

INFINITY
WAND
MANUAL

WWW.SPIN-FX.COM
v1.0

Welcome to your Infinity Wand manual! This guide will walk you through a few basic instructions and important safety guidelines to ensure that you and your wand have a long and bright journey together.

PLEASE NOTE

Detailed instructions, video tutorials and safety information can be found on the Infinity Wand *Product* page of our website at www.spin-fx.com

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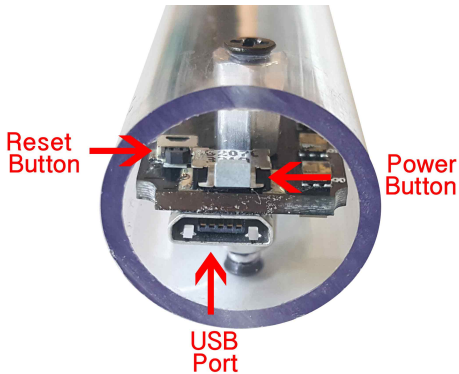
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WAND CARE

Tips to keep that wand flowin' for a long, long time:

- Avoid exposure to extreme hot or cold temperatures for prolonged periods of time.
- Be sure to charge your wand from time to time when you are not using it. Once per month is a good rule of thumb. If you let the wand sit for months without use or charge, the batteries can drain to a critical level and may cause trouble when trying to turn the wand back on.
- Be sure to keep end caps on at all times for maximum protection.
- Try to avoid banging your wand on hard surfaces, dropping in water or exposing to other harsh conditions.
- You can use the foam it arrived in to keep it protected when traveling.

A MAP OF YOUR WAND



Master Control Board



The master board is the “brains” of your wand. This is where all of the main components live such as power, IR receiver, Bluetooth module, etc.

Extension Boards



Four extension boards make up the rest of your wand.

WAND FUNCTIONS

Power Button

You can find this on the SpinFX logo end of the wand by removing the end cap. This is the only means to turn your wand on.

Micro USB Port

This is found next to the power button and is used to connect to your computer and charge your wand.

WHAT'S INCLUDED

Your wand comes standard with a short string, finger loop and black vinyl end caps.

USB Cable

Dual Port Charging Unit
(You can use either port but 2.1A charges faster!)

Remote (x2)

Add-Ons Include:

Long string
Thick String
Silicone Contact End Caps
Contact Grip
Pom Grip

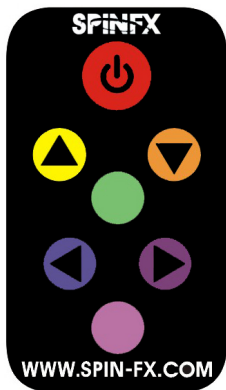
STRINGING YOUR WAND

Make sure that the string is towards you and the LEDs are away from you when you string the wand and spin. The lights should always be away from you and this will help both with balance and for best graphic visibility.

Be aware of string wear and tear. Make sure you always check your string at the center hole to be sure it is not fraying. If it is fraying, you must replace it for your safety and the safety of others!

If re-stringing your wand, be sure to tie an appropriate knot such as the figure 8 knot then be sure to open the loop and pull through your finger loop for a secure hold.

REMOTE FUNCTIONS



By default, the remote has the following functions set:

POWER (RED)

Save settings and go to sleep
You cannot turn your wand on with the power button.

UP/DOWN (YELLOW AND ORANGE)

Changes patterns forward and back

Your wand **MUST** have Autoplay OFF for this function to work.

If Autoplay is ON, the up/down buttons will do nothing.

CENTER (GREEN)

Toggles between Autoplay On/Off. Autoplay On automatically advances through the patterns. When it is off, the wand will remain on the same pattern and you can manually use the remote to advanced forward or back to patterns.

So, say your wand has Autoplay On but you want to change patterns manually – press GREEN, you will see the wand flash RED, now your wand is in single pattern mode, now channel up/down will change patterns forward or back. To put the wand back to shuffling patterns, press the GREEN button again and the wand will flash BLUE to let you know it is back to Autoplay On.

RIGHT/ LEFT (BLUE AND PURPLE)

Increase/decrease brightness

Dimming brightness can help save battery life if you plan on using the wand for long periods of time without needing to charge it.

BOTTOM (PINK)

Battery Status Indicator - wand will act as a battery gauge and display the current battery level. Fully charged wand is fully lit, as battery drains, fewer LEDs will show and color will change from green to yellow to orange to red when there is little charge remaining.

NOTE: You are able to manually change the remote functions - that's an advanced feature and you can refer to the scripting tutorial on our website for more details on that.

