THE WING

2011 JR PROPO ALL PRODUCTS CATALOG

Continually Evolving JR Technology

New DMSS System Enables Two-way Communications

Release of XG7 7-channel Radio Control System incorporating a Telemetry Function

The Global Brand

JR PROPO®

introduction

Progress is Verified in the Field

Products created following requests from flyers and the pursuit of progress by engineers are required to demonstrate their value in the field. JR continues to move forward at the leading edge of R/C systems, creating highly attractive products based on technology fostered from new concepts. Following the development of the 2.4GHz DMSS system in 2010, JR has now developed the XG7, which realizes two-way communication that have been repeatedly requested by flyers. In high performance servo systems, JR has also released its MPH Series of linear hall-sensing servos, which replace potentiometers with hall elements. Amongst the helicopter range, JR is continually releasing attractive products, including large-sized gasoline models and 90 Class electric helicopters. Based on its global brand name, JR will continue to respond to flyers' expectations with constantly evolving new technology and ideas.

contents

Constantly Setting High Targets, Looking Far into the Future

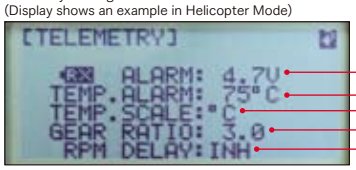
Responding to flyers' requirements for reliability in a variety of flight situations, JR has continued to evolve thehigh performance standards that it has fostered over the years. Three years after starting to use the 2.4GHz band as a radio frequency for R/C, the next target has been a communication system that allows the flyer to determine the condition of the aircraft from its distant location. In response, JR has developed DMSS (Dual Modulation Spectrum System), a new system that enables two-way communication (telemetry), and has just released the XG7 7-channel mid-class R/C transmitter incorporating the same system. This provides users with improved reliability in radio controlled flying.

New Feature: “Telemetry” = Two-Way Communication

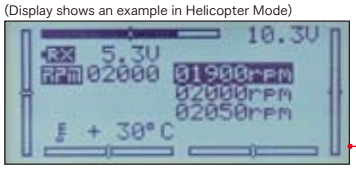
Changing R/C Flights using “Two-way Communication”

JR has succeeded in evolving transmitter and receiver systems, which previously offered one-way operation, into “two-way communication” that enables the transmitter to monitor various conditions in the aircraft during flight. By displaying aircraft conditions such as receiver battery voltage and engine revolution rate in real time while the aircraft is in flight, this previously unmeasured information can be used to allow monitoring of flight performance

Telemetry Setting Screen
(Display shows an example in Helicopter Mode)



Sub Information Screen
(Display shows an example in Helicopter Mode)



RX ALARM
This gives a warning of reductions in receiver voltage using an alarm. By setting an optional numerical value, an alarm will notify the user when the receiver voltage has dropped below the set value.

TEMP. ALARM
In the situation where a temperature sensor (available separately) has been mounted, an alarm will notify when a rise in temperature is detected that is greater than the set temperature. The temperature can be set between 60-160˚ C. In the case where the default “INH” condition is set, there will be no alarm and it will be possible to display the temperature.

TEMP. SCALE
This allows switching between the units for the temperature setting - it will be possible to select Celsius (˚ C) or Fahrenheit (˚ F).

GEAR RATIO
In the situation where a rotation sensor (available separately) has been mounted, the engine speed and Rotor RPM (referenced to the gear ratio) will be displayed.

RPM DELAY
(Only for Helicopters)
When recording the maximum rotation speeds in each Flight Mode, recording will start following a time delay after the Flight Mode has been switched (Helicopter mode only). The delay can be set between 0.5-2.0 seconds.

Sub Information Screen
A Sub Information Screen is provided in the XG7. From the top of the screen , the “Receiver Voltage”, “Engine Speed + Rotor RPM in each Flight Mode”, and “Temperature” are displayed.

PROGRAM Continually Evolving Program Groups

Inherited Program Groups with Proven Reliability

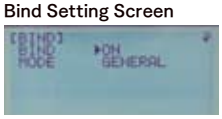
Information Screen

The display screens on the large-size graphical LCD boast high visibility.

System List Screen

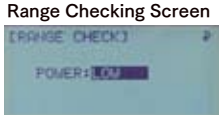
This is the screen for listing the system settings that is already familiar to JR users. The settings can be smoothly accessed using the 3D jog input dial.

Bind Setting Screen



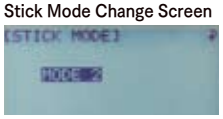
In the XG7, the Bind Setting function in the system settings can be used to carry out binding (pairing) with receivers.

Range Checking Screen



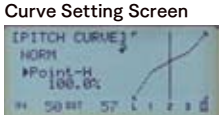
In the Range Checking function, by matching the cursor to the Power option and pressing the dial to switch to the “LOW” setting, the radio wave output power will be reduced. This is used in pre-flight range testing.

Stick Mode Change Screen



A Mode Changeable Function is incorporated that allows the stick mode to be selected as Mode 1 or Mode 2. (Stick spring change will be necessary.)

Curve Setting Screen



The display of the pitch curve is smooth on the graphical LCD. Trouble-free setting can be carried out using the easy-to-understand screen display.

Creation of a New System based on Reliability

DMSS
DUAL MODULATION SPECTRUM SYSTEM

The TL logo
This logo is only displayed on products that support the JR telemetry system.

The new DMSS system is not compatible with the existing 2.4GHz DSM2 system.

DMSS PROPO

XG7
DMSS DUAL MODULATION SPECTRUM SYSTEM

System: DMSS/Computer Mixing
No. of channels: 7ch
Transmitter weight:
620g (Excluding battery)

Basic Functions

- Servo Reverse
- Left/Right Control Surface Angle Adjustment
- Dual Rate & Exponential
- Sub Trim
- Advanced Digital Trim
- Throttle Idling Trim
- Trim Memory
- Gear Switch
- Stick Spring Adjustment
- Trainer Jack
- Model Switching/Copying: 18 Models
- Model Names: Maximum 8 Characters
- Data Reset
- Fail Safe
- Servo Monitoring
- Trainer System: 2 Type Selection Possible
- Type Switching: 2 Type Selection Possible
- Various Types of Alarms and Timers
- Throttle Cut
- Mode Changeable (Mode 1 or 2)
- Bind/RF Settings
- Telemetry Settings
- Sub Information Screen
- Range Checking

Airplane Functions

- Program Mixing: 6 Systems
- ELEV → FLAP Mixing
- AILE → RUDD Mixing
- Flap System
- Wing Type Settings

Helicopter Functions

- Flight Mode: 4 Systems
- Auto Dual Rate
- Gyro Sensitivity Adjustment
- Throttle Hold
- Throttle Curve: 3 Systems: Fixed 5 Points
- Program Mixing: 3 Systems
- Revolution: 2 Systems
- Pitch Curve: 4 Systems: Fixed 5 Points
- Swash Type: 4 Types
- Warning Messages

DMSS RECEIVER SYSTEM

No.03423 RG831B
DMSS 2.4GHz 8-channel Receiver
- Dimensions (mm)/ Weight (g) : 14.5x25.5x48/15
- System : DMSS 8ch
- Coaxial Antenna
- Remote Antenna (RA01T) Attached
- Telemetry Module
  (Incorporated in remote antenna)

No.03408 RA01T
DMSS Remote Antenna for 2.4GHz Receiver
- Dimensions (mm)/ Weight (g) : 5.5x27x28/4
- Built-in Antenna
- Telemetry Module

RG411B

No.03422 RG411B
DMSS 2.4GHz 4-channel Receiver (For Park Flight)
- Dimensions (mm)/ Weight (g) : 9x18x35.5/3.5
- System : DMSS 4ch
- Built-in Antenna
- Auto Binding System
- Telemetry Module

RG611B

No.03424 RG611B
DMSS 2.4GHz 4-channel Receiver (For Park Flight)
- Dimensions (mm)/ Weight (g) : 9x23x36/5
- System : DMSS 6ch
- Coaxial Antenna
- Auto Binding System
- Telemetry Module

DSX 11

2.4GHz SPREAD SPECTRUM TECHNOLOGY

Complete Lineup of functions incorporated in a State-of-the-art, Ergonomically Designed Body. The Strongest DSX Transmitter.

The trim levers that were previously located on the side of the transmitter have been arranged on the rear face, offering improved usability.

BACK STYLE

SPEC

System: DSM2/Computer Mixing
No. of channels: 11ch
Transmitter weight: 860g (Excluding battery)

DSM2 2.4GHz

2.4GHz Dedicated Model

No.08510 JR-SDM2G
This is the only SD memory card for which operation with the DSX11/11X ZERO is guaranteed.
* Other commercially available SD memory cards may not operate correctly with these transmitters.

An SD card slot is incorporated in the battery storage compartment. In addition to storing model data, the card enables system software version upgrading. (SD cards can be purchased separately.)

