



## Before you start sprayprinting, please find time to read through this instruction.

### Using the App

- Download the app from the App Store or from Google Play depending on which operating platform your Smartphone uses.

- Create a user for yourself in the app or in the web platform [community.sprayprinter.com](http://community.sprayprinter.com)

After signing in you can upload your own designs, browse through ready-made designs uploaded by other users and much more.

- You can browse our collection of designs and buy them from the web at <http://community.sprayprinter.com>. All the purchased designs will be added to your collection which you can see from both the web and mobile app. You can add designs that are free of charge straight from the app to your collection. Designs that are not free, can only be bought from the web.

- You can also print designs that you load directly to your phone's gallery. How to prepare the image so that it can be sprayprinted read: "Creating your own designs".

- When you have chosen a design that you would like to print, open it in the printing mode

by tapping on it. You can now assign colors to the different layers and change the printing order by dragging the layers. The bottom layer that should be printed first is on the top.

- When you are happy with the colors press "Ready". Now you can set up your phone as directed in the "Printing section" then press the accept button "✓" on the right.

On the left there is the settings button where you can change the pixel size and print speed. You can also switch on/off the freehand mode and print once function.

- Pixel size – Use bigger values when filling larger same color areas (2.5 - 5). When printing finer textures or details use smaller values (1.2 - 2.5). Other function for this button is compensating the pixel size when the can gets emptier.

- Print speed – controls how many pixels are printed per second. At first it is recommended to use lower speeds like 20 or 25 to get the right feel for printing. When filling in bigger areas then higher speeds (50 - 100) can be used.

- Freehand – this button deactivates the tracking so that the printer will fire pixels whenever the trigger is pressed. Care should be taken when using this mode.

Freehand mode is ideal for changing colors in the printer and cleaning it. **Never aim the printer at yourself or anyone else, paint is difficult to remove and can damage the eyes.**

- Print once – when activated the printer remembers the pixels that are already printed and prevents printing the same pixels many times over. This is useful when for example you stop your hand mid printing still holding the trigger. Only one pixel will be printed. If this mode is off, the printer will keep firing the same pixel as long as the trigger is pressed or you will move the printer away from that spot. Working with spray once mode off can be faster and if you're already a confident sprayprinter user the results can be smoother. But at first we recommend to have it turned on.

### Community

[Community.sprayprinter.com](http://community.sprayprinter.com) is a platform for buying ready-made designs, uploading your own designs and communicating with other SprayPrinter users.

### Purchasing designs

If you have found the perfect design from our marketplace, click the button "Add to my collection" and you can purchase the files needed for sprayprinting. Many of the designs are free of charge and by clicking the button, the designs will automatically go to "My Collection". You can see the designs you have uploaded yourself and the designs you have bought by clicking the "My Collection" link on the top menu.

### Uploading your own designs

Everyone can upload their own designs from the "Upload" link on the top menu. The guidelines for editing the files can be seen by clicking "Show design guidelines" button on the top left corner. You can also read a short walkthrough on how to correctly edit an image to a printable file at [sprayprinter.com/support](http://sprayprinter.com/support) by clicking "How to make sprayprintable files".

### Making your designs public

By ticking the box "Public", everyone can see and download your design. You can add a price or share it free of charge. Public designs need to be reviewed before they become available to everyone. If you are submitting a design for personal use, keep it private (do not tick the box) and it will be available to you immediately. A design's status can be changed at any time.

### Getting paid

If you make your design public, you can set a price for it. At the end of each month all the purchases are calculated and the artist's fee will be transferred to the author of the design (minus the taxes and third force fee).

### Using SprayPrinter community to create designs from your photos

If you want to sprayprint your own custom image, some photo editing needs to be done. You can see the guidelines under the "Creating your own designs" section. If you prefer not to do it yourself, it's possible to contact our artists who can do it for you for an extra fee.

### Printing

If you are sprayprinting for the very first time we recommend trying to print our tutorial image "Crystal Butterfly at the Heart of the Winter Solstice" or "Sail" - You can find the tutorial video at [sprayprinter.com/support](http://sprayprinter.com/support).

- Before you begin make sure you have the spray paints to finish the design. When we tested the design (5 x 5 ft or 1,5 x 1,5 m) it took us nearly two hours so take the time and prepare a charging option for your phone (cord or a power bank).

You can use all standard size spray cans (300 or 400 ml with a 65 mm diameter). Only water-based paints are allowed because they are more printer friendly. Solvent based paints are not recommended. For maximum quality we also recommend using spray paints that are meant specifically for artistic use. We have a close partnership with MTN and we've mostly used their water-based spray paints in our testing.

