster 3 step macro that will turn the PS3 off from all modes EXCEPT GAME. 8: (7 on Version 2 Devices) No commands are transmitted, but the ps3toothfairy will still maintain the status of the PS3 if the Power Track option is enabled.

[§] The PS3 does not natively support discrete power on or off. The discrete functions are provided by the ps3toothfairy and have been tested with current generation / firmware PS3 consoles. It is possible, though unlikely that the manufacturer may update the PS3 console firmware in the future and disable these macros.

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Transparent Mode	7	1 or 2 (Default 1 – Disabled) 1: Disable transparent mode. When disabled, the ATTN key is recognized during operation mode. The ATTN key may be used to reset the ps3toothfairy or enable combination key. 2: Enable transparent mode. When enabled, the ps3toothfairy will ignore the ATTN key during normal operation. The ATTN key is only used during configuration mode. When disabled, the original function of the ATTN key is activated by pressing the key twice. For example if the ATTN key is assigned to ANGLE, pressing the ANGLE button twice, will cause the ps3toothfairy to transmit the ANGLE command. It is best to assign the ATTN to a seldom used key.
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RESTORING DEFAULT FACTORY CONFIGURATION

In the event the configuration renders the device unusable, the factory settings may be restored. To assure a factory restore, you must access the power cord on the ps3toothfairy. Version 2 units may use an alternate method in configuration mode (Option 9 followed by any numeric key then unplug device).

1. To restore the factory defaults, simply unplug the device, wait a few seconds, and plug it back in.
2. While the LED is illuminated, press and HOLD the ANGLE key. The LED will blink and remain illuminated.
3. When the LED turns off, wait about 1 second and release the ANGLE key. At this point the ps3toothfairy will restore its default settings and restart.

RESETTING

Configuration mode may only be entered upon initial startup of the ps3toothfairy. To enter this mode during operation, the ps3toothfairy must be restarted. Note that in transparent mode, the ATTN key is ignored, so this feature is not available.

1. Press and HOLD the ATTN key (by default it is the ANGLE key). The LED will illuminate.
2. When the LED turns off, release the key. The LED will illuminate again, indicating the device has restarted.

COMBINATION KEYS

The ps3toothfairy device supports EVERY combination key supported by the PS3 protocol. The combination keys are the sequences that require you to press multiple keys simultaneously. Combination keys are used only available in operation mode. They are not available in transparent mode.

1. Press the ATTN key (by default it is the ANGLE key). The LED will blink twice rapidly and turn off.
2. Press the first key of the combination. The LED will blink and stay illuminated.
3. Press the second key of the combination. When the second key is released, the ps3toothfairy device will automatically release the first key. If the second key is not pressed within 5 seconds, the system will ignore the ATTN key and return to its normal operating mode.

NOTE: If the ATTN key is mapped over another key, you may still activate the original function by simply pressing the ATTN key twice. For example, by default the ATTN key is mapped to ANGLE. If you would like to press ANGLE, simply press the ANGLE button twice and it will activate the original function.

TROUBLESHOOTING

Be certain that you have FIRMLY attached the power connector to the rear of the ps3toothfairy. To be sure, unplug and plug it back in. With our standard connector there should not be any visible gap between the connector and the device.

Most problems with the ps3toothfairy are configuration errors and may be corrected by restoring the factory defaults. Please refer to the frequently asked questions (FAQ) on our website for the most up to date problems and solutions. You can always contact us on our website at www.ps3toothfairy.com.

WARRANTY

The ps3toothfairy is warranted for 30 days to be free of defects in materials and workmanship. No other warranties or representations of any kind whatsoever, expressed or implied, except that of title, and all implied warranties including any warranty of merchantability and fitness for a particular purpose are hereby disclaimed. The total liability of ps3toothfairy.com and its owners shall not exceed the purchase price of the ps3toothfairy. In no event will ps3toothfairy.com and its owners be liable for consequential, incidental, or special damages.