The built-in LED that lights up on the rear face of the transmitter can be easily seen during range checking (distance testing) of the aircraft, allowing the radio wave condition to be checked.

Sub Information Screen

* The screen shows an example in Helicopter Mode

This is the Sub Information Screen that was newly established in the DSX11. In addition to the timer display, battery voltage display, and the enlarged display of the Flight Mode switch position, the throttle stick position and each of the throttle pitch output values are shown.

Type Selection Function

This is a 3-in-1 trinity system transmitter that incorporates all helicopter, airplane, and glider programs. In addition to the 30-aircraft model memory, data management using an SD card is also possible.

* SD cards should be purchased separately. Model data stored on an SD card can be used by copying the data to empty models in the DSX11/11X ZERO transmitter.

11X ZERO Digital Proportional System

Realizing the Goal for 11-channel Transmitters Everything was Considered from ZERO

Basic Functions

- Servo Reverse
- Left/Right Control Surface Travel Adjustment
- Dual Rate & Exponential: 2 Selections: Each F.M.
- Sub Trim
- Advanced Digital Trim: Each F.M.
- Servo Speed: 2 Selections
- Program Mixing: 6 Systems/ Curve Mixing: 3 Systems Selection Possible (With Exponential Function)
- Trim Step/ Trim Type
- Dual Axis Bearing Supported Sticks with Tension Adjustment
- DSC/Trainer Jack
- Model Switching: Copying: 30 Models
- Model Names: Maximum 10 Characters
- Flight Mode Names: Maximum 6 Characters
- Data Erase
- Fail Safe (2.4GHz: Set During Bind)
- Various Types of Alarms and Timers: 3 Systems
- Servo Monitoring: With Test Function
- Trainer System: 2 Types of Selection Possible
- Type Switching: 3 Types of Selection Possible
- Data Copying (Inside TX) (Between TX and TX) (Between TX and SD)
- Device Selection (With Touch Selection)
- 4-Tone Grey Scale LCD with Backlight
- Limit Adjustment
- SD Card Slot
- My List Function
- Easy Setting Function (Wizard)
- Stick Position Switch
- Mixing Monitor
- All Servo Hold
- Custom Warnings
- ■ Modulation Switching: DSM (11ch)/ SPCM (10ch)/ PPM9 (9ch)/ PPM8 (8ch)
- ▶ Sub Information Screen

Helicopter Functions

- Flight Mode: Maximum 6 Systems
- Throttle Curve: Maximum 5 Systems Multipoint: 3 Intermediate Points (With Exponential Function)
- Pitch Curve: Maximum 6 Systems Multipoint: 3 Intermediate Points (With Exponential Function)
- Tail Curve: 5 Systems Multipoint: 3 Intermediate Points (With Exponential Function)
- Throttle Hold: With Auto Cut
- Gyro Sensitivity Setting: Sensitivity Maximum 6 Systems/ Tail Lock Gain Maximum 6 Systems with Gyro Gain Delay (When Using G7000T)
- Mixing → Throttle
- Swash Type: 6 Types (Supporting 140°)
- Governor Setting: Each F.M.
- Flight Mode Delay

Airplane Functions

- Flight Mode: Maximum 3 Systems
- Throttle Curve: 2 Systems Multipoint: 3 Intermediate Points (With Exponential Function)
- Pitch Curve: 2 Systems Multipoint: 3 Intermediate Points (With Exponential Function)
- Throttle Hold (During Twin Engine Setting)
- Gyro Sensitivity Setting: Maximum 3 Systems with Delay
- AILE → RUDD Mixing
- ELEV → FLAP Mixing
- RUDD → AILE/ELEV Mixing
- AILE → FLAP Mixing
- Flap System (With Direct Input)
- Snap Roll: Independent 4 Systems
- Wing Type Settings: With Differential Settings
- Idle Adjustment

Glider Functions

- Flight Mode: Maximum 5 Systems
- ELEV → CAMB Mixing: Each F.M.
- AILE → RUDD Mixing: Each F.M. (With Brake Function)
- RUDD → SPOI Mixing: Each F.M.
- Flaperon Mixing: Each F.M./ With Flap Lever Offset
- Flap Rate: Each F.M.
- Flight Mode Delay
- Motor Hold (With Delay)
- Wing Type
- Brake System

- ● DSX11/11X ZERO Common Functions
- ■ 11X ZERO Functions ▶ DSX11 Functions

* Each F.M.: Each Flight Mode

BACK STYLE

SPEC

System: DSM2/Computer Mixing
No. of channels: 11ch
Transmitter weight: 860g (Excluding the module and battery)

DSM2 2.4GHz SD™

Changeable Module Type

Custom Warnings Function

* Warning Setting Screen

* Warning Display Screen

A Custom Warning Function as utilized in 12-channel transmitters is incorporated. Users are able to set individual switch position warnings. Further, during warning operation, diagrams and text are used in easy-to-understand displays.

My List Function

Frequently used setting items can be selected by users according to their preferences to make a customized listing screen. In addition to Function modes, System Setting modes can also be selected.

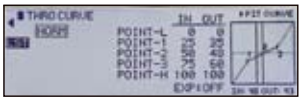
Servo Monitoring Function

In addition to the previous Servo Monitoring Function, a servo testing function is also in corporated. Further, a "Neutral" testing pattern convenient for servo center confirmation has been added to Slow/High/Step.

Touch Selection Function

In the Device Selection Setting in the System Setting modes, as well as inputting by using the jog dial as before, users are able to implement the switch selections intuitively by directly operating the switches that they wish to use.

Throttle Curve and Pitch Curve Functions



Multipoint settings, which were previously only incorporated in higher-level transmitters, are employed in the Throttle Curve and Pitch Curve settings. It is possible to set a maximum of three intermediate points in optional positions. (This is also possible during Curve Mixing.)

DSX12

All of the Required Key Elements have been Incorporated

Basic Functions

- Servo Reverse
- Left/Right Control Surface Travel Adjustment
- Dual Rate & Exponential: 2 Divisions: Each F.M.
- Sub Trim
- Analog Throttle Trim
- Servo Speed: 2 Selections: Each F.M.
- Advanced Digital Trim: Each F.M.
- Program Mixing: 8 Systems/ Inside Curve Mixing: 5 Systems Selection Possible (With Exponential Function)
- Trim Step/ Trim Type
- Dual Large-Diameter Double Ball Bearings with Stick Tension Adjustment Function
- USB/Trainer Jack
- Model Switching: Copying: 20 Models
- Model Names: Maximum 16 Characters
- Flight Mode Names: Maximum 6 Characters
- Data Reset
- Fail Safe (Set During Bind)
- Various Types of Alarms and Timers: 2 Systems
- Servo Monitoring: With Test Function
- Trainer System: 2 Types Selection Possible
- Type Switching: 3 Types Selection Possible
- Data Transfer (Between TX and TX) (Between TX and PC)
- Device Selection
- High-Definition LCD with Backlight

Helicopter Functions

- Flight Mode: Maximum 6 Systems
- Throttle Curve: Maximum 5 Systems Multipoint: 6 Intermediate Points (With Exponential Function)
- Pitch Curve: Maximum 6 Systems Multipoint: 6 Intermediate Points (With Exponential Function)
- Tail Curve: 5 Systems Multipoint: 6 Intermediate Points (With Exponential Function)
- Throttle Hold: With Auto Cut
- Gyro Setting: Sensitivity Maximum 6 Systems/ Tail Lock Gain Maximum 6 Systems (When Using G7000T)
- Mixing → Throttle
- Dual Pitch Mixing
- Swash Type: 6 Types (Supporting 140˚)
- Governor Setting: Each F.M.

Airplane Functions

- Flight Mode: Maximum 5 Systems
- Throttle Curve: 2 Systems Multipoint: 6 Intermediate Points (With Exponential Function)
- Pitch Curve: 2 Systems Multipoint: 6 Intermediate Points (With Exponential Function)
- Throttle Hold
- Gyro Sensitivity Adjustment: Maximum 5 Systems
- AILE → RUDD Mixing
- ELEV → FLAP Mixing
- RUDD → AILE/ELEV Mixing
- AILE → FLAP Mixing
- Flap System
- Snap Roll: 5 Independent Systems
- Wing Type Settings: With Differential Settings
- Governor Setting: Each F.M.
- Servo Balance Function (During Dual Servo Setting)

Glider Functions

- Flight Mode: Maximum 5 Systems
- ELEV → FLAP Mixing: Each F.M.
- AILE → RUDD Mixing: Each F.M.
- AILE → FLAP Mixing: Each F.M.
- RUDD → SPOI Mixing: Each F.M.
- Flaperon Mixing: Each F.M./ With Flap Lever Offset
- Flap Rate: Each F.M.
- Differential: Each F.M.
- Flight Mode Delay
- Motor Hold
- Wing Type: Main Wing 6 Servos Supported
- Brake System

* Each F.M.: Each Flight Mode

SPEC

System: DSM2/Computer Mixing
No. of channels: 12ch
Transmitter weight: 930g (Excluding battery)

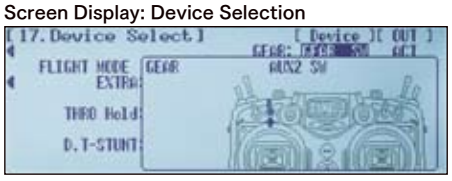
DSM2 2.4GHz
2.4GHz Dedicated Model

Transmitter picture shown are indicated as DSM-J on logo marking or logo labels installed however, it is DSM-2.

