Dynamixel AX-12A Smart Serial Servo

○ Upgrade Information

1. Easier and stable cable organization

Additional holes created for easier and stable cable organization.

2. Second notch for zeroing added at the horn

Easier to verify zeroing with notch I (top) and notch II (bottom).

⚠ The notches, I top, in both products are still the same. Please keep in mind during assembly.

3. Strengthened frame assembly at nut/bolt holes

The new design increases durability and reduces damaged rates.

4. Nut assembly improvement

The horn and nuts have been fixed inside the horn to strengthen assembly.

SPECIFICATIONS

- Weight: 54.6g
- Dimension: 32mm x 50.1mm x 40mm
- Minimum Control Angle: 0.29¡ Æ X 1,204
- Gear Ratio: 254:1
- Holding Torque: 15kgf.cm (at 12V, 1.5A)
- No Road Speed: 59 RPM 12V
- Motor: Cored Motor
- Operating Mode:
  1. Actuator Mode (0¡ Æ ~ 300¡ Æ)
  2. Wheel Mode (Endless Turn)
- Operating Temperature: -5C~ +70C
- Operating Voltage: 9V ~ 12V (Recommended Voltage 11.1V)
- Maximum Currents: 900mA
- Standby Currents: 50mA
- Command Signal: Digital Packet
- Protocol Type: Half dúplex Asynchronous Serial Communication (8bit, 1stop, No Parity)
- Link (Physical): TTL Level Multi Drop (Daisy Chain Type Connector)
- ID: 254ID (0 ~ 253)
- Communication Speed : 7843bps ~ 1Mbps
- Feedback: Position, Temperature, Load, Input Voltage, etc
- Material: Engineering plastic
- Position Sensor: Potentiometer

INITIAL SETTING (default)

- ID: 1
- Baud rate: 1 Mbps
- Please change the setting of ID and baud rate depending on your operating environment.

COMPATIBLE PRODUCTS

- Controller: CM-5, CM-510, CM-2+, CM-700
- Interface(I/F): USB2Dynamixel
- Frame: Frames for Bioloids

Accessories NOT included