

Author(s): YBa, YMa
Date: July 2019
Version: 3

Printing with EasyOne Air

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1 Scope

This document describes how reports can be printed to a PDF file or to an EasyOne Air compatible printer. Find a list of compatible printers below.

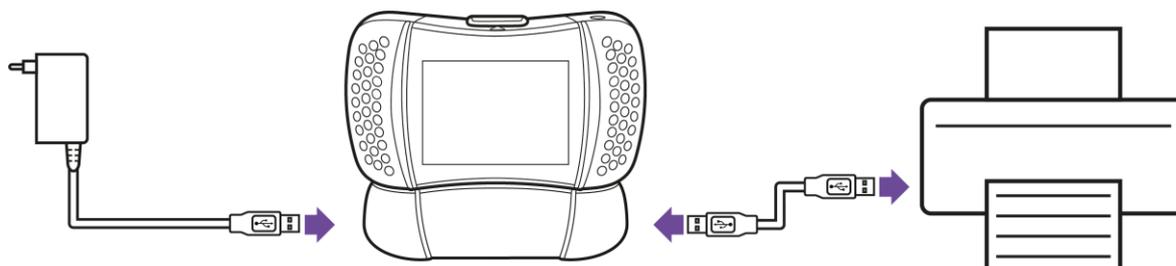
2 Printing to an external printer

2.1 Setup

Connect EasyOne Air to the printer. There are two possible setups:

- Direct connection to printer.
- Connection to printer via the cradle.

In the picture below, EasyOne Air is connected to the printer (and battery charger) via the cradle:



Start the device and select *External printer* under *Tools->Settings->Print*. Configure additional settings such as page size or margins, if desired.

Refer also to the section “setting up the physical components” in the Operator’s Manual [1].

2.2 Procedure

- Select an item under *Reports*. Click *Print*.
- Wait until the report has been printed. Click *OK*.

2.3 Printer compatibility

There is a large choice of printers on the market, each supporting different print formats (or languages). In order to print successfully, the printer must support at least one of the following formats:

1. Direct PDF
2. Postscript
3. HP PCL 3 Enhanced protocol
4. HP PCL3GUI (Firmware \geq V1.10.0)

Application Note



The table below provides a list of printers¹ that have been tested to date. Note that some printers do not work even though they meet the specifications above. The printers known to be available to date on the market are highlighted in blue.

Manufacturer	Model	Compatible	Printing language	Supported since firmware version	Comments
Epson	Ink Tank L310, M105, L130, L220.	No	-----	-----	
HP	Color LaserJet CP1515n	Yes	PCL	V1.6.1	
HP	DeskJet 6940	Yes	PCL	V1.6.1	Tested black and white only.
HP	LaserJet 500 M551 color	Yes	PDF	V1.6.1	Very high printout quality.
HP	LaserJet Pro M203dw	Yes	PDF	V1.11.0	Very high printout quality.
HP	HP LaserJet Enterprise M506	Yes	PDF	V1.6.1	Black and white printer. Prints PDF via Postscript in grayscale.
HP	OfficeJet 150 Mobile All-in-One	Yes	PCL	V1.6.1	
HP	OfficeJet 200 Mobile	Yes	PCL	V1.6.1	Very fast. Color printer.
HP	OfficeJet 8100	Yes	PCL3GUI	V1.10.0	
HP	OfficeJet 8210	Yes	PDF	V1.6.1	
HP	OfficeJet H470	Yes	PCL	V1.6.1	High quality, compact printer.
HP	OfficeJet Pro 251dw	Yes	PDF	V1.6.1	Very high printout quality.
HP	OfficeJet Pro 6230	Yes	PCL3GUI	V1.10.0	Color print.
HP	PageWide Pro MFP 477dw	Yes	PDF	V1.6.1	Very high printout quality. Very fast.
HP	DeskJet 2130 All-in-One series, Deskjet Ink Advantage 2020, 2130, 2700 series	Yes	PCL3GUI	V1.10.0	
HP	DeskJet 1110	Yes	PCL3GUI	V1.10.0	

¹This list is purely informative, n d d is not affiliated with any of the printer manufacturers mentioned in this list.

HP	DeskJet 1112	Yes	PCL3GUI	V1.11.0	
HP	DeskJet 3639	Yes	PCL3GUI	V1.10.0	
HP	DeskJet 3755	Yes	PCL3GUI	V1.11.0	
HP	Laser Jet 4250n	Yes	PCL	V1.6.1	
Lexmark	M5155	Yes	PDF	V1.11.0	
OKI	C531dn	Yes	PCL	V1.6.1	Very high printouts quality. Output scaled 95% of original size.
TSC	ALPHA-4L	Yes	TSPL	V1.7.0	Thermal printer, 112mm (4.4") wide paper roll, 203 DPI, optionally battery operated.
TSC	DA200	Yes	TSPL	V1.7.0	Thermal printer, 112mm (4.4") wide paper roll, 203 DPI.

3 Printing to a PDF file

EasyOne Air can print reports to a PDF file on the *exchange* drive on the device. The printouts can then be accessed via a PC when the spirometer is connected via USB. Note that no special software is needed for this function.

3.1 Setup

Start the device and select *PDF printer* under *Tools->Settings->Print*.

3.2 Procedure

- Select an item under *Reports*. Click *Print*.
- Wait until the PDF file has been created. Click *OK*.
- Connect the device to a PC (via cradle or directly). Usually, a pop-up window opens displaying the *exchange* drive.
- If no pop up window appears, try opening the *exchange* drive manually. E.g. on Windows 8, select *This PC->EasyOne Air->exchange*.
- Select the desired PDF printout. Hint: the file name contains the date and time of the report.

4 Printing to a thermal printer

EasyOne Air can print reports on thermal printers.

4.1 Setup

Start the device and select *Thermal printer* under *Tools->Settings->Print*.

Connect the printer to EasyOne Air via USB. The printer uses a mini USB connector, so one of the following solutions is required:

Solution 1: use a USB 2.0 **OTG** cable, type Micro A to Mini B:



Solution 2: use the USB A cable delivered with EasyOne Air together with the following adapter (purchased separately):

Micro USB 2.0 OTG adapter cable – USB A female to Micro USB B male.



4.2 Procedure

- Select an item under *Reports*. Click *Print*.
- Wait until the report has been printed. Click *OK*.

5 References

[1] ndd. 2017. *EasyOne Air Operator's Manual*. Zürich.