

2006

HITEC PRODUCT LINE

**RADIO CONTROL SYSTEMS
RECEIVERS
SERVOS
SPEED CONTROLLERS
CHARGERS
ACCESSORIES**

OPTIC 6 6 Channel FM Computer Aircraft Radio

Hitec's Optic 6 FM/QPCM six channel FM computer radio system re-defines the 6 channel marketplace. The Optic 6 is loaded with Power Plane, Sailplane, Helicopter programming and a large 8 model memory. Available in 7 different system configurations, the Optic 6 offers assignable switches, throttle lock, dual timer functions and two slider switches. Applications include full house sailplanes, electric and glow fixed wing planes and helicopters. The Optic's "Quick Signal" Q-PCM systems is also a great match for gas powered planes and heli's.

OPTIC 6



Stock # 158721 Standard Version

Includes: Transmitter, 4 HS-325HB Ball Bearing Servos and Supreme Receiver, With Rechargeable Transmitter and Receiver Batteries with AC Charger

Stock # 158722 SPECTRA Version

Includes: Transmitter w/ SPECTRA Module
With Rechargeable Transmitter Batteries and AC Charger

Stock # 158723 SPECTRA Version w/Supreme Receiver

Includes: Transmitter w/ SPECTRA Module, Supreme Receiver
With Rechargeable Transmitter Batteries and AC Charger



New Small Electric Plane System!

Stock# 158726

Includes: Transmitter, Electron Receiver, Two HS-55s
With Rechargeable Transmitter Batteries and AC Charger

Standard Programming

- 8 Model Memory
- EPA
- Servo Reverse
- Sub Trim
- Exponential (ch1, 2, & 4)
- Dual Rates (ch1, 2, & 4)
- PPM/Q-PCM
- Fail Safe (Q-PCM Only)
- Model Name
- Model Reset
- Model Copy
- Model Select
- Shift Select
- 2 P-mixes
- Throttle Cut
- Trainer

ACRO/Glider Programming

- Aileron Differential Mix
- Landing Mode Mix
- Flaperon Mix
- Elevon Mix
- V-Tail Mix
- Aileron-Rudder Mix
- Ailervator (Dual Elevator) Mix
- Elevator-Flap Mix
- Two P-Mixes Mix
- Crow Mix
- Camber or reflex

HELI Programming

- 120 CCPM and 90 Mechanical
- Rudder- Throttle
- 5 Point Throttle Curve
- 5 Point Pitch Curve
- Throttle Hold
- Revo Mixing
- Swash Select
- Gyro Gain
- 1 NOR and 2 Idle-ups

Exciting New Features

- Slider Switch
- Dual Trimmers
- Assignable Switches
- Ergonomic Case Design
- Full trailing edge camber and reflex
- Ailervator (Dual Elevator)



SPECTRA Synthesized
RF Module



2 Slider Controls and
Function Assignable Switches



Adjustable sticks



Big easy to read screen



SPECTRA 72

72MHz Transmitter
Frequency Synthesizer Module

Application

Designed for use in the Hitec Eclipse,
Optic and Prism radio transmitters

Specifications

Modulation
FM and Q-PCM / PCM
Frequency Band 72MHz
Stock# 24472

OPTIC 6 Q-PCM 6 Channel Q-PCM Aircraft Computer Radio

For those that demand that extra level of performance and reliability, Hitec's radio R&D department has created a "super fast response" PCM technology we called "Q-PCM". This new "Quick" PCM signal sets a new industry standard with an incredible 0.023 second response rate, nearly 150% faster than any other PCM technology!

Quick Response Q-PCM With Shock Absorber Technology

Combine the New OPTIC Transmitter With Our New Affordable HPD-07RH 7 Channel Q-PCM Receiver Equipped with HITEC Shock Absorber Technology.

Stock # 158724 Q-PCM Version

Includes: Transmitter, 4 HS-325HB Ball-Bearing Servos,
7-channel Q-PCM (HPD-07RH) Receiver,
With Rechargeable Transmitter
and Receiver Batteries with AC Charger

Stock # 158725 Spectra Q-PCM Transmitter Version

Includes: Transmitter with Spectra Synthesizer Module,
7-channel Q-PCM Receiver (HPD-07RH)
With Rechargeable Transmitter, Batteries with AC Charger



HPD-07RH
Q-PCM 7 Channel Receiver
See page 20
for detailed information.

ECLIPSE 7 Q-PCM 7 Channel Q-PCM Aircraft Computer Radio

Hitec's most sophisticated computer aircraft radio is the Eclipse 7 FM, featuring 7 channels and a 7 model memory. The Eclipse has specific programming for fixed wing, glow, gas or electric planes, helicopters and sailplanes. Plus with the "Selectable Shift" function, you can operate any modern FM receiver and when used with the optional Spectra 72MHz frequency synthesizer module you can transmit on any of the fifty, 72MHz channels with the twist of a dial.