The DSX12 boasts a wide variety of functions appropriate for the series flagship model. Consideration has also been given to operability, so that 4-key inputting that enables swift accessing and editing and a highly regarded 3D jog dial are utilized.

The bind button which is also used during range checking (distance testing) is located on the rear face of the unit. The LED that lights up in orange on the rear face also undertakes the role of the RF lamp, and this layout with LEDs both on the front face and rear face gives consideration to safety by allowing confirmation of radio wave condition.

Screen Display: Device Selection



A large and easy-to-read “high-definition LCD panel with backlight” is utilized, which realizes an LCD screen that provides outstanding visibility outdoors in the daytime. In the Device Selection Function, which allows modelers to change switch positions as they wish, 4-tone screen graphics are used to enable visual understanding of which position switch has been selected

DSX9

Realization of Unmatched Reliability with Further Evolution

In order that flyers can experience the reliable functions and operability at an even higher level, a new value “2.4GHz System” has been incorporated in the body.
For R/C models using the wide open sky as their stage, this transmitter establishes its position as the standard while achieving further evolution.

Transmitter picture shown are indicated as DSM-J on logo marking or logo labels installed however, it is DSM-2.

(19) Basic Functions

- Servo Reverse
- Left/Right Control Surface Travel Adjustment
- Dual Rate & Exponential: 2 Selections, 3 Systems
- Sub Trim
- Advanced Digital Trim: Each F.M.
- Program Mixing: 6 Systems/ Inside Curve Mixing: 2 Systems Fixed 7 Points
- Trim Step
- Auto Dual Rate
- Stick Spring Adjustment
- Trainer Jack
- Model Switching: Copying: 30 Models
- Model Names: Maximum 8 Characters
- Data Reset
- Various Types of Alarms and Timers
- Servo Monitoring
- Trainer System: 2 Types Selection Possible
- Type Switching: 3 Types Selection Possible
- Data Transfer
- Device Selection
- LCD with Backlight

Helicopter Functions

- Flight Mode: Maximum 6 Systems
- Throttle Curve: 5 Systems: 7 Fixed Points
- Throttle Idling Trim
- Throttle Cut
- Gear Switch
- Gyro Sensitivity Adjustment: With Auto
- Governor Function
- Revolution Mix: 2 Systems
- Throttle Hold: With Auto Cut
- Mixing Throttle
- Pitch Curve: 6 Systems: 7 Fixed Points
- Limit Stroke Trim
- Pitch Trim
- Swash Type: 6 Types (Supporting 140°)

Airplane Functions

- Flight Mode: 3 Systems
- Throttle Curve: 2 Systems 7 Fixed Points
- Throttle Idling Trim
- Throttle Cut
- Gyro Sensitivity Adjustment: 2 Systems with Auto
- Gear Switch
- ELEV → FLAP Mixing: 2 Systems
- AILE → RUDD Mixing: 2 Systems
- Flap System
- Wing Type Settings
- Twin Engine Mixing
- Snap Roll: 4 Systems
- Servo Speed: 2 Systems

Glider Functions

- Flight Mode: Maximum 5 Systems
- AILE → RUDD Mixing: 5 Systems
- AILE → FLAP Mixing: 2 Systems
- ELEV → FLAP Mixing: 2 Systems
- Flaperon Mixing: 5 Systems
- Flaperon Trim
- Flap Trim
- Dual Flap
- Differential: 5 Systems
- Flap Rate: 5 Systems
- Wing Type Settings
- Butterfly Mixing
- Flight Mode Delay
- Motor Hold
- Timer Functions: 2 Systems

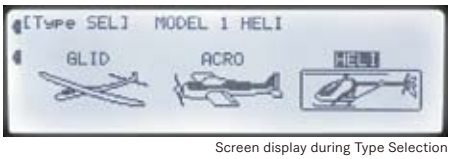
* Each F.M.: Each Flight Mode

SPEC

System: DSM2/Computer Mixing
No. of channels: 9ch
Transmitter weight: 830g (Excluding battery)

DSM2 2.4GHz
2.4GHz Dedicated Model

The jog dial combining the operation key and enter key enables swift accessing and editing of the multiple functions realized using the 32-bit chip. Together with the three-dimensional body form, this also enables stress-free control at the flight location.



Screen display during Type Selection

A large and easy-to-read “LCD panel with high-brightness backlight” is utilized, and the visibility of the LCD screen outdoors in the daytime has been improved. Further, the easy-to-understand graphical display of the numerous functions and their conditions also greatly contributes to improving the operability.

The binding button on the rear face of the unit is also used during range checking (range testing). The built-in LED that lights up in green on the rear face undertakes the roles both of the pilot lamp and RF lamp to improve the visibility of the radio wave condition and the safety.

PROPO	DSM2 **2.4GHz** /35･36･40･72MHz System

Ultimate Computerize A-PCM system PCM12X

Excellence Conveyed without Words is Proof of Superiority

BACK STYLE

SPEC

System: DSM2/Computer Mixing
No. of channels: 12ch
Transmitter weight: 950g (Excluding the module and battery)

Transmitter picture shown are indicated as DSM-J on logo marking or logo labels installed however, it is DSM-2.

DSM2 2.4GHz

2.4GHz Module Model

Ultimate Computerize A-PCM system PCM12X **35,36,40,72MHz Module Model**

■ System: APCM/Computer Mixing

PLL-SYNTHESIZER

Synthesizer System Helicopter Set (35MHz,36MHz,40MHz,72MHz)
The set only includes the transmitter and receiver.

Synthesizer System Airplane Set (35MHz,36MHz,40MHz,72MHz)
The set only includes the transmitter and receiver.

Basic Functions

- Servo Reverse
- Left/Right Control Surface Travel Adjustment
- Dual Rate & Exponential: 2 Selections: Each F.M.
- Sub Trim
- Analog Throttle Trim
- Servo Speed: 2 Divisions: Each F.M.
- Advanced Digital Trim: Each F.M.
- Program Mixing: 8 Systems/ Inside Curve Mixing: 5 Systems Selection Possible (With Exponential Function)
- Trim Step/ Trim Type
- Dual Large-Diameter Double Ball Bearings with Stick Tension Adjustment Function
- DSC/USB Jack
- Model Switching/Copying: 20 Models
- Model Names: Maximum 16 Characters
- Flight Mode Names: Maximum 6 Characters
- Data Reset
- Fail Safe *When using PCM
- Various Types of Alarms and Timers: 2 Systems
- Modulation Switching: APCM (12ch)/ SPCM (10ch)/ PPM (8ch)
- Servo Monitoring: With Test Function
- Trainer System: 2 Types Selection Possible
- Type Switching: 3 Types Selection Possible
- Data Transfer (Between TX and TX) (Between TX and PC)
- Band Selection: With Monitoring Function
- Device Selection
- High-Definition LCD with Backlight

Helicopter Functions

- Flight Mode: Maximum 6 Systems
- Throttle Curve: Maximum 5 Systems Multipoint: 6 Intermediate Points (With Exponential Function)
- Pitch Curve: Maximum 6 Systems Multipoint: 6 Intermediate Points (With Exponential Function)
- Tail Curve: 5 Systems Multipoint: 6 Intermediate Points (With Exponential Function)
- Throttle Hold: With Auto Cut
- Gyro Setting: Sensitivity Maximum 6 Systems/ Tail Lock Gain Maximum 6 Systems (When Using G7000T)
- Mixing → Throttle
- Dual Pitch Mixing
- Swash Type: 6 Types (Supporting 140°)
- Governor Setting: Each F.M.