- It is a good idea to have the design printed on paper so you can see it during the printing process.

- Although we have preset the colors for our tutorial print feel free to choose your own colors. There are three colors used in the tutorial. To print the tutorial design, follow the points below:

1. Choose a location for the design.

2. Set up the tripod and put your phone on it. SprayPrinter's package can also be used as a phone holder/tripod (since the package isn't very stable you could try taping it to somewhere sturdy so as to avoid any movement of the phone during the changing of the settings). You can adjust the size of the image by moving the camera either closer to or further away from the wall.

3. It is helpful to put some guiding marks on the wall in case you might need the phone for other purposes during the printing time. It is more convenient to continue printing and find the same location if you have marked the area, with post-it notes, for example (these will also help you better understand the size of the design when there are no other reference points in the camera's view).

4. Attach the spray can that you need for the first layer to the SprayPrinter. When attaching the spray can to the printer, position the can diagonally and when attached push the can straight. The can won't attach to the printer easily when trying to push it in at a 90° angle.

5. Switch on the SprayPrinter (from the button at the lower part of the device). SprayPrinter is

automatically in freehand mode until you have loaded an image to the printer. So care should be taken not to press the trigger accidentally.

6. Aim the nozzle to a safe direction and press the trigger to let the paint fill the printer. When the paint starts to spray, release the trigger.

7. Now you are ready to print. Put the printer on the wall so that the rollers are touching the wall. When you press the trigger the tracking LED is illuminated and when you move the printer along the wall the position of the printer is being tracked and whenever you go onto an area that should be printed the pixels are printed.

8. It is recommended to start printing the design from the top of the design, that way you don't have to go over the freshly printed pixels with the rollers. Otherwise there will be some smearing.

9. The accuracy is higher when moving your hand steadily so it is recommended to print the outer areas of the layer slowly. Then you can fill in the inner part faster. Freehand mode can be used to make the process faster.

10. When you are happy with the result you can load the second layer to the printer and start the process over again.

11. You can't go back to a previous layer. Restart the app, load the image again and do only the layer which you want to improve. You can change the order of the different layers by holding your finger on the layer and moving it up or down in the printing order.

12. Make sure to turn off SprayPrinter when you have finished working with it.

## Creating your own designs

The design needs to be split into different layers for the different colors and uploaded as separate files. The printer recognizes 320x320 pixel png files and the non-printable area must be made transparent.

You can find the tutorial on how to make printable files at [sprayprinter.com/support](http://sprayprinter.com/support).

## Uploading your designs

*Via the community webpage* - sign up at [community.sprayprinter.com](http://community.sprayprinter.com). You can find the instructions on how to upload your files there.

*Directly to phone* - Download the design to your phone via email or some other means. Choose

"phone gallery" on the opening page of the app. You can sign in or choose "as guest". Select the layers of your design. The layers need to be 320x320 pixels in the png file format with a transparent background.

## Maintenance

### Cleaning the printer

To make sure that the printer will last for a long time some care should be taken. When you have finished the design it is highly recommended to clean the printer using either SprayPrinter's cleaning liquid or a 20 ml syringe filled with water. Do not use the needle of the syringe. Push the syringe onto the small plastic nozzle on the bottom of the printer. If it doesn't fit cut about 4mm off the syringe's nozzle or until it fits. Put the printer in freehand mode and print speed to a 100 or close to that. Aim the printer in a safe distance. Push the trigger down and press the water out of the syringe. Repeat this process until the water that comes out of the printer's top nozzle, seems clean.

When using SprayPrinter's colors or other water based spray paints you have to use water to clean the printer. When using solvent based paints, water will clog the printer so solvents must be used to clean the printer. See the paint information label to make sure which kind of paint you are using. Do not use solvent-based paints. SprayPrinter only supports water-based paints.

### Storing the printer

It is advised that you don't remove the spray can when you leave the printer idle for a short time (up to 2 days). But when putting SprayPrinter away for a longer time you should clean the printer thoroughly (see "Cleaning the printer") and remove the spray can. Store the printer in room temperature, switched off.

### Charging the Battery

The battery should last long enough to finish any print. So after printing you should charge your SprayPrinter. You can use the USB cord provided with the printer. You have to charge directly from the power outlet. Laptop USB ports don't have a high enough electrical current to charge SprayPrinter's battery. **IMPORTANT! During charging the printer must be switched on otherwise the battery will not charge.**

**Thank You!**