Features

- 7 Channel FM, PCM Signal
- 7 Model Memory
- Heli Mode
- Fixed Wing Mode
- Glider Mode
- Optional Spectra Frequency Synthesizer
- Digital Trims
- 7 Character Model Naming
- Three Conditional Mixes per Model Memory
- Five Programmable Mixes (Two in Heli Mode)
- Model Copy
- Sub Trims
- Shift Selectable
- In-Flight Timer and Alarm
- Low Tx Battery Warning
- End Point Adjustments for All Channels
- All Channel Servo Reversing
- Dual Rates on Channel 1, 2 and 4
- Exponential Rates on Channels 1, 2 and 4
- Data Reset to Defaults
- Trainer Jack and Switch
- Throttle Cut Switch
- Auto Engine Cut Switch
- Engine Hold



ECLIPSE 7

Acro :

Landing Mix
Flap Trim Adjust
Elevator-Flap Mix
Aileron-Rudder Mix
Elevon Mix
V-Tail Mix
Flaperon Mix
Aileron Differential

Helicopter :

Throttle Cut
Rudder-Throttle Mix
2 Idle-up, 1 Throttle Hold
5 Point Throttle Curve
5 Point Pitch Curve
Gyro Gain Adjust
Revolution Mix
Hovering Pitch Knob
Hovering Throttle Knob
Engine Lock Switch
Normal Swash Mode and
120 and 180 Degree
CCPM Modes

Glider :

(2 servo Wing Mode)
Camber Mix
Aileron Differential
V-Tail Mix
Elevator-Flap Mix
Aileron-Rudder Mix
Flap-Aileron Coupling
Flap-Elevator Coupling
Flap-Aileron Trim
(4 Servo Wing Mode)
Same as Above Plus:
Crow Mix
Aileron-Dual Flap Trim
Aileron-Dual Flap Coupling
Dual Flap-Aileron Trim
Aileron-Flap Coupling



SPECTRA 72

**72MHz Transmitter
Frequency Synthesizer Module**

Application

Designed for use in the Hitec Eclipse, Optic and Prism radio transmitters

Specifications

Modulation
FM and Q-PCM / PCM
Frequency Band 72MHz
Stock# 24472

Stock # 171721 Airplane Version

Includes: Transmitter, 4 HS-422 Servos, 8 Ch. Supreme Receiver,
With Rechargeable Transmitter and Receiver Batteries with AC Charger

Stock # 171724 Transmitter Only w/Spectra Module

Includes: Transmitter w/Spectra Synthesizer Module,
With Rechargeable Transmitter Batteries, and AC Charger

Stock # 171728 Aircraft Spectra Version

Includes : Transmitter w/Spectra Module, 8 Ch. Supreme Receiver,
With Rechargeable Transmitter Batteries and AC Charger

ECLIPSE 7 Q-PCM 7 Channel Q-PCM Aircraft Computer Radio

Combine the Q-PCM Eclipse Transmitter With Our New Affordable
HPD-07RH 7 Channel Q-PCM Receiver Equipped with HITEC Shock Absorber Technology.

Stock # 172724 Q-PCM Spectra Version

Includes :
Transmitter, w/Spectra Synthesizer Module,
HPD-07RH QPCM 7 Channel Receiver,
With Rechargeable Transmitter Batteries
and AC Charger



**HPD-07RH
Q-PCM 7 Channel Receiver**
See page 20
for detailed information.

LASER 4 & 6 Four & Six Channel FM Aircraft/Surface Radio

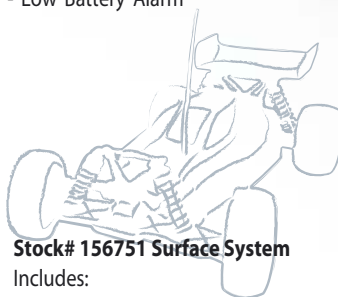
Check out the powerful Laser 4 and 6 analog sport radio systems from Hitec. As you may expect, we loaded these transmitters with great features like Elevon and V-tail mixing built right into the radio, and as a bonus, the Laser 6 comes with aileron and elevator dual rates plus much more! For all the glider and micro airplane fans, we are offering two different versions of the Laser 4 systems just for you!



LASER 4

Features

- 4 Channel FM Transmitter
- All Channel Servo Reversing
- ATV on Ch. 1 and 2
- Ch. 1 and 2 "Elevon" Mixing Option
- Ch. 2 and 4 "V-tail" Mixing Option
- 5 LED Power Meter
- Trainer Switch
- Ergonomic Case
- Low Battery Alarm



Stock # 156751 Surface System

Includes:
Transmitter w/Supreme 8 Ch.
Dual Conversion 75 MHz Receiver,
2 HS-322 Servos, With Rechargeable
Transmitter Batteries, AC Charger
and "Dry" Battery Box

Stock # 156721 Standard System

Includes:
Transmitter w/Supreme 8 Ch.
Receiver, 4 HS-322 Servos,
With Rechargeable Transmitter
and Receiver Batteries with AC Charger

Stock # 156722 Glider System

Includes:
Transmitter w/Micro "555"
5 Ch. Micro Receiver,
3 HS-81 Micro Servos,
With Rechargeable Transmitter
and Receiver Batteries with AC Charger

Stock # 156724 Micro System

Includes:
Transmitter w/Micro 05S
5 Ch. Micro Receiver,
2 HS-55 Micro Servos,
With Rechargeable Transmitter Batteries
and AC Charger



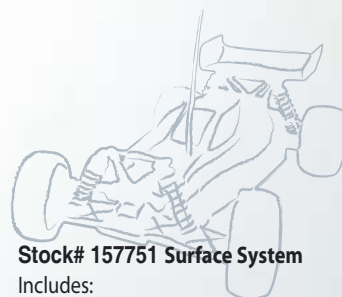
LASER 6

Features

- 6 Channel, FM Transmitter
- All Channel Servo Reversing
- Aileron and Elevator Dual Rates
- ATV on Ch. 1 and 2
- EPA on Ch. 3
- Ch. 1 and 2 "Elevon" Mixing Option
- Ch. 2 and 4 "V-tail" Mixing Option
- Analog Transmitter Power Meter
- Trainer Switch
- Ergonomic Case