Airplane Functions

- Flight Mode: Maximum 5 Systems
- Throttle Curve: 2 Systems Multipoint: 6 Intermediate Points (With Exponential Function)
- Pitch Curve: 2 Systems Multipoint: 6 Intermediate Points (With Exponential Function)
- Throttle Hold
- Gyro Sensitivity Adjustment: Maximum 5 Systems
- AILE → RUDD Mixing: With Differential
- ELEV → FLAP Mixing
- RUDD → AILE/ELEV Mixing
- AILE → FLAP Mixing
- Flap System
- Snap Roll: 5 Independent Systems
- Wing Type Settings: With Differential Settings
- Governor Setting: Each F.M.
- Servo Balance Function (During Dual Servo Setting)

Glider Functions

- Flight Mode: Maximum 5 Systems
- ELEV → FLAP Mixing: Each F.M.
- AILE → RUDD Mixing: Each F.M.
- AILE → FLAP Mixing: Each F.M.
- RUDD → SPOI Mixing: Each F.M.
- Flaperon Mixing: Each F.M./ With Flap Lever Offset
- Flap Rate: Each F.M.
- Differential: Each F.M.
- Flight Mode Delay
- Motor Hold
- Wing Type: Main Wing 6 Servos Supported
- Brake System

* Each F.M.: Each Flight Mode

35･72MHz System | PROPO

X7R

Further Refined Model inheriting the “X” as Proof of Excellence

PLL-SYNTHESIZER

SPEC

System: SPCM/Computer Mixing
No. of channels: 7ch
Transmitter weight: 680g (Excluding battery)

35,72MHz Dedicated Model

Basic Functions

- Servo Reverse
- Left/Right Control Surface Travel Adjustment
- Dual Rate & Exponential
- Sub Trim
- Advanced Digital Trim
- Throttle Idling Trim
- Trim Memory
- Gear Switch
- Stick Spring Adjustment
- Trainer Jack
- Model Switching/Copying: 18 Models
- Model Names: Maximum 8 Characters
- Data Reset
- Fail Safe
- Servo Monitoring
- Trainer System: 2 Types Selection Possible
- Type Switching: 2 Types Selection Possible
- Various Types of Alarms and Timers
- Throttle Cut
- Modulation Switching: SPCM/ PPM

Helicopter Functions

- Flight Mode: 4 Systems
- Auto Dual Rate
- Gyro Sensitivity Adjustment
- Throttle Hold
- Throttle Curve: 3 Systems: 5 Fixed Points
- Program Mixing: 3 Systems
- Revolutions: 2 Systems
- Pitch Curve: 4 Systems: 5 Fixed Points
- Swash Type: 4 Types
- Warning Messages

Airplane Functions

- Program Mixing: 6 Systems
- ELEV → FLAP Mixing
- AILE → RUDD Mixing
- Flap System
- Wing Type Settings

In corperating the highly requested Throttle Cut Function

A jog dial is incorporated, which has become standard on JR transmitters.

A timer function has been incorporated, and has been made even easier to use.

Reliability and Proven Performance

Different servo variations allowing support for all types of aircraft, together with the performance of these servos make them wold class. For this reason JR servos are endorsed and recommended by many top modelers. In 2010 JR finally succeeded in achieving non-contact position detection using magnetic force, creating our new “linear hall sensing servos.” In addition, a sub micro type was added to the high voltage servo series, so now an even more complete range of servo groups are available for use in various flight situations.

pictogram Servo Specification Pictograms
Torque (kg·cm) Speed (sec/60˚) Weight (g)

LINEAR HALL SENSING SERVOS

Next-Generation Linear Hall Sensing Servos released by the Pioneer in Servo Technology.

The repetitive motion of a servo while in use places a large burden on each part. The recent development of brushless motors has increased the product life of servo motors dramatically. However, when determining servo position using existing potentiometers, long-period use causes wear inside the potentiometer parts so that smooth linear operation becomes impossible. To address this issue, we have developed a new type of servo with non-contact position detection using "linear hall ICs" manufactured by Asahi Kasei Microdevices Corporation which enable position detection using magnetic force. Using this technology JR has now perfected its next-generation "MPH Series" linear hall sensing servos.

JR LINEAR HALL SENSING SERVO

MPH8I SERIES

New
Gear Arrangement 3
Digital
Metal Gears
Heat Sink Case

No.02402 MPH81S
Linear Hall Sensing Servo (Speed Type)
12.0 0.09 73

New
Gear Arrangement 3
Digital
Metal Gears
Heat Sink Case

No.02401 MPH81T
Linear Hall Sensing Servo (Torque Type)
25.0 0.19 73

New
for GYRO
Digital
Heat Sink Case

No.02403 MPH81G
Linear Hall Sensing Servo (For Gyro)
3.5 0.05 65

HV JR HIGHVOLTAGE SERVOSERIES

HV SUB MICRO SERVOS

DS387HV New Release of New Sub Micro Servos for Optimal Use in Miniature EP Aircraft

New
Gear Arrangement 1
Digital
Metal Gears

No.02211 DS387HV
High Voltage Sub Micro Servo
2.0 0.16 12

New
Digital

No.02212 DS388HV
High Voltage Sub Micro Servo
(High Speed Type)
1.0 0.08 9

New
Gear Arrangement 1
Digital
Metal Gears

No.02213 DS389HV
High Voltage Sub Micro Servo
(High Speed Type)
1.0 0.08 12

Metal Gear Check Sheet

Plastic Gears
Metal Gears
Plastic/Metal Gears

Gear Arrangement 1 | Gear Arrangement 2 | Gear Arrangement 3
Gear Arrangement 4 | Gear Arrangement 5 | Gear Arrangement 6

pictogram
Servo Specification Pictograms
Torque (kg·cm) Speed (sec/60˚) Weight (g)

Brushless Servo

BRUSHLESS

MP30 SERIES
Brushless Mini Servos

Gear Arrangement 1
Digital
Metal Gears

No.02290 MP30T
Brushless Mini Servo (Torque Type)
4.7 0.19 30

Gear Arrangement 1
Digital
Metal Gears

No.02291 MP30S
Brushless Mini Servo (Speed Type)
3.1 0.13 30

MP70 SERIES
Brushless High Specification Servos

Digital

No.02300 MP70
For Helicopter Contests
9.6 0.15 49

Gear Arrangement 4
Digital
Aluminum Final Output Gear

No.02301 MP70A
For Helicopter Contests
9.6 0.15 55

Gear Arrangement 3
Digital
Metal Gears
Heat Sink Case

No.02303 MP80T
Aerobatic Aircraft/ Large Aircraft (High Torque Type)
25.0 0.19 69

Gear Arrangement 3
Digital
Metal Gears
Heat Sink Case

No.02304 MP80S
Aerobatic Aircraft/ Large Aircraft (High Speed Type)
12.0 0.09 69

MP80 SERIES
Brushless High Power Servos

Outstandingly Stable Brushless Motors with No Parts subject to Wear. Maximising the Potential by Using a Unique Control System.

For the slotless, brushless motors used in its brushless servo system, JR developed a unique control system which differs from previous R/C motor control in order to maximise the potential of its brushless motors. In addition to an outstanding improvement in holding force, the harsh sound of the FET digital control has been greatly reduced. The new axis servo series handle any flight situation with ease.

When maximum torque is applied to both the MP80T brushless servo and the DS8911 digital servo, which both have the same specifications, the image diagrams show how close each of the servos come to the target position when the servo receives the control signal (target signal value). Compared to the lower diagram, the brushless servo is able to exhibit maximum torque that is closer to the target signal value.

Metal Gear Check Sheet

Plastic Gears
Metal Gears
Plastic/Metal Gears

Gear Arrangement 1 | Gear Arrangement 2 | Gear Arrangement 3
Gear Arrangement 4 | Gear Arrangement 5 | Gear Arrangement 6

High Voltage Servo

Rated Voltage: 7.4V Operation Voltage: 6.0-8.5V * The specifications are measured at 7.4V

Gear Arrangement 5 | Digital | Metal Gears | Heat Sink Case

No.02209 DS8921HV
Aerobatic Aircraft/ Large Aircraft (High Torque Type)
36.5 0.13 72

Gear Arrangement 1 | Digital | Metal Gears

No.02157 DS3421HV
High Voltage Mini Servo (Torque Type)
6.6 0.16 30

No.02210 DS8925HV
Aerobatic Aircraft/ Large Aircraft (High Speed Type)
17.8 0.06 72

Gear Arrangement 5 | Digital | Metal Gears | Heat Sink Case

No.02158 DS3425HV
High Voltage Mini Servo (Speed Type)
4.3 0.11 30

Gear Arrangement 1 | Digital | Metal Gears

Gear Arrangement 5 | Digital | Metal Gears | Full Metal Case

No.02205 DS6311HV
Aerobatic Aircraft/ Large Aircraft (High Torque Type)
36.5 0.13 80

Gear Arrangement 1 | Digital | Metal Gears

No.02156 DS339HV
High Voltage Micro Servo
4.3 0.16 22

Gear Arrangement 5 | Digital | Metal Gears | Full Metal Case

No.02206 DS6315HV
Aerobatic Aircraft/ Large Aircraft (High Speed Type)
17.8 0.06 80

Gear Arrangement 5 | Digital | Metal Gears | Full Metal Case | Car

No.02207 DS6321HV
For Cars (High Torque Type) (Short Cable)
36.5 0.13 80

Gear Arrangement 5 | Digital | Metal Gears | Full Metal Case | Car

No.02208 DS6325HV
For Cars (High Speed Type) (Short Cable)
17.8 0.06 80

Gear Arrangement 1 | Digital | Metal Gears

No.02155 DS179HV
High Voltage Servo for Small-Sized Wings
4.3 0.16 22

High Specs Servo

Specifications shown inside brackets are when measured at 6V.

