



# **Nibiru S85 Spooler App**

# **Nibiru S85 Logo Creator**

version 1.1, april 2017

## 1. Using the S85 Spooler and running the demo app

- a. Turn on the S85 Printer
- b. Launch the **S85 Spooler App**
- c. You should see a message telling you “S85 discovered and ready”
- d. press the HOME button on your iPhone or iPad and you’re ready to go.
- e. Upload the “S85Demo.fmp12” file to your device using iTunes (you can also download the file directly from our web site and open it in Filemaker GO)
- f. launch Filemaker GO and open the S85Demo.fmp12 file
- g. Run the demo and check that everything works.

## 2. Developer’s info and integration with Filemaker

The S85 Spooler App receives command from filemaker using the custom URL protocol (see Apple developer notes about this).

The custom URL used by the S85 Spooler App has the following format:

**s85spool:///data=<your S85 print commands>**

Opening an URL in Filemaker GO will invoke the S85 Spooler App and pass your list of print commands to the S85 Spooler App.

### 2.1 S85 Spooler App print command reference

The S85 Spooler App receives commands in plain ASCII (7-bit) and process them as a single print JOB.

As an example the following list of print commands (print commands are written in boldface for better understanding):

**PRINTCENTER**  
**BOLDON**  
**RECEIPT**  
**BOLDOFF**  
**LF**  
**PRINTLEFT**  
Vanila Ice Cream  
**LF**  
**PRINTRIGHT**  
(usd) 3.75  
**LF**

will print out following text:

<div><div>RECEIPT</div><div>Vanilla Ice Cream</div><div>(usd) 3.75</div></div>
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#### PRINT

<text to be printed>

Prints the text on the next line with the current alignment.

#### PRINTLEFT

<text to be printed>

Prints the text on the next line left aligned.

#### PRINTCENTER

<text to be printed>

Prints the text on the next line center aligned.

#### PRINTRIGHT

<text to be printed>

Prints the text on the next line right aligned.

#### CONNECT

<printer name to connect to>

If your device is not discovered it may have a different name (default is “ID321 Printer”), use this command with your printer name to start a connection with a different named S85 Printer.

#### LF

Performs a line feed command.

#### AL

The text printed after this command will be left aligned.

#### AR

The text printed after this command will be right aligned.

#### AC

The text printed after this command will be center aligned.

#### SEP1

This command print a single separator line (32 characters).

#### SEP2

This command print a double separator line (32 characters).

#### TYPE0

Sets the character set to type 0.

#### TYPE1

Sets the character set to type 1.

#### BOLDON

Sets the character style to bold.

#### BOLDOFF

Turns bold off.

#### DHON

Sets the character double height to on.

#### DHOFF

Sets the character double height to off.

#### DHON

Sets the character double width to on.

#### DHOFF

Sets the character double width to off.

#### ULON

Sets underline to on.

#### ULOFF

Sets underline to off.

### SETFMCB

<filemaker callback>

Sets the Filemaker Callback script. When the callback is set the Spooler returns control to FileMaker GO after printing. If not specified the Spooler remains active.

*Example:*

### SETFMCB

rag.fmp12?script=printCompleted

### CLRFMCB

Clears the Filemaker Callback script.

## 2.2 S85 Spooler App bitmap command reference

### OBM

Starts BitMap Data. Bitmap data is by default printed center aligned. If you wish to change this behavior add alignment commands after this one.

### BMD

<bitmap data>

Sends the bitmap data to the printer.

### CBM

Ends BitMap Data.

To generate the bitmap data you can use our free tool S85 Logo Creator, downloadable from our website. If you want more control over the appearance of your graphic pre-process the graphic using an image processing application.

## 2.3 Sample bitmap graphic code

[illegible]

### 3. Version history

12 march 2017 v1.0 Initial release

7 april 2017 v1.1 Added connection command info