Stock # 157722 Aircraft System

Includes:
Transmitter w/Supreme 8 Ch.
Receiver, 4 HS-325HB Servos,
With Rechargeable Transmitter
and Receiver Batteries
with AC Charger



Stock # 157751 Surface System

Includes:
Transmitter w/Supreme 8 Ch.
Dual Conversion 75MHz Receiver,
2 HS-322 Servos, With Rechargeable
Transmitter Batteries, AC Charger
and "Dry" Battery Box

NEON SS FM Single Stick FM 3 & 4 Channel Aircraft Radio

Evolution in action. The Hitec NEON SS Single Stick systems offers a comfortable ergonomic design.

The NEON also features built in channel 1 and 2 mixing, for all the popular flying wing aircraft. Fly it stock, out of the box or add the optional upgrade packages.

Features

- Single Stick 3 Channel, (upgradeable to 4 channel)
- FM Proportional System
- Dual Axis Precision Gimbal
- Adjustable Gimbal Stick Length
- Adjustable Gimbal Stick Tension
- 3 LED Battery Status Indicators
- Charging Jack for Optional Internal NiCd Battery
- Servo Reversing for All Channels
- Elevon or V-tail Mixing Function
- Proportional 3rd. Channel Slide Switch
- Channel 1 and 2 Trim Levers

Stock#148721 Neon SS FM Deluxe Version

Includes: Transmitter, Electron 6 FM Receiver, 2 HS-81 Micro Servos, With Rechargeable Transmitter Batteries, AC Charger and "Dry" Battery Box

Stock#148722 Neon SS FM Micro Version

Includes: Transmitter, HFS-04MG Receiver, 2 HS-55 Feather Servos, Supplied "Dry" without Transmitter or Receiver Batteries ("AAA" Receiver Battery Box)

Stock#148725 Neon SS FM Feather Version

Includes: Transmitter, Micro 05S FM Receiver 2 HS-55 Feather Servos, Supplied "Dry" without Transmitter or Receiver Batteries ("AAA" Receiver Battery Box)

NEON-SS FM



"Upgradeable" with ATV's, Trainer system, a 4th. Channel, and Dual Rates!

Options

- Channel 1, 2 and 3 ATV Function **Stock# 54302**
- Trainer Plug and Switch **Stock# 54303**
- Channel 1 and 2 Dual Rate Function **Stock# 54304**
(Must use optional **Stock# 54302**, ATV function in Addition to This Option)
- Channel 4 Three Position Switch **Stock# 54305**



Optional channel 4, 3 position switch and optional channel 1 and 2 dual rate switch.



Channel 1 and 2 mixing switch and optional channel 1, 2, and 3 ATV.



Channel 3 throttle lever and optional trainer switch.

FLASH SYSTEM X 5 Channel FM Aircraft Computer Radio

Looking to get the most out of a radio system without spending a pile of money? Then take a close look at the Flash 5 System X computer radio system. This radio features a five model memory, digital trims and the "AutoSave" function, no other system can touch the Flash radio for quality and value. Want a little more? The Flash 5 has 3 special flight modes for sport, electric or sailplane, as well as most of the popular mixes. The Flash 5 is also offered as a glider system with smaller servos and receiver.

Features

- 5 Channel FM
- 5 Model Memory
- Digital Trims
- Mode I or Mode II Capable
- In-Flight Timer and Alarm
- Low Battery Warning
- End Point Adjustments for All Channels
- All Channel Servo Reversing
- Exponential Rates on Channels 1, 2 And 4
- Data Reset to Defaults
- Trainer Jack
- Auto Engine Cut Switch
- 3 Pre-Set Mixes, Aileron - Rudder, Elevon, V-Tail
- Flaperon Capable
- 3 Model Modes, Acrobat, Glider and Glider/Acro
- Channel 5 Retract Switch
- Camber Adjustment
- Dual Rates on Channel 1 and 2
- Proportional Flaps on Throttle Stick
- Electric Motor Controller 3 Position Switch
- Channel 1 and 5 are Used for Two Ailerons Servos Allowing for the Use of Very Creative Flaperon, Spoileron and Camber or Reflex Mixes

Stock#155722 Flash 5 X Glider version

Includes: Transmitter,
Micro 555 5 Channel Receiver,
3 HS-81 Micro Servos,
With Rechargeable Transmitter
and Receiver Batteries with AC Charger

Stock# 155723 Flash 5X

Includes: Transmitter,
Micro 555 5 Channel Receiver,
4 HS-325 Servos, Switch Harness,
With Rechargeable Transmitter
and Receiver Batteries with AC Charger



RANGER II N 2 Stick 2 Channel AM Surface Radio System

Featuring an ergonomic case design, the Ranger 2N AM is the most comfortable two stick, two channel radio we have ever made. The Ranger 2N is a "dry" system and is available in both 27 and 75MHz packages.