Gear Arrangement 5 | Digital | Metal Gears | Car

No.02107 DS8425
For Cars (High Torque Type)
11.0 (13.0) 0.19 (0.15) 60

No.02108 DS8455
For Cars (High Speed Type)
6.5 (7.3) 0.10 (0.08) 60

Gear Arrangement 5 | Metal Gears | Digital | Car

Gear Arrangement 4 | Digital | Aluminum Final Output Gear

No.02115 DS8325
For Helicopters and Contests
9.6 0.15 55

No.02122 DS8305
For Helicopters and Contests
9.6 0.15 49
Digital

No.02124 DS8355
For Helicopters and Contests (High Speed Type)
6.2 0.09 49
Digital

Gear Arrangement 4 | Digital | Aluminum Final Output Gear

No.02112 DS8421
For Aerobatic Aircraft and Airplane Contests (High Speed Type)
11.0 0.19 55

No.02109 DS8401
For Aerobatic Aircraft and Airplane Contests (High Speed Type)
11.0 0.19 49
Digital

SERVO

Sub Micro, Micro/Mini, Standard, High Power, Low Profile, Retract

pictogram
Servo Specification Pictograms
Torque (kg·cm) Speed (sec/60˚) Weight (g)

Sub Micro Servo

Analog

No.02018 ES316
Ultra Miniature 6g Type/ For Miniature Electrically-Powered Light Planes
0.7 0.08 6

No.02140 DS318
Ultra Miniature 6g Type/ For Miniature Electrically-Powered Light Planes
0.7 0.08 6

Digital

Analog

No.02013 ES375
Ultra Miniature 9g Type/ For Miniature Electrically-Powered Light Planes
2.0 0.16 9

No.02137 DS385
Ultra Miniature 9g Type/ For Miniature Electrically-Powered Light Planes
2.0 0.16 9

Digital

Gear Arrangement 1
Analog
Metal Gears

No.02017 ES376
Ultra Miniature 11.5g Type/ For Miniature Electrically-Powered Light Planes
2.0 0.16 11.5

No.02141 DS386
Ultra Miniature 12g Type/ For Miniature Electrically-Powered Light Planes
2.0 0.16 12

Gear Arrangement 1
Metal Gears
Digital

Micro/Mini Servo

Gear Arrangement 1
Digital
Metal Gears

No.02136 DS362
For Miniature Airplanes and Gliders
3.8 0.24 24

No.02020 NES-341
For Miniature Airplanes and Gliders
2.3 0.24 18

Analog

Analog

No.02021 NES-321
For Miniature Helicopters and Airplanes
2.3 0.23 22

Gear Arrangement 1
Digital
Metal Gears

No.02151 DS171
Miniature Wing Servo
4.3 0.16 22

Gear Arrangement 1
Digital
Metal Gears

No.02154 DS331
For Miniature Airplanes and Gliders
4.3 0.16 22

Gear Arrangement 1
Digital
Metal Gears

No.02133 DS3401
For Airplanes/ All-Purpose
4.3 0.19 30

No.02138 DS3405
For 1/12 Scale Electric Cars and Miniature Aircraft (High Speed Type)
2.8 0.13 30

Gear Arrangement 1
Digital
Metal Gears

Standard Type Servo

Specifications shown inside brackets are when measured at 6V.

Analog

No.02012 ES519
Popular Type Servo
3.3 0.23 44

No.02014 ES539
Popular Type High Neutral Servo
4.8 0.23 38

Analog

No.02015 ES579
Metal Gear/ High Torque Servo
8.3 (9.5) 0.23 (0.19) 48

Gear Arrangement 3
Analog
Metal Gears

Digital

No.02121 DS589
Popular Type Digital Servo
5.2 0.21 42

No.02123 DS599
Popular Type Digital Servo
5.2 0.21 45

Gear Arrangement 4
Digital
Aluminum Final Output Gear

Digital

No.02125 DS831
Popular Type Digital Servo
6.0 0.15 44

Metal Gear
Check Sheet

Plastic Gears
Metal Gears
Plastic/Metal Gears

Gear Arrangement 1 | Gear Arrangement 2 | Gear Arrangement 3
Gear Arrangement 4 | Gear Arrangement 5 | Gear Arrangement 6

High Power Servo

HIGH POWER

Gear Arrangement 5
Digital
Metal Gears

No.02111 DS8511
For Aerobatic Aircraft/ Large-Sized Aircraft
15.0 0.19 66

No.02113 DS8711
For Aerobatic Aircraft/ Large-Sized Aircraft (High Torque Type)
25.0 0.19 66

Gear Arrangement 5
Digital
Metal Gears

No.02114 DS8715
For Aerobatic Aircraft/ Large-Sized Aircraft (High Speed Type)
12.0 0.09 66

Gear Arrangement 5
Digital
Metal Gears

Gear Arrangement 5
Digital
Metal Gears
Heat Sink Case

No.02116 DS8911
For Aerobatic Aircraft/ Large-Sized Aircraft (High Torque Type)
25.0 0.19 69

No.02117 DS8915
For Aerobatic Aircraft/ Large-Sized Aircraft (High Speed Type)
12.0 0.09 69

Gear Arrangement 5 | Metal Gears
Digital | Heat Sink Case

Gear Arrangement 5
Digital
Metal Gears
Full Metal Case

No.02203 DS6301
For Aerobatic Aircraft/ Large-Sized Aircraft (High Torque Type)
33.0 0.17 80

No.02204 DS6305
For Aerobatic Aircraft/ Large-Sized Aircraft (High Speed Type)
16.0 0.08 80

Gear Arrangement 5 | Metal Gears
Digital | Full Metal Case

Low Profile Servo

LOW PROFILE

Gear Arrangement 2
Digital
Aluminum Final Output Gear

No.02139 DS9421
For Airplanes/ All-Purpose
5.0 0.17 38

Gear Arrangement 1
Digital
Metal Gears

No.02152 DS9511
For Airplanes/ All-Purpose (Torque Type)
6.2 0.17 43

Gear Arrangement 1
Digital
Metal Gears

No.02153 DS9515
For Airplanes/ All-Purpose (Speed Type)
4.0 0.12 43

Retract Servo

RETRACT

Gear Arrangement 1
Metal Gears

No.02072 NES-713
Low Profile Retract Servo (High Torque Type)
8.0 1.55sec/160° 45

No.02070 NES-703
Low Profile Retract Servo
6.7 1.36sec/160° 35

Gear Arrangement 6
Part Metal Gears

About the Servos Manufactured by JR PROPO

* With the exception of products noted, all products are rated to 4.8V.
* In the event of using a large moveable wing surface typically on aileron, rudder, elevator or flap on airplane, Digital servo (DS series) may cause abnormal movement such as hunting.

GYRO

GYRO SYSTEM

pictogram
Servo Specification Pictograms
Torque (kg·cm) Speed (sec/60˚) Weight (g)

Servo For Gyro

Digital

No.02186 DS380G
Sub Micro Servo for Gyro (Parkmite Class)
1.0 0.08 9

Digital

No.02187 DS3500G
Mini Servo for Gyro
2.0 0.07 26

Digital

No.02190 DS8400G
Digital Servo for Gyro
3.1 0.07 49

Digital
Heat Sink Case

No.02189 DS8900G
Digital Servo for Gyro
3.5 0.05 64

Gear Arrangement 1
Digital
Brushless

No.02292 MP30G
Brushless Mini Servo for Gyro
2.7 0.07 26

Digital
Heat Sink Case
Brushless

No.02302 MP80G
Brushless Servo for Gyro
3.5 0.05 64

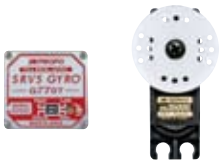
Gyro System

Full Metal Case

No.02547 G770T
Full Metal Case Silicone Ring Gyro

- Dimensions (mm)/Weight (g): 20x27x25.5/30
- Remote Gain Adjustment
- Servo Limiter
- Reverse Switch
- Servo Output Speed Switching
- Auto Trim

For Small-Sized EP Helicopters

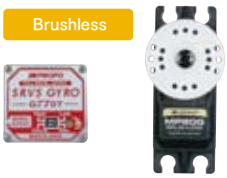


No.02576 G770T-3500G
Gyro G770T & Gyro Servo DS3500G Set

No.02577 G770T-8400G
Gyro G770T & Gyro Servo DS8400G Set

No.02573 G770T-8900G
Gyro G770T & Gyro Servo DS8900G Set

Brushless



No.02578 G770T-MP80G
Gyro G770T & Brushless Gyro Servo MP80G Set

Full Metal Case

No.02537 G750T
Full Metal Case Slim Type Gyro

- Dimensions (mm)/Weight (g): 10.5x27x25.5/20
- Supported Servos: DS3500G/DS8400G/DS8900G/MP30G/MP80G
- Remote Gain Adjustment
- Servo Limiter
- Reverse Switch
- GP/EP Mode
- Auto Trim

