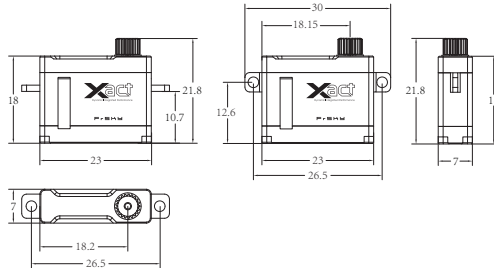


Overview

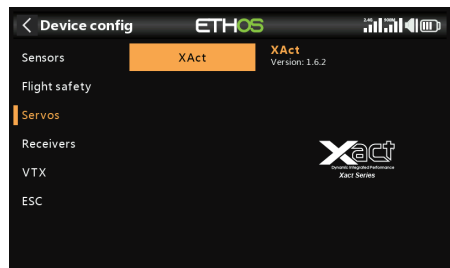
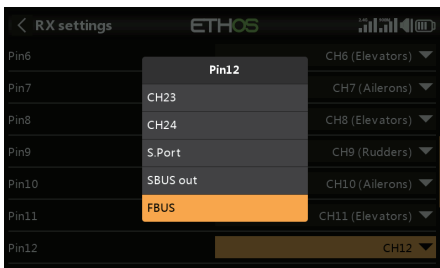


Specifications

- Dimension: 23×7×18mm (L×W×H)
- Weight: 7.5g
- Horn Spline: $\Phi 4$ 15T
- Operating Voltage: 3.5V-8.4V
- Refresh Rate: 1520us/333Hz | 760us/700Hz

| PERFORMANCE | TORQUE SPEED @4.0V | | TORQUE SPEED @4.8V | | TORQUE SPEED @6.0V | | TORQUE SPEED @7.4V | | TORQUE SPEED @8.4V | |
|-------------|---------------------------------|---------------------------------|-------------------------|---------------------------------|-------------------------|---------------------------------|-------------------------|---------------------------------|-------------------------|---------------------------------|
| | LD5801 LD5801A | 1.90 kgf.cm 26.4 Oz-in | 0.09 sec/60° | 2.20 kgf.cm 30.6 Oz-in | 0.08 sec/60° | 2.90 kgf.cm 40.3 Oz-in | 0.06 sec/60° | 3.40 kgf.cm 47.2 Oz-in | 0.05 sec/60° | 3.80 kgf.cm 52.8 Oz-in |

How to Operate Servos in FBUS Mode *FBUS*



1. Ensure that an FBUS-capable receiver is bound to the radio, and the receiver's ports or channel ports (those connected to FBUS-capable servos) have been set to FBUS mode.

Channel Port Setting:

Navigate to [Model] → [RF System] → [RX1/2/3] → [Options] → [Pin]

Telemetry Port Setting:

Navigate to [Model] → [RF System] → [RX1/2/3] → [Options] → [Telemetry Port]

2. Once configured correctly, the FBUS-capable servos will automatically work in FBUS mode. This enables both configuration capabilities and telemetry feedback on the servos.

Servo Configurations:

Navigate to [System] → [Device Config] → [Servos] → [XAct]

Servo Telemetry Data:

Navigate to [Model] → [Telemetry]

Description of Parameter Settings

ETHOS ▸ [Device Config] ▸ [Servos] ▸ [Xact]

| | |
|---|---|
| Physical ID | When multiple servos are used simultaneously, each servo must be assigned a unique ID. |
| Application ID | When using the same type of sensors from different devices simultaneously, each device must be assigned a unique application ID to avoid conflicts. |
| Data Rate | Data Transmission Interval. |
| Range (90°/120°/180°) | Rotation angle range of the servo gear. |
| Direction (Clockwise/Anticlockwise) | Servo rotation direction. |
| PWM Pulse Type | 1500us / 760us options |
| Channel | The channel assigned for data transmission while the servo is operating in FBUS mode. |
| Center | Servo motor neutral position adjustment |
| Save to flash | Save the configured settings to flash memory |

Telemetry Data of Xact Servos

ETHOS ▸ [Model] ▸ [Telemetry]

| | |
|-----------|-------------------|
| SRV# Curr | Servo Current |
| SRV# Volt | Servo Voltage |
| SRV# Temp | Servo Temperature |