Changing Remote Batteries

Type of Battery: Lithium 3V CR 2025

Remotes will display a red IR signal light when a button is pressed if they are in good working order. If that light does not appear or begins to dim, it's time for a new battery.

CHARGING

- Wall unit is main means of charging which takes about 2-3 hours for a full charge. The 2.1 A USB port charges faster than the 1 A port but using either is fine.
- You can also charge from your computer or any other standard USB port including car chargers and portable chargers.
- A red light will appear when charging and will turn green when fully charged.
- The wand has a safety feature that will automatically shut the wand off before the batteries get critically low. If your wand turns red and shuts off automatically, give it a full charge.

CONNECTING YOUR COMPUTER

Connecting

- Plug in USB cable from wand to computer, turn on wand, find WAND drive and open it
- Review the files – patterns (.bmp) and settings.cfg
- deviceinfo.txt shows firmware version your wand is running

How to remove patterns

- Delete the files you no longer want (but be sure to save them on your computer in a separate file for later use)

How to add patterns

- Drag and drop OR copy/paste the bitmap (.bmp) files into the WANDA Drive

*For details, please watch the *Tutorial Videos* on our website www.spin-fx.com.

Changing Settings

- Settings.cfg is a text file
- This is the file where the settings are saved on your wand. If the file is not present or deleted by accident, the factory defaults are used so do not worry.
- To edit this file use a text editor like Notepad on Windows or Text Edit on Mac.
- You can change settings here like brightness, autoplay and sort mode. Refer to the Basic Settings Tutorial on the website for more info.
- Some of these settings you'll definitely want to know about, others are not necessary.
- **Remember to SAVE your settings file**, eject the WANDA drive and then turn your device off. Turn the wand back on and

your new settings will be loaded and ready for action!

PATTERN MAKING

You can use Photoshop, Pixlr.com, or any photo editing software.

Basic Rules

Start with an all Black image. A black background turns the LEDs off. The format is in bpp (bits per pixel) bitmap. This indicates the color depth. Any color depth will work.

Think of each Pixel as an LED of your wand. So how big can your pattern be in pixels for a wand? As many pixels as there are LEDs in your wand. If your pattern is too large for your wand it will be cut off. If it is smaller than your wand, the pattern will be repeated until the wand is filled.

NOTE: Be sure not to use spaces in the name of your pattern but use _ underscore instead. Only use letters, numbers or underscores in the names of your patterns, otherwise it will not work and you will see a red flashing pattern instead.

Example: white_chase.bmp

Also uploading files from other smart LED companies....

*For complete details, please read our *Pattern Making Tutorial* PDF step-by-step guide located on our website www.spin-fx.com.

SCRIPTING

Scripting allows you to command a Wand which pattern to display at certain time marks for example with music. That means you can

choreograph the pattern display to a song of your choice for performances with one or multiple wands or other SpinFX LED tool.

There are some changes that will need to be made to the settings file to properly play the script so we suggest downloading our Script Template Files on the Tutorial Tab of the Wand page on our website. You can save the Script template and adjust the time and patterns to your liking. Save the new script, settings file and all the new patterns you include in your script onto your wand drive! The Pink button on your remote will now be set to start your script after the wands are turned on in their holding pattern.

*For complete details, please watch our *Scripting* webinar located on youtube.com/spinfxentertainment

CHOREO MODE

Choreo Mode allows for multiple Wands to synchronize the timing of patterns. This is great for performance troupes that want to choreograph performances with multiple wands or SpinFX LED tools.

First upload the script you would like to each prop and then in the settings file remap the pink button on the remote to "restart_script" This button will be used to synchronize the props when they are turned on.

There are a few more important steps you will need to follow in order to properly use Scripting and Choreo Mode.

If you have any questions please email us at support@spin-fx.com

*For complete details, please watch our *Scripting* webinar located on youtube.com/spinfxentertainment

FIRMWARE UPDATES

One of the most incredible features of this wand is that it always has the capability to become more advanced. The best part of that is, once you have your wand you can get the updated advancements by simply connecting your wand to your computer and running a simple firmware updater. This ensures that your wand has the latest and greatest features. This updater can be found in the "Firmware Updater" tab of the Wand Page on our website for both PCs and MACs.

TROUBLESHOOTING

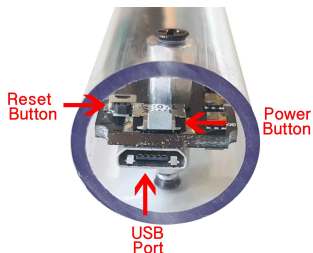
There are many amazing features of the Wand and as such, it will take you some time to get familiar with all of them. So be patient with yourself as you would if you were learning a new language.

