FOR BETA USE ONLY

This tool is intended to be used for debugging and calibration data collection.

IRT_GUI.EXE VERSION 1.6+

REQUIREMENTS

- 1. ANT+ USB dongle similar to this
- 2. Install ANT+ USB drivers. TrainerRoad has a great debugging article here.
- 3. <u>Microsoft .NET 4.0 Framework</u> is required, but if you have Windows 7 SP1 or greater you should not need to install this

INSTALLATION

- 1. Download the zip file from http://www.insideride.com/beta-downloads
- 2. You will likely need to **Unblock** the download before extracting it otherwise Windows Smart Screen will prevent the app from launching:

IRT_GUI Properties			
General Secu	irity Details		
	IRT_GUI		
Type of file:	Compressed (zipped) Folder (.zip)		
Opens with:	Windows Explorer Change		
Location:	C:\Users\Jason\Downloads	-	
Size:	488 KB (500,448 bytes)		
Size on disk:	492 KB (503,808 bytes)		
Created:	Today, October 24, 2014, 1 minute ago		
Modified:	Today, October 24, 2014, 1 minute ago		
Accessed:	Today, October 24, 2014, 1 minute ago		
Attributes:	Read-only Hidden Advanced		
Security:	This file came from another computer and might be blocked to help protect this computer.)	
	OK Cancel Apply		

3. Extract to a location on your computer



BASIC USAGE

Once launched, the application will start recording data to the directory where you copied the app. The file will be in use until you close the application. The log files will have a name similar to: irt_1.1.0_20141024-151853-1.csv

Name

RT_GUI

- 1. Wake your rollers by giving them a nudge or pushing the button
- 2. Wake your power meter by turning the crank or wheel on your bike
- 3. Ensure that all apps that use your Garmin ANT+ USB dongle are closed (TrainerRoad, Garmin agent, etc...)
- 4. Launch the tool by double clicking on the file IRT_GUI.exe
- 5. The tool should automatically find your E-Motion Rollers and it will start requesting values one at a time, it can take several minutes until all fields are populated.

R	E-Mo	otion Test Tool 1	.6.7		- 🗆 🗙
Calibration (Curve) Drag RR Get Set Start Load	Get/Set Parameter	E-Motion Rollers Device ID Serial No Firmware Rev Hardware Rev Model Battery Voltage Operating Time Servo Offset Flywheel	0 Search DFU 0 Charging	Power Meter Device ID Manufacturer Model Type	0 Search Load
Profile Weight (kg) Wheel (mm) Get Set	Activity O.0 Distance (km) O:00:00 Timer	00.0 мрн 0.0 Average	Watts O Average	000 watts 0 Average	30 (sec)
Resistance	0 : Suurbing	E-Motion channel stat	us changed: Searching	3	~ ~

6. To find your power meter press Search:

Power Meter		\frown
Device ID	0	Search
Manufacturer		\sim
Model		

When connected, your power meter's Device ID will be populated.

7. Click the **Chart** button to get some visual feedback while riding. RECOMMENDATION: Position the windows so that you can see the averages and the chart at the same time.

	Charting		
200			F ⁴⁰
150			-33
100 Mar			-26 Societ Mp
50			-19 =
a		1	+5

8. To set servo positions click the **Positions** button to launch the form:

Magnet Positions				
Magnet OFF: Magnet MAX: Choose up to S with a value g Magnet OFF: 2 Positions 3	2000 700 Depositions starting reater than the 2000	Position 1300 1000 700		
	ОК	Cancel		

9. Select the number of **Positions** and enter values between 2,000 (no resistance) & 700. Effectively above 1,500 there should be no actual resistance.

FIRMWARE UPDATE

The device is capable of receiving firmware updates to fix bugs and implement new features. Flashing the device is done via Bluetooth from either an iOS or Android device using the nRF Toolbox app. Instructions specific to iOS and Android are posted separately.