Features

- Two Channel AM Two Stick Transmitter
- Servo Reversing
- External Charging Jack
- Optional Ratchet for Throttle
- Steering and Throttle Trims
- Recessed On/Off Switch
- Comfortable Metal Handle

Stock# 135271 Ranger 2N 27MHz

Stock# 135751 Ranger 2N 75MHz

Includes: Transmitter, 2 Ch. AM Receiver,
2 HS-311 Standard Servos, Supplied "dry"
without Transmitter or Receiver Batteries (AA Battery Box)

RANGER II N



AGGRESSOR CRX 3 Channel Computer Radio System

The competition ready Aggressor CRX 3-channel, FM computer pistol grip radio systems features a 20 model memory, high definition graphic LCD display, digital trims, push button third channel for shifting, and an easy to program user interface with all the bells and whistles anyone could ever need. The CRX is sure to be a hit with racers while still keeping the sport user in mind.

Features

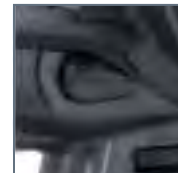
- Ergonomically Designed 3 Channel Pistol Grip FM Computer Radio
- 2.4GHz Compatible
- Progressive Rate Steering
- Super Quick 14ms Response Time
- High Definition/Multi-Pixel LCD Display
- Dual Rate Steering
- Brake ATL Switch
- Brake Lever Travel Limiter
- Steering Wheel Tension Adjustment
- Trim Center Audible Verification
- Third Channel "Shifting" Button
- Transmitter Low Battery Alarm
- Third Channel "Linear" Digital Trim
- Foam Steering Wheel for Comfortable Control
- Interchangeable Assorted Color Rubber Grip Pads in Two Sizes
- Transmitter Charging Jack for Included Rechargeable Batteries
- Digital Trims
- RF Indicator Light
- Two-Speed Menu Scrolling
- Total Transmitter "On" Time Timer

Programmable Features

- Model Naming (6 Characters)
- Model Select (20 Models)
- Sub-Trims
- Ch #3 Switch Set (Shift, Linear)
- EPA (End Point Adjustment)
- Steering and Throttle Exponential Travel
- ABS (Anti-Lock Braking)
- Steering to Aux/Throttle to Aux Mixing
- Timer (Up/Down)
- Servo Reversing
- Model Copy
- Model Reset (Factory Default)



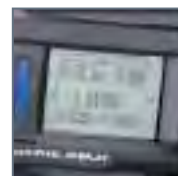
Steering Dual Rate & ATL Switch



3rd. Channel Button.



Input Buttons



High Resolution LCD Screen



DCX

Three Channel FM Dual Conversion Receiver

CRX Systems Feature the Highest Performance Surface Receiver in the World, the Hitec Dual Conversion DCX receiver.

Stock# 127271

27MHz Transmitter, DCX Receiver, 1 HS-325HB Servo, With Rechargeable Transmitter Batteries, AC Charger and "Dry" Battery Box

Stock# 127751

75MHz Transmitter, DCX Receiver, 1 HS-325HB Servo, With Rechargeable Transmitter Batteries, AC Charger and "Dry" Battery Box

Stock# 127752

75MHz Transmitter only w/Spectra, With Rechargeable Transmitter Batteries and AC Charger



SPECTRA 75

75MHz Transmitter Frequency Synthesizer Module

Application :

Designed for Use in the Hitec Lynx 3D, CRX and SRX FM Transmitter

Specifications :

Modulation FM only
Frequency Band 75MHz only
Stock# 24475

Both the CRX and SRX are 2.4GHz Compatible with all Existing 2.4GHz Systems.

3 CHANNEL COMPUTER RADIO CONTROL SYSTEM
AGGRESSOR CRX

AGGRESSOR SRX 3 Channel Computer Radio System

Wake-up your ride with the performance packed SRX radio from Hitec. This three channel FM pistol grip computer radio system is a great upgrade from the stock radio systems available with most RTR packages. Easy to install, with a "rock solid" signal, the feature filled SRX can use the Hitec SPECTRA synthesizer module for crystal free performance. With ten model memories available and four character models naming, the SRX is the only radio you need for your whole fleet of cars, trucks, buggies and boats.

Features

- Clear and Reliable FM Signal
- 2.4GHz Compatible
- Dual Mode 3rd. Channel (shift or linear)
- Quick 14ms Response Rate
- Progressive Spring Steering
- Clear LCD Display
- 10 Model Memories
- 4 Character Model Naming
- Brake ATL Switch
- Brake Lever Travel Limiter
- Steering Wheel Tension Adjust
- Transmitter Battery Charging Jack
- Two Speed Menu Scrolling
- SPECTRA Synthesizer Module Compatible
- Replaceable "Grip Pads" Available in Different Thicknesses and Colors Comfortable for Big and Little Hands

Stock # 129271

27MHz Transmitter
HFS-03MM 3 Channel FM Receiver
One HS-311 Servo, Supplied "Dry"
without Transmitter or
Receiver Batteries

Stock # 129751

75MHz Transmitter
HFS-03MM 3 Channel FM Receiver
One HS-311 Servo, Supplied "Dry"
without Transmitter or
Receiver Batteries

Stock # 129752

Monster Truck Version
75MHz Transmitter
HFS-03MM 3 Channel FM Receiver
One HS-645MG Hi-Torque Servo,
Supplied "Dry" without
Transmitter or
Receiver Batteries
HS-645 for "Monster Truck"
Edition (Stock # 129752)



Stock # 129754

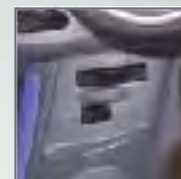
75MHz Transmitter
HFS-03MM 3 Channel FM Receiver,
Spectra Synthesizer Module,
No Servos, Supplied "Dry"
without Transmitter or
Receiver Batteries

Stock # 129753

75MHz Transmitter
HFS-03MM 3 Channel FM Receiver
No Servos, Supplied "Dry"
without Transmitter or
Receiver Batteries

Programmable Features

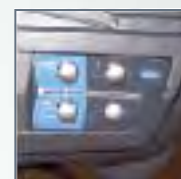
- Steering Dual Rate
- Steering and Throttle
Exponential Rates
- End Point Adjustments
- Servo Reversing
- Sub Trims for Quick and
Easy Set-up
- Timer



Steering Dual Rate
& ATL Switch



3rd. Channel Button.



