



# USB I&P Box

Programming Tool Kit

**Quickstart Guide**

## Step 1: Check the Kit Content

1x USB I&P Box

1x USB Cable

1x 10 Pin Connector Cable

1x Quickstart Guide

1x USB flash drive with the software

## Step 2: Prepare the Connector Cable

Pin #	Color	Signal	Optional
1	Brown	5V Supply	
2	Red	3.3V Supply	
3	Orange	SPI-CS(0)	
4	Yellow	I2C-SCL	Index*
5	Green	SPI-CLK	
6	Blue	I2C-SDA	A*
7	Purple	SPI-MOSI	
8	Grey	SPI-CS(1)	B*
9	White	SPI-MISO	AOut**
10	Black	GND	

**Note:** Use in 3,3V mode only

\*for AS5X47Y

\*\*for AS5600

### Step3: Getting started with the Kit

- ✓ Get the software from the flash drive and make sure that you are using the latest version. If not download it from our webpage
- ✓ Open the setup file and follow the instructions of the Software Setup Wizard
- ✓ Use the USB cable to connect your computer and the USB I&P Box
- ✓ Connect a compatible Magnetic Position Sensor Adapterboard by using the correct wires of the Connector Cable (refer to **Step 2**)
- ✓ Open the installed Software on your computer
- ✓ Select the connected device from the menu
- ✓ Start programming the connected device

## Support

Download the latest manual and software version from the product webpage:

<http://www.ams.com/eng/Support/Demoboards/Accessories/Evaluation-Tool/USB-I-P-Box>

### Note:

**This Programmer is for LAB Evaluation only.**

**Do not use it as a Production Programmer!**

## Contact Information

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