For Small-Sized EP Helicopters

No.02562 G750T-3500G
Gyro G750T & Gyro Servo DS3500G Set

No.02563 G750T-8400G
Gyro G750T & Gyro Servo DS8400G Set

No.02564 G750T-8900G
Gyro G750T & Gyro Servo DS8900G Set

Brushless

No.02565 G750T-MP80G
Gyro G750T & Brushless Gyro Servo MP80G Set

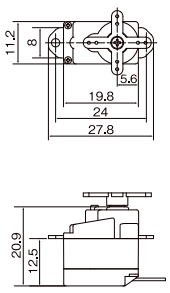
MEMS Gyro for Small-Sized EP Helicopters

No.02535 G250T

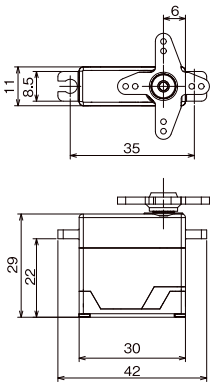
- Dimensions (mm)/Weight (g): 23.5x23.5x9/7
- Remote Gain Adjustment
- Servo Limiter
- Reverse Switch
- Sensor Dead Band Switching
- Auto Trim
- LED Indicator Built-in

No.02555 G250T-3500G
Gyro System & Servo Set for Small-Sized EP Helicopters

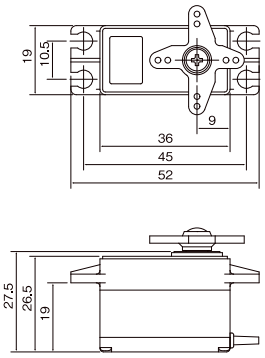
ES316 · DS318



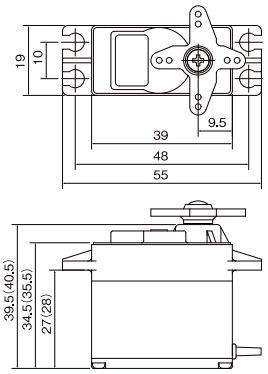
DS331 · DS339HV



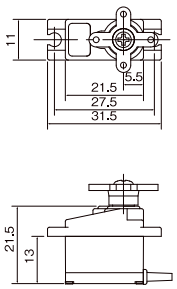
DS9421



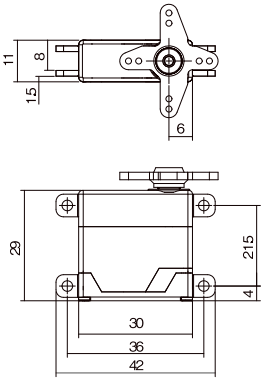
DS831 ·DS8305 · DS8325 · DS8355
DS8401 · DS8421 · DS8425
DS8455 · (MP70) · (MP70A)



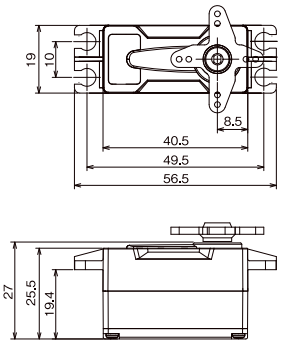
ES375 · ES376 · DS385
DS386 · DS380G · DS387HV
DS388HV · DS389HV



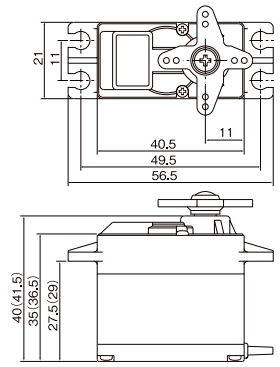
DS171·DS179HV



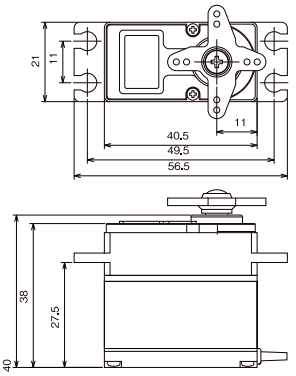
DS9511 · DS9515



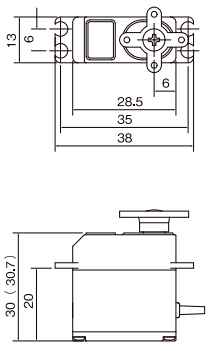
DS8511 · DS8711 · DS8715
DS8900G · DS8911 · DS8915
DS8921HV · DS8925HV
(MP80T) · (MP80S) · (MP80G)



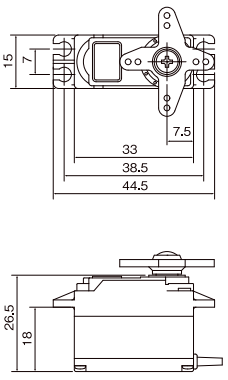
DS6301 · DS6305 · DS6311HV
DS6315HV · DS6321HV · DS6325HV



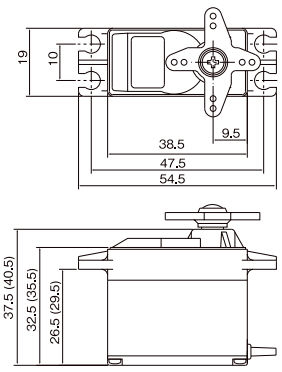
NES-341 · (DS362)



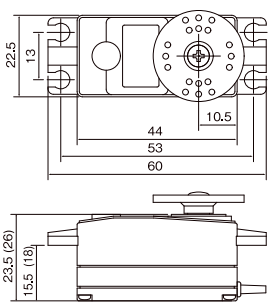
NES-321 · DS3401 · DS3405
DS3500G · MP30S · MP30T
MP30G



ES519 · ES539 · ES579
(DS589) · (DS599)

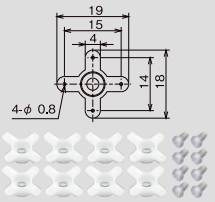


NES-703 · (NES-713)

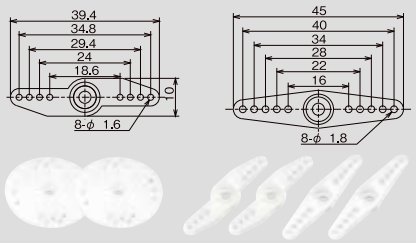


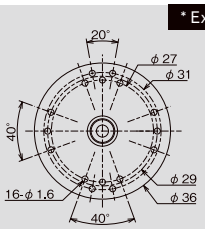
* Exterior dimension diagrams are 50% reduced representations.

* Exterior dimension diagrams are 50% reduced representations.

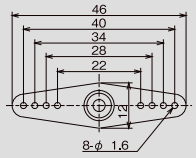


No.05011
Horn Set Mini (Each 8 Items)

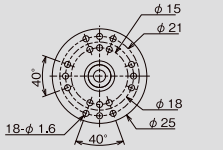


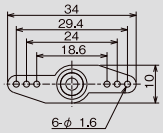


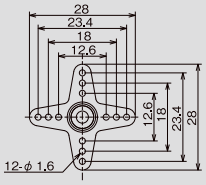
No.05012
Big Horn Set

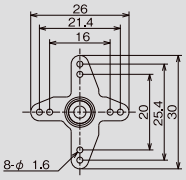


No.05015
Super Horn Set (5 Items Included)

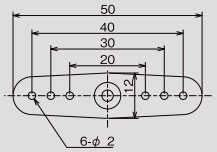


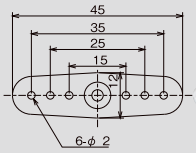


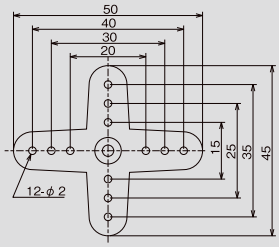




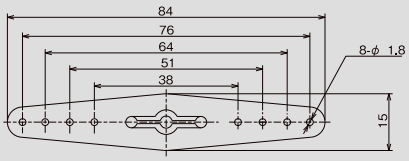
No.05013
Horn Set (General Use)

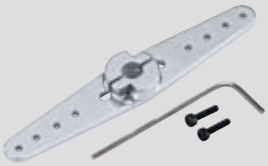






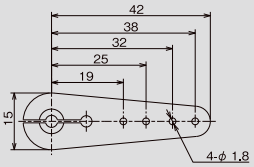
No.05016
HD Horn Set
(Strengthened Type)





No.05023
Aluminum Servo Horn B (Clamping System/ With Screws and Wrench)

Mounting Example



No.05022
Aluminum Servo Horn A
(Clamping System/ With Screws and Wrench)

Dedicated Servo Horns

No.05024
Horn Set for 316 (2 Sets Included)

