

How to record algorithm data

Steps

1. Set up torque value

a) Once the issue happened, set up torque value as 99 to turn on the recording, then keep standstill for 2 minutes then do auto steering for 8 minutes.

| Installation Settings | Not Calibrated | | Back | | | | | |
|--------------------------|---|--|--|--|--|---|---|---|
| - | | | Other | Parameters | | Calibrat | tion Param | eter |
| Steering Controller | Not Calibrated | | Control Mode | Mode2 | * | Response L | 18.0 | Set |
| Installation Error | Not Collibrated | | Torque | 99 👩 | Setup | Steer Ratio | 0.0 | Set |
| Calibration | Not Calibrated | | PGain | 25 | Setup | Steering De | 0 | Set |
| Advanced | Calibrated | | DGain | 80 | Setup | Steering De | 0 | Set |
| oottiinigo | | | WAS Dead | 2 | Setup | Overload C | 300 | Set |
| | | | Max RPM | 20 | Setup | Overload Ti | 10 | Set |
| | | | Softness | 100 | Setup | Motor Feed | 2 | Set |
| | | | Calibtration | 0.1 | Setup | Motor prop | 600 | Set |
| | | | | | | Motor integ | 400 | Set |
| | Settings Steering Controller Installation Error Calibration Advanced Settings | Settings Not Calibrated Installation Error Calibration Mot Calibrated Advanced Settings Calibrated | Settings Not Calibrated S Steering Not Calibrated Installation Error Not Calibrated Advanced Settings Calibrated Settings Calibrated Settings Calibrated Settings Calibrated Settings Calibrated Settings Calibrated Settings Calibrated Settings Calibrated Settings Calibrated Setting Setting Setting Setting Setting Setting Setting Setting Set | Settings Other Control of the Control Mode Controller Control Mode Calibration Error Not Calibrated Calibration Calibrated Calibration Calibrated Calibrat | Settings Not Calibrated Other Parameters Control Mode Mode2 Installation Error Not Calibrated Calibration Calibrated Calibration Calibrated Calibrated Settings Calibrated Settings Calibrated Other Parameters Control Mode Mode2 Torque 99 PGain 25 DGain 80 WAS Dead 2 Max RPM 20 Softness 100 Calibtration 0.1 | Settings Not Calibrated Installation Error Calibration Not Calibrated Advanced Settings Calibrated Calibrated DGain 80 Setup DGain 80 Setup Setup Max RPM 20 Softness 100 Setup Calibration 0.1 Setup | Settings Other Parameters Calibrat Steering Not Calibrated Mode2 Response L Installation Error Calibration Not Calibrated Torque 99 serup Steer Ratio Advanced Settings Calibrated Advanced Calibration Calibrated Serup Steer Ratio DGain 80 Serup Steering De VAS Dead 2 Serup Overload C Max RPM 20 Serup Motor Freed Calibration 0.1 Serup Motor integ | Stettings Other Parameters Calibration Parameters |

b) After get everything done, please set up torque value as original value to turn off the recording, for example 5 here.

| ← Steering Calil | brations | | | | | | | |
|------------------------------|----------------|---|--------------|------------|-------|-------------|------------|-------|
| Installation Settings | Not Calibrated | > | Back | | | | | |
| | | | Other | Parameters | | Calibra | tion Param | eter |
| G Steering Controller | Not Calibrated | > | Control Mode | Mode2 | - | Response L | 18.0 | Setu |
| Minimized Installation Error | Not Calibrated | | Torque | 5 | Setup | Steer Ratio | 0.0 | Setu |
| Calibration | Hot Galibrated | | PGain | 25 | Setup | Steering De | 0 | Setu |
| Advanced Settings | Calibrated | | DGain | 80 | Setup | Steering De | 0 | Setu |
| | | | WAS Dead | 2 | Setup | Overload C | 300 | Setu |
| | | | Max RPM | 20 | Setup | Overload Ti | 10 | Setup |
| | | | Softness | 100 | Setup | Motor Feed | 2 | Setup |
| | | | Calibtration | 0.1 | Setup | Motor prop | 600 | Setu |
| | | | | | | Motor integ | 400 | Setu |
| | | | | | | | | |



2. Download the algorithm data

a) Connect to PA-3 wifi with PC



b) Go to Google browser and enter the http://192.168.1.1/mnt/ to download all data one by one.

| ← → C ▲ | 不安全 192.16 | 8.1.1/ı | mnt/ |
|----------------------------|----------------------|---------------|--------------------------|
| | | | |
| ndex of /mnt | / | | |
| Nane | Last Modified | Size | Туре |
| Parent Directory/ | | - | Directory |
| AlgorithmsParasDatas/ | 2023-Apr-18 15:25:05 | - | Directory |
| System Volume Information/ | 2022-Aug-05 13:57:52 | - | Directory |
| repo 3448940/ | 1980-Tan-01 00:00:00 | - | Directory |
| rtk_record/ | 2023-Mar-14 03:06:36 | - | Directory |
| BasePoseFileName.txt | 2023-Apr-15 05:37:00 | 0.1K | text/plain |
| GAConfigFilev1.0 | 2022-Feb-23 06:08:42 | 0.1K | application/octet-stream |
| WA-suff-file.txt | 2023-Apr-18 12:37:57 | 0.1K | text/plain |
| ex_net. dat | 2022-Dec-07 09:02:42 | 10.7 H | application/octet-stream |
| ipad. dat | 1980-Jan-01 00:00:00 | 5.5K | application/octet-stream |
| ipad. log | 2022-Oct-27 08:24:34 | 1.7M | text/plain |
| net_0.dat | 2022-Nov-01 06:53:14 | 134.4K | application/octet-stream |
| net_0.log | 2022-Oct-27 07:16:20 | 1.7M | text/plain |
| novatal. log | 2023-Apr-10 07:15:12 | 0.0K | text/plain |
| | 2023-Apr-18 13:31:38 | 0.1K | application/octet-stream |
| rtx_mode | area why we werearea | | |

| Name | Last Modified | Size | Туре |
|--------------------|----------------------|------|--------------------------|
| Parent Directory/ | | - | Directory |
| CrossLine.txt | 2023-Apr-18 15:30:43 | 2.2M | text/plain |
| Gasensor_test | 2023-Apr-18 15:25:05 | 0.0K | application/octet-stream |
| gpsOneantiFile.txt | 2023-Apr-18 15:30:43 | 1.9M | text/plain |
| gpsimu. txt | 2023-Apr-18 15:30:43 | 1.9M | text/plain |
| noAngleUsedata.txt | 2023-Apr-18 15:30:43 | 2.5M | text/plain |
| result.csv | 2023-Apr-18 15:30:43 | 1.9M | application/octet-stream |



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