We have an awesome “Troubleshooting” tab on the Wand page that can answer a lot of your questions, so be sure to start there. Here are a few main things you will want to know:

RESET

There are 2 ways to reset your wand if the wand is acting strange or not turning on. The first way is by holding the power button down for 5-10 seconds until you see a single bright green LED on the strip light up. If you open the top end cap of the wand, there is also a small black rectangular reset button

located on the end tip of the circuit board to the left of the power button next to the silver standoff.



You can press it **GENTLY** with a blunt object like a paperclip or hairpin. You should then also see the single bright green LED light up. This indicates the wand is reset and the patterns should start playing.

REFORMAT

A reformat completely erases your wand drive of all files and gives it a fresh start. This may be needed if the wand is stuck perhaps because of corrupt files being uploaded to it.

Be sure to save all of the files on your wand in a folder so you can reload them later.

PC: To reformat right click on the WANDA drive while it's plugged in to your computer. Click "format" and ok. Once finished reload your patterns and settings file on to your wand and it's ready to go!

MAC: To reformat go to Utilities>Disk Utilities>Click WANDA drive on left>Click Erase tab at top>Click Erase...>and Ok. Once finished reload your patterns and settings file on to your wand and it's ready to go!

We also have the detailed Reformat Tutorials with photos under the Tutorial tab on the Wand page to assist you.

There are many resources on our website where you can troubleshoot, learn and explore the

wonderful possibilities of your Infinity Wand. FAQ, Troubleshooting and Tutorials tabs on the Wand Product Page are a great place to start your journey. And remember, the wand is your oyster. Once you learn the workings of it, you can control and guide it in any way you want.

If the website does not answer your questions, you can reach our support team at support@spin-fx.com.

APP CONTROL

The SpinFX App is available for Android and iOS and can be found in the Google Play Store or App Store as "SpinFX Remote" The App has the ability to view the remote functions such as changing patterns, folders, wand modes, brightness, view patterns and more.

*For complete details, please watch our *App Tutorial* Video located on our website www.spin-fx.com.

WARRANTY

SpinFX offers a one-year warranty on its wand internal electronics. Batteries have a 6-month warranty due to the nature of lithium-ion batteries. This excludes the wand being smashed into things, water and fire damage. Tubing is not covered under warranty. We will, however, replace it for a reasonable fee.

LED wands are filled with sensitive components that sometimes may be damaged or worn. We have worked hard and have performed extensive testing to make a durable and reliable wand for our customers. Please note that it is the responsibility of the user to take

care of their wand. Please refer to the care instructions at the beginning of this manual for a reminder of tips.

SERVICE

For questions, repairs, warranty, troubleshooting, and other service issues, please fill out the *Service Request Form* on our website at www.spin-fx.com/service-request.

BATTERY SAFETY & WARNINGS

- To promote the safe use of remote-controlled devices that contain rechargeable lithium-ion batteries, we recommend the following:
- Do not leave the wand unattended while charging it.
- Battery charging should be performed by adults.

- Charge the wand on a non-flammable surface and keep it away from flammable items.
- Unplug the wand from charger when battery is charged.
- Disconnect wall chargers from outlets while not in use.
- If the wand has been damaged, immediately stop use, unplug, and safely move the wand away from flammable materials.
- Follow SpinFX instructions for charging the wand.

DISCLAIMER

This product has the potential for injuries. By purchasing, ordering and or using the product or any products from SpinFX, Inc. or its affiliates and partners, you and (or related users) are responsible for any risks, injury or damage. You release SpinFX, Inc. and affiliates, employees, and partners from any

responsibility or liability for any injury, accident or death caused by any of its products whether directly or indirectly. It is the responsibility of the individual user to take the necessary precautions to minimize hazards. Using this equipment states that you fully accept these terms and conditions and that you are accepting full and unconditional responsibility for any and all consequences caused.

MOST IMPORTANT

The Infinity Wand is a powerful medium to express your creativity, inspire others around you and feel fulfillment within. It is the intention and mission of SpinFX to support your unique wand journey. We encourage you to share your story, experiences, photos, videos and custom patterns with the

community on the *SpinFX* Facebook
or Instagram page:

facebook.com/spinfxentertainment

IG: [spinfx_](#)

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We look forward to meeting you
there and seeing the magic you
create!

CREATE ♥ INSPIRE ♥ SHINE
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