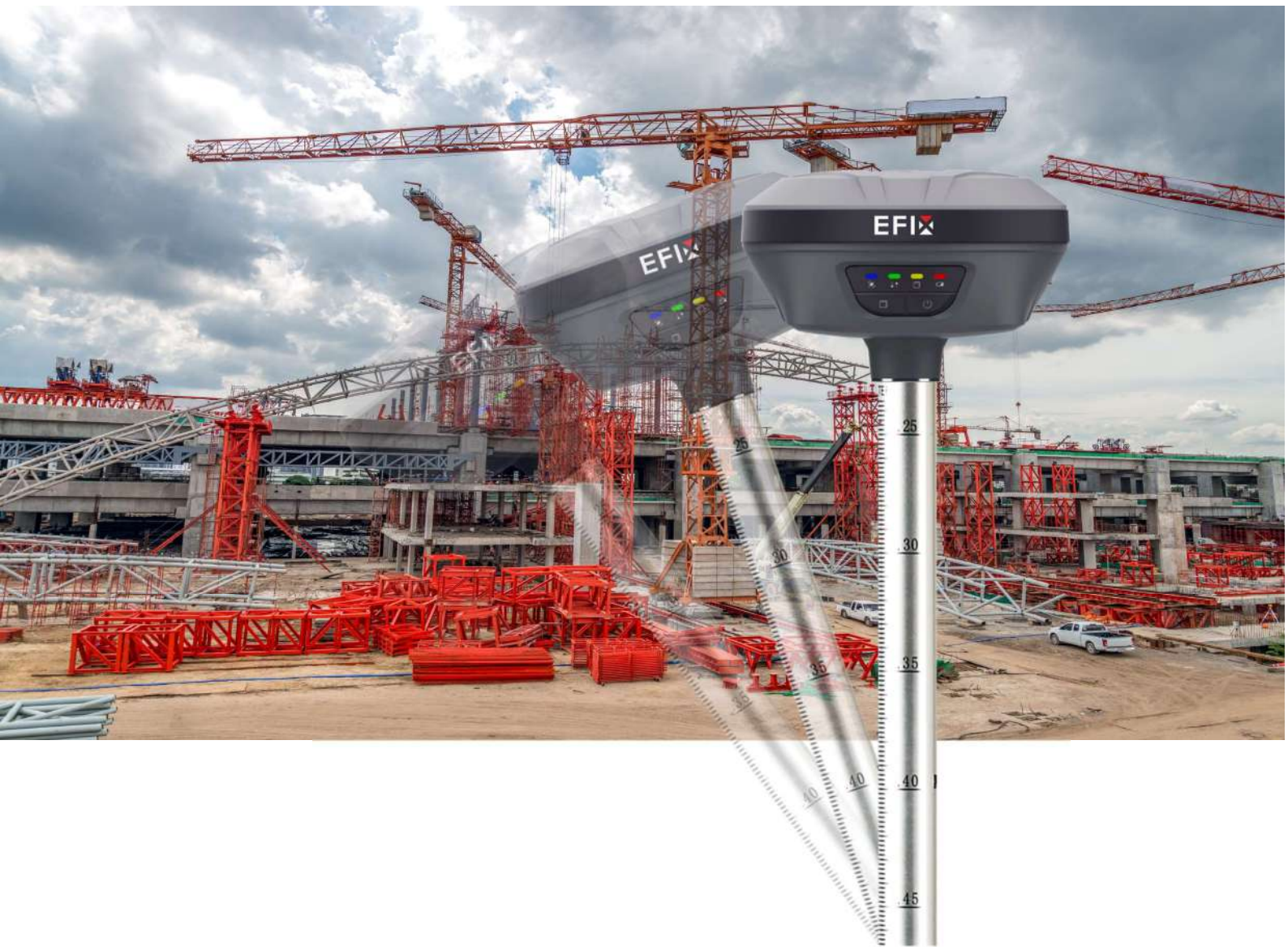# EFIX F7 GNSS IMU Quick Guide
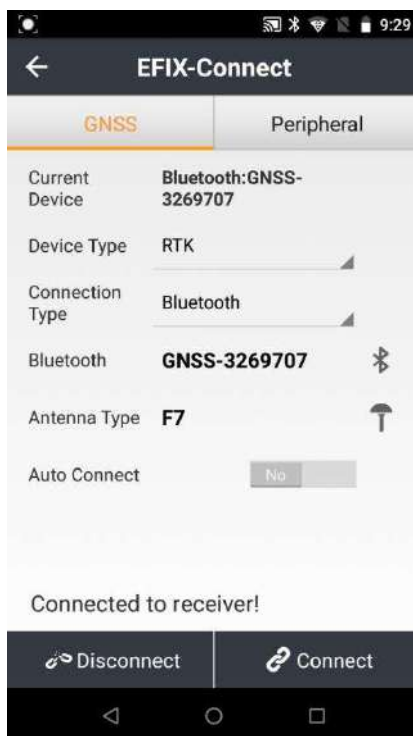
Building the intelligent world with precise time and space.
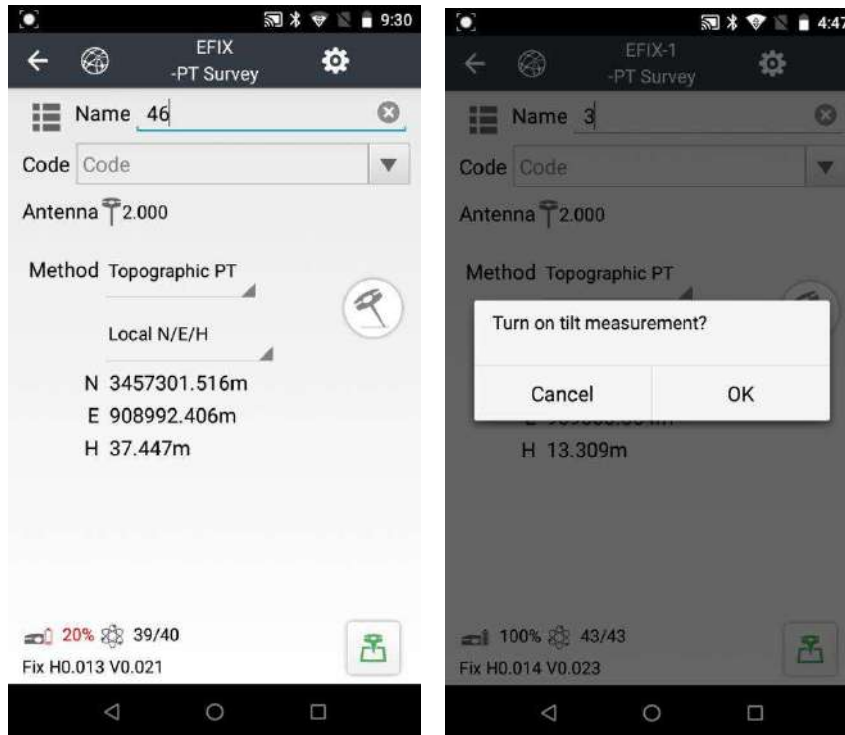
Working with the Tilt Compensation
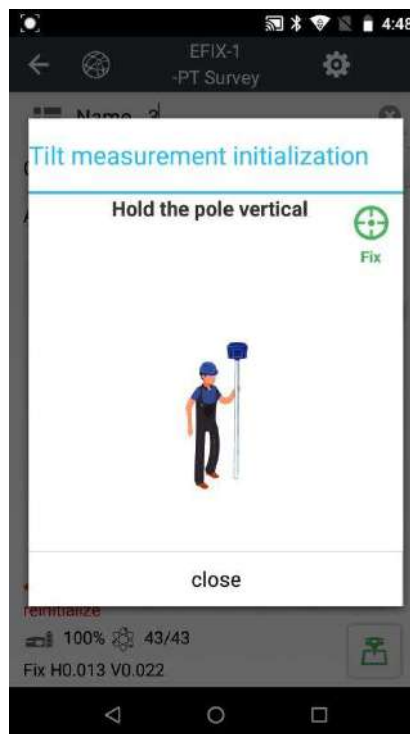
Operation Steps

