Thank you for purchasing FrSky Smart Port Air Speed Sensor ASS-70/ASS-100. It is designed for FrSky Smart Port enabled system, and can provide Air Speed data for your entire flight. In order to fully enjoy the benefit of it, please read the instruction manual carefully and set up the device as described below.

Specifications:

**ASS-70**:  
- Operational Voltage: DC 4 -10 V  
- Current consumption: 20mA@5V  
- Measure airspeed range: 0~270km/h (0~167.7mile/h)  
- Circuit Board: Weight 7 g, dimensions 33.29×22.26×12.55mm  
- Pitot Tube: Weight 4 g, length 101mm, diameter 2.6 mm  
- Pitot Tube Hose: Silicon, clear, 3 feet (1 meter), 2.2mm ID, 3.8mm OD  
- Reset button – user calibration  
- Compatibility: FrSky Smart Port enabled receivers, such as X8R, X6R, X4R, etc.

**ASS-100**:  
- Operational Voltage: DC 4 -10 V  
- Current consumption: 25mA@5V  
- Measure airspeed range: 0~360km/h (0~223.7mile/h)  
- Circuit Board: Weight 5 g, dimensions 33.14×17.14×10.45mm  
- Pitot Tube: Weight 4 g, length 101mm, diameter 2.6 mm  
- Pitot Tube Hose: Silicon, clear, 3 feet (1 meter), 2.2mm ID, 3.8mm OD  
- Reset button – user calibration  
- Compatibility: FrSky Smart Port enabled receivers, such as X8R, X6R, X4R, etc.

Set up:

Following the steps to finish the setting procedures:

1. Assembled pitot tube with the circuit board into a Air Speed Sensor, as shown in figure.  
   Notice: Avoiding any loose tubing.

2. Choose the position of the Air Speed Senor, the static holes on the pitot tube (As Figure) should extend at least 13mm past the wing’s leading edge, or past any other obstructions - the farther out, the better. This is ensure the static holes and pitot pickup are in undisturbed air.

**ID Set up:**

Each type of FrSky Smart Port enabled sensor has its unique physical ID. The default physical ID for this sensor is 10. The ID number could be changed by FrSky Servo Channel Changer. Please refer to the instruction manual of FrSky Servo Channel Changer for details.

**LED Status**

<table>
<thead>
<tr>
<th>LED Status</th>
<th>Smart Port Connection</th>
<th>Airspeed Provide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash quickly</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td>Flash Slowly</td>
<td>NO</td>
<td>NO</td>
</tr>
</tbody>
</table>