Input Buttons



LCD Screen



SPECTRA 75

75MHz Transmitter
Frequency Synthesizer Module

Application :

Designed for Use in the
Hitec Lynx 3D, CRX and
SRX FM Transmitter

Specifications :

Modulation FM only
Frequency Band 75MHz only
Stock# 24475

Both the CRX and SRX are 2.4GHz
Compatible with all Existing 2.4GHz Systems.

3 CHANNEL COMPUTER RADIO CONTROL SYSTEM
AGGRESSOR SRX

AGGRESSOR AM & FM 2/3 Channel Pistol Grip Radio System

Hitec's Aggressor 2 AM & Aggressor 3 FM have "raised the bar" by offering the first customizable radios with interchangeable components in different colors and designs. Change the Grip Pad and Tuning Cover for a custom fit and look; many colors and designs are available to set you apart from the crowd. We loaded the radios with features: Dual Rate Steering, servo reversing, external charging jack, and rock solid reception. The Aggressor FM 3 ch. also comes standard with a push button third channel that can be used for shifting! In addition, the FM is also equipped with throttle and steering End Point Adjustments (EPAs), for easier set-up and maximum performance of your electric or nitro powered vehicles.

AGGRESSOR AM

2 Channel Pistol Grip Radio System

Features

- Ergonomically Designed
- 2 channel Pistol Grip AM Radio
- Servo Reversing (All channels)
- Dual Rate Steering (Adjustable on the Fly)
- 3 L.E.D. Battery Status Indicators
- Interchangeable Rubber Grip Pads to Two Sizes
- Assorted Colored Grip Pads and Tuning Covers for Personalizing Your Radio
- Foam Steering Wheel for Comfortable Control
- Charging Jack for Optional Rechargeable Batteries
- Receiver Dry Battery Holder

Stock# 125751

75MHz Transmitter, 2 Ch. AM Receiver,
2 HS-311, Supplied "Dry" without
Transmitter or Receiver Batteries

Stock# 125752

75MHz Transmitter, 2 Ch. AM Receiver,
1 HS-311, EZX-R ESC,
Supplied "Dry" without
Transmitter or Receiver Batteries

Stock# 125753

75MHz Transmitter, 2 Ch. AM Receiver,
1 HS-311, Supplied "Dry" without
Transmitter or Receiver Batteries

Stock# 125271

27MHz Transmitter, 2 Ch. AM Receiver,
2 HS-311, Supplied "Dry" without
Transmitter or Receiver Batteries

AGGRESSOR FM

3 Channel Pistol Grip Radio System

Features

- Ergonomically Designed
- 3 Channel Pistol Grip FM Radio
- Servo Reversing (Channels 1 & 2)
- End Point Adjustments (EPA) for Steering and Throttle
- Dual Rate Steering (Adjustable on the Fly)
- 3rd Channel Push Button for Shifting
- 3 L.E.D. Battery Status Indicators
- Audible Power Indicator
- Interchangeable Rubber Grip Pads in Two Sizes
- Assorted Colored Grip Pads and Tuning Covers for Personalizing Your Radio
- Foam Steering Wheel for Comfortable Control
- Charging Jack for Optional Rechargeable Batteries
- 3-CH FM Micro Receiver
- Receiver Dry Battery Holder

Stock # 126751

75MHz Transmitter, HFS-03MM Receiver,
1 HS-325HB, Supplied "Dry" without Transmitter
or Receiver Batteries

Stock # 126752

75MHz Transmitter, HFS-03MM Receiver,
Supplied "Dry" without Transmitter
or Receiver Batteries