(1) Open eField-> Tap Connect-> Choose 'Device Type' as 'RTK', 'Antenna Type' as 'F7'.

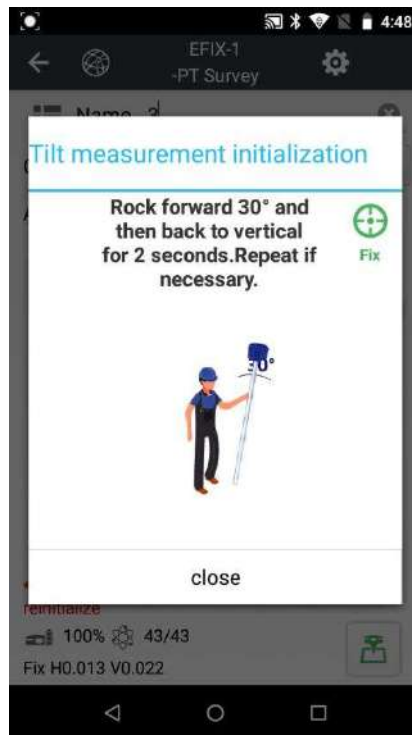(2) Tap PT Survey-> Tap [icon] to activate tilt measurement.

(2) Hold the pole vertical and keep it static for a while.

(3) When the message change, rock the pole forward and back to vertical, repeat it about 3 to 4 times.

(3)

(4) This icon will appear when the initialization is successful.

(4)

(5) Enter the Name and Antenna, then tap ![icon] point will be collected and store to Points automatically.

(6) When this icon ![icon] appears, the text will show "Tilt compensation unavailable. Keep pole vertical and leveled." at the bottom of interface.

(7) Tap ![icon] to close tilt compensation.

Notes of using tilt measurement

1. At the beginning of initialization, the pole height of the instrument should be the same as that antenna height in the software.

2. In the process of tilt measurement, if the controller shows that "Tilt compensation unavailable. Keep pole vertical and leveled." (red), please keep RTK vertical and leveled for a while until the reminder disappears.

3. The controller will prompt "Tilt angle too large, the accuracy will be lower. " when the receiver is stationary over 30 seconds or the pole hit the ground toughly.

4. The pole cannot be shaken when point is collected.

5. Initialization is required:

- when the RTK is turned on every time;

- when IMU module is turned on every time;

- when receiver drops at working;

- when the pole is tilted more than 65 degree;

- when the receiver is stationary more than 10 minutes;

- when the RTK rotates too fast on the matching pole (2 rounds per second);

when the pole hit the ground toughly.

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This document is intended for general information purposes

only. It does not consider the reader's specific circumstances

and environmental constraints of use of GNSS

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