Servo Cases

- For 161
- For 171, 179HV
- For 331, 339HV
- For 306
- For 316, 318
- For 371, 375, 376, 381, 382, 385, 386, 380G, 387HV, 388HV, and 389HV
- For 341, 351, and 361
- For 362
- For 321, 3121, 3125, 3201, 3401, 3405, 3500G, 30T, 30S, 30G, 3421HV, and 3425HV
- For 3321, 3301
- For 519, 539, 559, and 579
- For 589, 599
- For 511, 507, 517, and 513
- For 811, 831, 810G, and 820G
- For 911, 9011, 9301, 9401, and 9421
- For 9501, 9505
- For 9511, 9515
- For 7100, 7300, and 713
- For 703, 7005
- For 8201, 8301, 8305, 8325, 8355, 8401, 8421, and 70/A
- For 8400G with Metal
- For 8425, 8455, and 8700G with Metal
- For 8511, 8711, and 8715 with Metal
- For 8900G, 8911, and 8915 (Heat Sink Case)

Metal Servo Cases

- Metal Upper Case A (6301, 6305)
- Metal Upper Case B (HV Series)
- Metal Gear Base A (6301, 6305)
- Metal Gear Base B (HV Series)
- Metal lower Case A (6301, 6305)
- Metal lower Case B (HV Series)
- Heat Sink Case A (8900G, 8911, 8915)
- Heat Sink Case B (With JR Logo)
- Heat Sink Case C (With Brushless Logo)
- Heat Sink Case HV (With HV Logo)
- Metal Case Set 6301
- Metal Case Set 6311

B Gears (Single Item)

- B2 Plastic Gear for 8455
- B3 Plastic Gear for 8700G
- B5 Gear for 8511, 8711, 8911, 8921HV, 8925HV, 6301, 6305, 6311HV, 6315HV, 6321HV, 6325HV, 80S, and 80T
- B6 Gear for 8425, 8715, and 8915

Servo Gear Sets (Metal Gear set)

- For 161/ Metal Gear set
- For 171, 331, 179HV, and 339HV/ Metal Gear set with Ball Bearings
- For 376, 382, 386, 387HV, and 389HV/ Metal Gear set
- For 362/ Metal Gear set with Ball Bearings
- 3401, 30T/ 3421HV/ Metal Gear set with Ball Bearings
- 3405, 30S/ 3425HV/ Metal Gear set with Ball Bearings
- For 9421/ Metal Gear set with Ball Bearings
- For 9401/ Metal Gear set with Ball Bearings
- For 9501, 9511/ Metal Gear set with Ball Bearings
- For 9505, 9515/ Metal Gear set with Ball Bearings
- For 703/ Metal Gear set
- For 713/ Metal Gear set with Ball Bearings
- For 559/ Metal Gear set with Ball Bearings
- For 579/ Metal Gear set with Ball Bearings
- For 599/ Metal Gear set (Possible to support 589)
- For 810G, 820G/ Metal Gear set
- For 8321, 8325, 8421, and 70A/ Metal Gear set with Ball Bearings
- For 8425/ Metal Gear set with Ball Bearings
- For 8455/ Metal Gear set with Ball Bearings
- For 8700G, 8000G/ Metal Gear set with Ball Bearings
- For 8511, 8711, 8911, and 80T/ Metal Gear set with Ball Bearings
- For 8715, 8915, and 80S/ Metal Gear set with Ball Bearings
- For 6301, 6311HV, 6321HV, and 8921HV/ Metal Gear set with Ball Bearings
- For 6305, 6315HV, 6325HV, and 8925HV/ Metal Gear set with Ball Bearings

Servo Gear Sets

- For 306
- For 316, 318
- For 371, 375, 381, and 385
- For 380G, 388HV
- For 341
- For 321, 3021, 3121, and 3201
- For 3025, 3125, and 3035
- For 3500G, 30G
- For 3321, 3301
- For 519, 539
- For 589
- For 511, 507, and 517
- For 911, 9011, and 9301
- For 811, 831, 8201, 8301, 8305, 8401, and 70 2 Sets
- For 8105 and 8355 2 Sets
- For 8400G
- For 8900G, 80G
- For 7000, 7005

Receiver For DSM2 2.4GHz

DSM2 2.4GHz 12-channel Receiver with Support for Dual Batteries

■ Dedicated for High Voltages
■ Supports Dual Batteries
■ Operation Voltage: 6.0-8.5V

DSM2 2.4GHz
2.4GHz Air

RD1222
- Dimensions (mm)/Weight (g): 16x38x53/44
- System: DSM2 12-channel
- Extra Antenna: EA101x4
  Antenna Cable: 230mm/300mm (One Each)/450mm (Two Cables)
- Bind Plug
- Switch Harness E
- Supported Transmitters: DSM2 2.4GHz Transmitters

Power source loss is lessened due to the use of a soft switch.

* After use, be certain to detach the battery.
* When connecting 4.8V rated servos, be certain to use the REG-01 SR Regulator.
* By connecting all of the included antennas, bind setting will become possible.

RD1222 Dedicated Soft Switch

Switch Harness E
* This harness cannot be used with receivers other than the RD1222.

DSM2 2.4GHz 12-channel Receiver

DSM2 2.4GHz
2.4GHz Air

RD1221
- Dimensions (mm)/Weight (g): 16x38x53/21
- System: DSM2 12-channel
- Extra Antenna: EA101x3
- Antenna Cable: 230mm/300mm/450mm (One Each)
- Bind Plug
- Supported Transmitters: DSM2 2.4GHz Transmitters

DSM2 2.4GHz 9-channel Receiver

DSM2 2.4GHz
2.4GHz Air

RD921
- Dimensions (mm)/Weight (g): 15x32x48/17.5
- System: DSM2 9-channel
- Extra Antenna: EA101
- Antenna Cable: 230mm/300mm (One Each)
- Bind Plug
- Supported Transmitters: DSM2 2.4GHz Transmitters

Accessories

Extra Antenna for 2.4GHz Receiver

EA101
- Dimensions (mm)/Weight (g): 6x21x26/3.5
- Antenna Cable: 150mm (One Cable)

Extra Antenna for 2.4GHz Receiver (Coaxial Type)

EA105
- Dimensions (mm)/Weight (g): 6x18x28/4
- Antenna Cable: 150mm (One Cable)
- Antenna Part: 30mm/ Coaxial Part: 50mm

Cable for Extra Antenna 2.4G

- 150mm
- 230mm
- 450mm
- 600mm
- 900mm

Binding Plug Set
Bind Connector for 2.4GHz Receivers

Antenna Caps (2 Pieces)
Antenna Caps for Transmitters

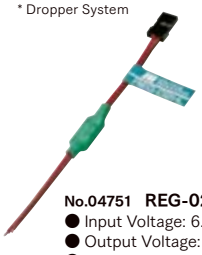
* In the situation where additional antennas are newly connected, be certain to carry out bind setting otherwise operation will not be possible.

Regulator

RX→SV
Regulator for Connecting Between Receivers and Servos
* Dropper System

No.04750 REG-01SR
- Input Voltage: 6.0-8.5V
- Output Voltage: 5.0V
- Length: 125mm

BATT→RX
Regulator for Connecting Between Batteries and Receivers
For Hand Launching
* Dropper System



No.04751 REG-02HL
- Input Voltage: 6.0-8.5V
- Output Voltage: 5.0V
- Length: 125mm

BATT→RX
Regulator for Connecting Between Receivers and Servos
* Switching System

2.4GHz Dedicated

No.04755 REG-015
- Dimensions (mm)/Weight (g): 52x30.5x11.8/50
- Input Voltage: 6.0-8.5V
- Output Voltage: 5.0V
- Maximum Output Current: 15.0A
- Momentary Maximum Current: 25.0A
- Supported Receivers: RD1221·RD921

Possible to realize a stable 5V output even under sudden loading!
- Maximum Conversion Efficiency: 95% (At 25° C, 15A)
- Dual Output System Utilized
- Highly Efficient Heat Radiating Design
- Compact Design
- Electronic Switch Built-in

Multi Box

Multi Box Supporting High Voltages

New

Allows multiple control of a maximum of 4 servos using one channel

Multi Box Servo Multi-Controller Supporting High Voltages

No.02001
Multi Box HV (Allows Connection of 4 Servos)
- With Servo Control Surface Angle/Reverse/Neutral Adjusting Function. Support possible for separate power source.
- Operation Voltage: 4.8V-8.5V

Ni-cd Nickel-Cadmium Battery Ni-MH Nickel Metal Hydride Battery

Charger

Ni-cd

Battery Charger NEC-322
- Flat 2pins (Require conversion adaptor for pins TYPE-B or D)
- INPUT AC220-240V
- TX(Transmitter Side) 11.6V/50mA
- RX(Receiver Side) 5.8V/120mA

TX: Ni-MH RX: Ni-cd 12-Hour Timer System

Battery Charger NEC-J12
- INPUT AC100-240V
  (Require conversion adaptor for pins TYPE-B or D)
- TX(Transmitter Side) 9.6V/250mA
- RX(Receiver Side) 4.8V/200mA

Ni-MH

Battery Charger NEC-501series

Three types are available as follows and correspond to the input voltage as 100V-240V.