Aggressor AM & FM Accessories



54306 Tuning Cover for Aggressor (Paintable Clear, Red, Blue)

54307 Tuning Cover for Aggressor (Camouflage)

54308 Tuning Cover for Aggressor (Silver Carbon)



54309 Grip Pad for Aggressor Thin (Red, Blue, Black)

54310 Grip Pad for Aggressor Thick (Red, Blue, Black)

AGGRESSOR

51 Different Hitec Servos To Choose from

HITEC MODEL	HITEC PART #	DESCRIPTION	TORQUE 4.8/6.0V oz-in	SPEED sec/60°at 4.8/6.0V	BEARING	SIZE LxWxH in	WEIGHT oz	ACCESSORY PART# G=GEAR C=CASE							
HS-50	31050#	FEATHER	8.33oz/ *	.09/ *	NONE	0.82"x0.44"x0.86"	0.22oz.	G#56355 / C#55404	•	•					
HS-55	31055#	FEATHER	15.27oz/18.05oz	.17/.14	NONE	0.89"x0.45"x0.94"	0.28oz.	G#55001 / C#55405	•	•	•				
HS-56HB	33056#	FEATHER	13.88oz/16.66oz	.12/.10	TOP BB	0.88"x0.45"x0.94"	0.39oz.	G#55007 / C#55412	•	•	•				
HS-65HB	33065#	MIGHTY FEATHER	22.21oz/26.38oz	.12/.10	TOP BB	0.92"x0.45"x0.94"	0.39oz.	G#55007 / C#55418	•	•	•				
HS-65MG	31065#	HIGH TORQUE	24.99oz/30.55oz	.14/.11	TOP BB	0.92"x0.45"x0.94"	0.44oz.	TBA	•	•		MICRO	MICRO		
HS-75BB	31075#	RETRACT	91.65oz/113.87oz	.16/.13	TOP BB	1.73"x0.9"x0.98"	1.23oz.	G#56343 / C#56344	•	•					
HS-77BB	31077#	LOW PROFILE	61.1oz/76.30oz	.18/.14	TOP BB	1.73"x0.9"x0.98"	1.23oz.	G#56370 / C#56344	•	•					
HS-81	31081#	MICRO	36.10oz/41.66oz	.11/.09	NONE	1.17"x0.47"x1.16"	0.58oz.	G#56403 / C#56404	•	•	•				
HS-81MG	32081#	MICRO	36.10oz/41.66oz	.11/.09	NONE	1.17"x0.47"x1.16"	0.67oz.	G#56386 / C#56404	•	•	•				•
HS-85BB	31085#	MIGHTY MICRO	41.66oz/48.60oz	.16/.14	TOP BB	1.14"x0.51"x1.18"	0.67oz.	G#56365 / C#56366	•	•	•				•
HS-85MG	32085#	MIGHTY MICRO	41.66oz/48.60oz	.16/.14	TOP BB	1.14"x0.51"x1.18"	0.77oz.	G#56388 / C#56366	•	•	•				•
HS-125MG	32125#	SLIM (THIN) WING	41.66oz/48.60oz	.17/.13	DUAL BB	1.18"x0.39"x1.33"	0.84oz.	G#55301 / C#55408	•	•					
HS-225BB	31225#	MIGHTY MINI	54.15oz/66.65oz	.14/.11	TOP BB	1.27"x0.66"x1.22"	0.95oz.	G#56341 / C#56342	•	•		•			•
HS-225MG	32225#	MIGHTY MINI	54.15oz/66.65oz	.14/.11	TOP BB	1.27"x0.66"x1.22"	1.09oz.	G#56396 / C#56342	•	•		•			•
HS-311	31311#	STANDARD	42oz/48.60oz	.19/.15	NYLON	1.57"x0.78"x1.43"	1.51oz.	G#55002 / C#55403	•	•		•			•
HS-322HD	33322#	DELUXE	41.66oz/51.38oz	.19/.15	NYLON	1.57"x0.78"x1.43"	1.51oz.	G#55003 / C#55403	•	•		•			•
HS-325HB	33325#	DELUXE	41.66oz/51.38oz	.19/.15	TOP BB	1.57"x0.78"x1.43"	1.51oz.	G#55003 / C#55403	•	•	•	•			•
HS-422	31422#	DELUXE	45.82oz/56.93oz	.21/.16	DUAL OILITE	1.59"x0.77"x1.44"	1.6oz.	G#56334 / C#56339	•	•		•			•
HS-425BB	31425#	DELUXE	45.82oz/56.93oz	.21/.16	DUAL BB	1.59"x0.77"x1.44"	1.6oz.	G#56334 / C#56339	•	•	•	•			•
HS-475HB	33475#	DELUXE	61.10oz/76.37oz	.23/.18	TOP BB	1.52"x0.77"x1.41"	1.41oz.	G#55004 / C#55409	•	•	•	•			•
HS-525MG	32525#	METAL GEAR	45.82oz/56.93oz	.17/.13	TOP BB	1.56"x0.77"x1.41"	1.56oz.	G#56345 / C#56347	•	•	•	•			
HS-545BB	31545#	HIGH TORQUE	61.1oz/76.37oz	.22/.17	TOP BB	1.56"x0.77"x1.4"	1.78oz.	G#56394 / C#56347	•	•		•	•		
HS-625MG	32625#	SUPER TORQUE	76.37oz/94.43oz	.18/.15	DUAL BB	1.59"x0.77"x1.48"	1.94oz.	G#55302 / C#55402	•	•		•	•		
HS-635HB	33635#	HIGH TORQUE	69.43oz/83.32oz	.18/.15	DUAL BB	1.59"x0.77"x1.52"	1.76oz.	G#55006 / C#55411	•	•	•	•	•		
