**MAVLINK PARAMETERS SPECIFICATION**

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| --- | --- | --- | --- | --- | --- |
| Enum or Struct | Member’s name | Value type | Value range | Unit | Discription |
| gParamID | FW\_VERSION | uint8\_t | Refer \* |  | Firmware version |
| HW\_VERSION | uint8\_t | Refer \* |  | Hardware version |
| PROD\_SN | uint32\_t | Refer \* |  | Product serial number |
| PITCH\_KP | int16\_t | Full range |  |  |
| PITCH\_KI | int16\_t | Full range |  |  |
| PITCH\_KD | int16\_t | Full range |  |  |
| ROLL\_KP | int16\_t | Full range |  |  |
| ROLL\_KI | int16\_t | Full range |  |  |
| ROLL\_KD | int16\_t | Full range |  |  |
| YAW\_KP | int16\_t | Full range |  |  |
| YAW\_KI | int16\_t | Full range |  |  |
| YAW\_KD | int16\_t | Full range |  |  |
| POWER\_P | int16\_t | 0 to 100 | % |  |
| POWER\_R | int16\_t | 0 to 100 | % |  |
| POWER\_Y | int16\_t | 0 to 100 | % |  |
| FOLLOW\_P | uint8\_t | 0 to 100 | % |  |
| FOLLOW\_R | uint8\_t | 0 to 100 | % |  |
| FOLLOW\_Y | uint8\_t | 0 to 100 | % |  |
| POLES\_MOTOR\_P | uint8\_t | 4 to 100 |  |  |
| POLES\_MOTOR\_R | uint8\_t | 4 to 100 |  |  |
| POLES\_MOTOR\_Y | uint8\_t | 4 to 100 |  |  |
| DIR\_MOTOR\_P | int8\_t | 0 or 1 |  | 0: Normal Direction, 1: Reverse of 0 |
| DIR\_MOTOR\_R | int8\_t | 0 or 1 |  | 0: Normal Direction, 1: Reverse of 0 |
| DIR\_MOTOR\_Y | int8\_t | 0 or 1 |  | 0: Normal Direction, 1: Reverse of 0 |
| MIN\_TRAVEL\_P | int16\_t |  |  |  |
| MAX\_TRAVEL\_P | int16\_t |  |  |  |
| MIN\_TRAVEL\_R | int16\_t |  |  |  |
| MAX\_TRAVEL\_R | int16\_t |  |  |  |
| GYRO\_TRUST | uint8\_t | 0 to 100 | % |  |
| GYRO\_LPF | uint8\_t | 0 to 100 | % |  |
| RC\_LPF\_P | uint8\_t |  |  |  |
| RC\_LPF\_R | uint8\_t |  |  |  |
| USE\_32KHZ\_8KHZ | uint8\_t |  |  |  |
| USE\_SBUS\_PPM | uint8\_t |  |  |  |
| SBUS\_CHAN\_P | uint8\_t |  |  |  |
| SBUS\_CHAN\_R | uint8\_t |  |  |  |
| SBUS\_CHAN\_Y | uint8\_t |  |  |  |
| SBUS\_CHAN\_MODE | uint8\_t |  |  |  |
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