NEC-501A: Round 2pins (EUR) as known as TYPE-B
NEC-501B: Square 3pins(UK) as known as TYPE-D
NEC-501C: Flat 2pins (USA, JAPAN) as known as TYPE-A
- Battery Charger for Nickel Metal Hydride Batteries
- TX (Transmitter Side) 9.6V: 150mA
- RX (Receiver Side) 4.8V: 150mA

* When charging the receiver batteries, be certain to connect them using a temperature sensor connector.

Battery Case

No.04451
TX Battery Case B
For F500, X2610, X-378, PCM9X, XS3, and COBRA

No.04453
TX Battery Case C
For DSX9, DSX7, PCM9X II , X2720, X2610, and DSX3

No.04402
RX Battery Case C (Closed Type)

No.04400
RX Battery Case BEC

Caution The various types of battery cases do not support the use of rechargeable batteries. If rechargeable batteries are used, connection problems may arrise.

Ni-MH Battery

Ni-MH

No.04142 4H1500
RX Ni-MH battery
- Dimensions(mm)/Weight(g)
  15.5x53.5x58/104

Ni-MH

No.04142 4H2000
RX Ni-MH battery
- Dimensions(mm)/Weight(g)
  14.5x52.5x57/114

Ni-MH

No.04313 8H1500
TX Ni-MH battery
- Weight/202g

Ni-MH

No.04322 8H2000SC
TX Ni-MH battery
- Weight/254g
  (for DSX12 & PCM12X)

* For safety purposes, there is a temperature sensor installed on the RX Ni-MH battery, be sure to connect this cable connector to the charger when you charge.

Be sure to use original JR Ni-MH battery charger when you charge JR Ni-MH battery(with white connector cable installed)

Harness/SW Harness

Lead Harness

■ Gold 60-Core ——— ■ Gold 30-Core

No.04632 70LG (70mm)	**No.04620 600LG** (600mm)	**No.04631 70G** (70mm)
No.04634 150LG (150mm)	**No.04622 800LG** (800mm)	**No.04633 150G** (150mm)
No.04636 230LG (230mm)	**No.04621 1000LG** (1000mm)	**No.04635 230G** (230mm)
No.04638 300LG (300mm)	**No.04623 1200LG** (1200mm)	**No.04637 300G** (300mm)
No.04618 450LG (450mm)		

Servo Lead
No.04601
G (30-Core/ 300mm Gold)
No.04607
LG (60-Core/ 300mm Gold)

B Lead
No.04603
LG (60-Core/ 250mm Gold)

Y Harness
No.04701
G (300mm/ Gold)
No.04702
SS (100mm/ Solder)

No.04730
Filter Lead (130mm Gold)

No.04805
Charging Adapter

No.04500
Switch Harness BEC

No.04501
Switch Harness S
- Small-Sized/ Solder

No.04502
Switch Harness C
- Small-Sized/ with Charging Connector

No.04503
Switch Harness G
- With Charging Connector (DSC Support/Binding)

No.04504
Switch Harness D
- DSC Support/Binding/ With Charging Jack

No.04790
RX Antenna Lead

No.04851
Trainer Cord

DSC Cord
No.04852
AL (For R-1)
No.04853
BL (PCM9XII, etc.)

DSX12/PCM12X Dedicated

No.04854
USB Cable
(Dedicated for DSX12/ PCM12X)

No.05050
Servo Absorber Rubber Fittings (8 Pieces) (For General Use)

No.05051
Servo Eyelet Set (20 Pieces) (For General Use)

No.05001
Servo Mounting Screws (16 Pieces)

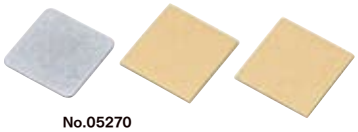
No.05003
Aluminum Horn Screws (15 Pieces) (For 375, 385, and 341)

No.05000 (For General Use)
No.05002 (With Washers for Metal Gears)
Servo Horn Screws (15 Pieces)
Note: Photo shown are No.05000 with Tapping screw

No.05055
Mini Absorbers Set (Each 8 Pieces) (For Micro/Mini Servos)

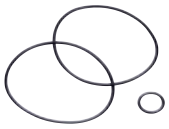
JR PROPO ACCESSORIES

No.05282
Two-Sided Tape for Gyros
● For G700T/G770T/G750T/G420T



No.05270
Gyro Shield Plate Set
● For G7000T/G490T

No.04800
Connector Base (Charging Socket)



No.05500
Servo O-Ring Set

Rod Antenna
No.06202 ●For COBRA
No.06204 ●For XS3
No.06206 ●For R-1 (Black)
No.06221 ●For PCM12X/10X/9XII/11X ZERO/X2720/X2610

New

No.08501 PC Data Transfer Ver.2
By saving transmitter model data in a PC, the backup and exchange of information between flyers is made easier. In addition, it is possible to print out setting data to compare, confirm, and distribute data.

(Set Contents)
USB Adapter/ DSC Cord (AL)/ CD-ROM
(Supported Transmitters)
DSX11/ 11X ZERO/ DSX9
PCM9XII/ 9XII LTD/ 9X/ 10X

(Operating Environment)
OS: Microsoft ® Windows ® 7, Vista, XP
CPU: Intel ® Pentium ® III 800MHz or faster
Memory: 512MB or more
Hard Disk Space: 150MB

* Operation is not guaranteed on all PCs.
* The transfer of data from the PC to a transmitter is only possible for the same model and same type as the data that is currently being adjusted on the PC screen.

● Microsoft and Windows are registered trademarks of Microsoft Corporation in the United States and other countries.
● Intel and Pentium are registered trademarks of Intel Corporation.
● Other product names are trademarks or registered trademarks of the respective companies.

No.06020(S) No.06021(B) No.06022(R)
Hook Adapters
For DSX12/PCM12X/DSX9/PCM9XII/X7R
* These are not supported on the DSX11/11X ZERO.

No.06118
● For DSX12/PCM12X
No.06119
● For DSX9/PCM10X/PCM9XII/II LTD
Stick Shaft (1 Shaft)

No.06161 ● For Airplanes
No.06165 ● For Helicopters
Engine Control Ratchet Plate (For Transmitter Throttle)

No.06030
Side Rubber Grip Set (2 Pieces)
● For PCM9XII

No.06031
Side Rubber Grip B (1 Piece)
● For PCM9XII Limited

Stick Heads 12X (1 Set/2 Sticks)
No.06114
Normal Stick Head 24mm
No.06115
Short Stick Head 16mm
No.06116
Long Stick Head 34mm

No.06090
Flower Stick

No.06080 Long Stick Head 34mm
No.06070 Short Stick Head 19mm
Color Stick Heads (1 Set/2 Sticks)

No.06060(B) No.06063(R) No.06062(G)
Color Stick Heads (24mm) (1 Set/2 Sticks)

No.06913
Aluminum Carrying Case
● For 2 Transmitter Units/ Supporting DSX12/9/7
● Dimensions (mm)/Weight (kg): 195x290x415/2.6

No.06903
Carrying Case
● Supporting DS9/DSX7 For 9X/9XII/X2720/X2610

No.06907
PROPO Transmitter Bag L
● For DSX11, 11X ZERO, DSX9, DSX7

No.06000
PROPO Transmitter Belt

Protects LCD screen from scratches and dirt.
No.06500 (A) **No.06501** (B)
No.06502 (C) **No.06503** (D)
LCD Protective Film
(A) For DSX7,X2720
(B) For DSX9,PCM9X
(C) For DSX12,PCM12
(D) For DSX11,11X ZERO

Possible to wear over the top of your spectacles.

No.08820
Over-glasses
(Made in Japan)
JR-OG1
● With Case

No.08810 G
No.08811 R
No.08812 Y
Sunglasses
● With Case

JR Cap
No.08808 R(Red)
No.08809 N (Navy)
No.08813 R10(Red)
No.08814 B10(Black)

No.08603
Team JR Stickers

No.08620
Transfer Stickers
● Dimensions (mm): 107x189

No.08606 R (Red)
No.08607 B (Black)
No.08608 W (White)
JR Logo Stickers
● Dimensions (mm): 235x330

No.08610
DSMJ Stickers

No.08604
Stickers A

No.08605
Stickers B

No.08611
Japanese Flag Stickers II

● Dimensions (mm): 145x250(A,B,Japanese Flag Stickers II) 149x210(DSMJ)

THE WING

2011 JR PROPO ALL PRODUCTS CATALOG

JR PROPO®

LAUNCH TO THE WORLD TEAM JR

http://www.jrpropo.co.jp

Japan Remote Control Co., Ltd.

JR REMOTE CONTROL

For more information concerning the JR products, kindly contact your nearest hobby store or agent or JR distributor in your country.

● Note that the product exterior or parts of the functions may be changed at any time without prior notice. ● This catalog is current as of Jan 2011.