HS-645MG	32645#	ULTRA TORQUE	106.93oz/133.31oz	.24/.20	DUAL BB	1.59"x0.77"x1.48"	1.94oz.	G#55303 / C#55402	•	•		•	•		•
HS-755MG	32755#	QUARTER SCALE	166.64oz/199.97oz	.28/.23	DUAL BB	2.32"x1.14"x1.96"	4.12oz.	TBA	•					•	•
HS-755HB	33755#	QUARTER SCALE	152.75oz/183.31oz	.28/.23	DUAL BB	2.32"x1.14"x1.96"	3.88oz.	G#55008 / C#55413	•						•
HS-765HB	33765#	SAIL CONTROL	152.75oz/183.31oz	.28/.23	DUAL BB	2.32"x1.14"x1.96"	3.88oz.	G#55011 / C#55413						•	
HS-785HB	33785#	WINCH SERVO	152.75oz/183.31oz	1.68/1.38	DUAL BB	2.32"x1.14"x1.96"	3.88oz.	G#55012 / C#55413						•	
HS-805BB	31805#	MEGA QUARTER SCALE	274.96oz/343.01oz	.19/.14	DUAL BB	2.59"x1.18"x2.26"	5.36oz.	G#56350 / C#56352	•			•			•
HS-815BB	31815#	MEGA SAIL	274.96oz/343.01oz	.19/.14	DUAL BB	2.59"x1.18"x2.26"	5.36oz.	G#56350 / C#56352						•	
HS-925MG	32925#	ULTRA SPEED	84.71oz/106.93oz	.11/.08	DUAL BB	1.55"x0.78"x1.48"	1.97oz.	G#56382 / C#56351	•	•	•	•	•		•
HS-945MG	32945#	ULTRA TORQUE	122.2oz/152.75oz	.16/.12	DUAL BB	1.55"x0.78"x1.48"	1.97oz.	G#56383 / C#56351	•	•	•	•	•		•
HS-5125MG	35125#	(THIN) DIGITAL WING	41.66oz/48.60oz	.17/.13	DUAL BB	1.18"x0.39"x1.33"	0.84oz.	G#55301 / C#55408	•	•					•
HS-5245MG	35245#	DIGITAL MINI	61.10oz/76.37oz	.15/.12	DUAL BB	1.27"x0.66"x1.21"	1.12oz.	G#56396 / C#56342	•	•		•			•
HS-5475HB	35475#	DIGITAL STANDARD	61.10oz/76.37oz	.23/.18	DUAL BB	1.52"x0.77"x1.41"	1.41oz.	G#55004 / C#55409	•	•	•				•
HS-5625MG	35625#	DIGITAL SUPER SPEED	109.70oz/130.53oz	.17/.14	DUAL BB	1.59"x0.77"x1.48"	2.11oz.	G#55302 / C#55402	•	•	•	•	•		•
HS-5645MG	35645#	DIGITAL SUPER TORQUE	143.03oz/168.03oz	.23/.18	DUAL BB	1.59"x0.77"x1.48"	2.11oz.	G#55303 / C#55402	•	•	•	•	•		•
HS-5745MG	35745#	DIGITAL QUARTER SCALE	208.30oz/249.96oz	.18/.15	TRIPLE BB	2.32"x1.14"x2.04"	5.68oz.	G#55308 / C#55415	•			•			•
HS-5965MG	35965#	CORELESS DIGITAL	119.42oz/144.42oz	.13/.10	DUAL BB	1.57"x0.78"x1.45"	2.18oz.	TBA	•		•	•	•	•	•
HS-5985MG	35985#	CORELESS DIGITAL	144.42oz/172.20oz	.16/.13	DUAL BB	1.57"x0.78"x1.45"	2.18oz.	TBA	•		•	•	•	•	•
HS-6635HB	36635#	DIGITAL HIGH TORQUE	69.43oz/83.32oz	.18/.15	DUAL BB	1.56"x0.77"x1.52"	1.83oz.	G#55006 / C#55411	•	•	•				
HS-6965HB	36965#	CORELESS DIGITAL	91.65oz/111.09oz	.10/.08	DUAL BB	1.57"x0.78"x1.45"	1.83oz.	G#55009 / C#55410	•	•	•				
HSC-6965HB	36965C#	CORELESS DIGITAL	91.65oz/111.09oz	.10/.08	DUAL BB	1.57"x0.78"x1.45"	1.83oz.	TBA	•		•	•	•	•	•
HS-6975HB	36975#	CORELESS DIGITAL	119.42oz/144.42oz	.13/.10	DUAL BB	1.57"x0.78"x1.45"	1.83oz.	G#55005 / C#55410	•	•	•				
HS-6985HB	36985#	CORELESS DIGITAL	144.42oz/172.20oz	.16/.13	DUAL BB	1.57"x0.78"x1.45"	1.83oz.	G#55010 / C#55410	•	•	•				
HS-5955TG	35955#	TITANIUM GEAR	249.96oz/333.29oz	.19/.15	DUAL BB	1.57"x0.78"x1.45"	2.18oz.	G#55311 / C#55419	•	•	•	•	•		•
HSC-5996TG	35996#	TITANIUM GEAR	105.54oz/138.87oz	.13/.10	DUAL BB	1.57"x0.78"x1.45"	2.18oz.	G#55307 / C#55414				•	•		•
HSC-5997TG	35997#	TITANIUM GEAR	136.09oz/180.53oz	.17/.14	DUAL BB	1.57"x0.78"x1.45"	2.18oz.	G#55309 / C#55414				•	•		•
HSC-5998TG	35998#	TITANIUM GEAR	199.97oz/249.96oz	.24/.19	DUAL BB	1.57"x0.78"x1.45"	2.18oz.	G#55310 / C#55414				•	•		•
HSR-5995TG	35995#	TITANIUM GEAR	333.29oz/416.61oz (6.0V/7.4V)	.15/.12 (6.0V/7.4V)	DUAL BB	1.57"x0.78"x1.45"	2.18oz.	G#55308 / C#55416 / C#55417							

