Smart Switch

Advanced switch with charging and data transfer.

Manual version: 1.0

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Contents

Introduction

The Smart switch is and advance switching unit which is providing power to external device and enabling OTG operation.

Specifications

Unit Dimensions	27 mm x 14 mm x 12 mm + cable 0.5m long
Weight	15 grams

How it works

Smart Switch must be connected to Android device with onboard micro USB cable and then on one side user must connect USB power bank which will provide power for charging and on other micro USB connector an external device which communicates with the tablet. Supported devices are Snipe, T3000 or FlyMate.

Mode of operation

OFF position: power to external device will be terminated and charging of android device will be active

ON position: OTG communication will be established between Android device and external device, while external device will receive power from USB power bank. If there is any power loose on USB power bank during active communication, Smart Switch will automatically switch to Android device power so there will not be any interruption in operation between external and Android device!

Physical overview

Figure 1 and Figure 2 shows the Smart Switch.

Figure 1: The Smart Switch

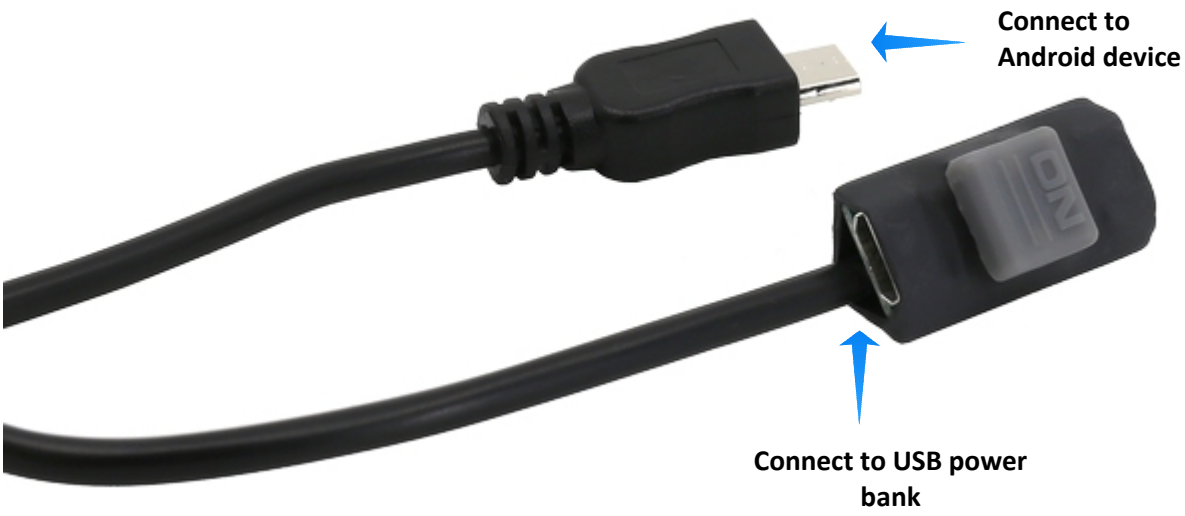

Figure 2: The Smart Switch

Important notice – known issues

1. If cheap USB power bank is used it may interfere with Snipe RF reception and reception will be bad. Fix: Use high quality USB Power bank.
2. Some Andorid devices have intelligent OTG mode. If they do not detect any current getting out of device OTG mode will not be active. Fix: Turn off power bank, switch Smart Switch on and then turn Power bank on.

Revision history

09.10.2019	v1.0	- initial release