= CONNECTOR VERSION - S/Z & J

Red Marked Servos : New for 2006

SERVO ACCESSORIES

SERVO HORN & HARDWARE SET

Stock #	Horn No.	Servo/horn & Hardware	Servos
55709	18 20 21 22 23	HEAVY DUTY SPLINED HORN SET	HS-765/5745/5925/5945/5975/6965/6985/6975/5955TG
55710	20 22 23	HEAVY DUTY SPLINED HORN SET	HS-475/625/645/925/945/5475/5625/6635HB
55706	5	MICRO SPLINED HORN SET(2PC)	HS-125MG/5125MG only
55707	17	METAL SPLINED HORN (HALF 1PC)	HS-5125MG/HS-5245MG
55708	1 2 3 34	FEATHER SPLINED HORN SET	HS-50/55
55711	4 5 6	MICRO SPLINED HORN SET	HS-56HB/65HB
55712	20 23 30	HEAVY DUTY SPLINED HORN SET	HS-635HB
55713	18 20 21 23	HEAVY DUTY SPLINED HORN SET	HS-755HB
55701	14	METAL SPLINED HORN SET(STANDARD HALF 1PC)	HS-5245/5625/5645/5925/5945MG
55702	16	METAL SPLINED HORN (1PC)	HS-5745MG
56315	10 11 12 13 14	REGULAR SPLINED HORN SET	HS-75/77/225/311/322/325/422/425/525/545/5245MG
56336		REGULAR SPLINED HARD WARE	HS-75/77/225/311/322/325/422/425/525/545/5245MG
56317	10 11 12 13 14	REGULAR SPLINED HORN & HARDWARE	HS-75/77/225/311/322/325/422/425/525/545/5245MG
56316	27 28 29	QUARTER SCALE SPLINED HORN SET	HS-705MG
56340		QUARTER SCALE SPLINED HARDWARE SET	HS-705MG
56326	7 8 9	MICRO SPLINED HORN SET	HS-81/85
56327	7 8 9	MICRO SPLINED HORN & HARDWARE SET	HS-81/85
56318	24 25	MEGA SPLINED HORN & HARDWARE SET	HS-805BB+/815BB
56314	32	SPOOL DRUM SPLINED (1PC)	HS-785BB
56361	38	SAIL ARM SPLINED (1PC)	HS-765HB
56362	33	SAIL ARM SPLINED (1PC)	HS-815HB
56402	30	SUPER SPLINED HORN (2PCS)	HS-225/311/475/525/545/625/645/925/945/5475/5625/5645/5925/5945/6635HB

SERVO GEAR SET (Nylon & KARBONITE)

Stock #	Servo	Stock #	Servo	Stock #	Servo
55003	HS-322HD/325HB KARBONITE GEAR SET	56403	HS-81 GEAR SET	56319	HS-605BB GEAR SET
55004	HS-475HB/5475HB KARBONITE GEAR SET	56324	HS-80/HS-101 GEAR SET	55006	HS-635HB/HS-6635HB KARBONITE GEAR SET
55005	HS-5975/6975HB KARBONITE GEAR SET WITH BALL BEARINGS	56365	HS-85BB+ GEAR SET	56390	HS-700BB GEAR SET
55009	HS-6965HB KARBONITE GEAR SET WITH BALL BEARINGS	56343	HS-75BB GEAR SET	56360	HS-715BB GEAR SET
55010	HS-6985HB KARBONITE GEAR SET WITH BALL BEARINGS	56370	HS-77BB GEAR SET	56348	HS-725BB GEAR SET
55002	HS-311/322/325BB GEAR SET	56341	HS-205BB/225BB GEAR SET	55008	HS-755HB KARBONITE GEAR SET
56355	HS-50 GEAR SET	56325	HS-300/HS-300BB/HS-303 GEAR SET	55011	HS-765HB KARBONITE GEAR SET
55001	HS-55 GEAR SET	56334	HS-422/HS-425 GEAR SET	55012	HS-785HB KARBONITE GEAR SET
55007	HS-56HB KARBONITE GEAR SET	56345	HS-525BB GEAR SET	56350	HS-805BB/HS-815BB GEAR SET
56312	HS-60 GEAR SET	56346	HS-545BB GEAR SET		

SERVO GEAR SET (METAL)

Stock #	Servo	Stock #	Servo	Stock #	Servo
56383	HS-945MG/5945MG METAL GEAR (MP first gear)	56399	HS-615MG METAL GEAR SET	55301	HS-5125MG/HS-125MG GEAR SET
55014	HS-5955/5995/5996/5997 METAL KARBONITE FIRST GEAR SET (3PCS)	55302	HS-625MG/5625MG METAL GEAR SET (MP FIRST GEAR)	56386	HS-81MG METAL GEAR SET (ALL METAL)
55015	HS-925/945/5925/5945 METAL PLASTIC FIRST GEAR SET (3PCS)	55303	HS-645MG/5645MG METAL GEAR SET (MP FIRST GEAR)	56392	HS-80/80MG/HS-101/101MG METAL GEAR SET
55016	HS-625/645/5625/5645 METAL PLASTIC FIRST GEAR SET (3PCS)	55304	HS-5735MG METAL GEAR SET (MP FIRST GEAR)	56388	HS-85MG+ METAL GEAR SET
55017	HS-5745/RHINO METAL PLASTIC FIRST GEAR SET (3PCS)	55308	HS-5745MG METAL GEAR SET (MP FIRST GEAR)	56394	HS-525MG METAL GEAR SET
55018	HS-225/5245 METAL PLASTIC FIRST GEAR SET (3PCS)	56398	HS-705MG METAL GEAR SET	56396	HS-205/225MG/5245MG METAL GEAR SET
55019	HS-125/5125 METAL PLASTIC FIRST GEAR SET (3PCS)	56382	HS-925MG/5925MG METAL GEAR (MP first gear)	56397	HS-605MG METAL GEAR SET

SERVO CASE SET

Stock #	Servo	Stock #	Servo	Stock #	Servo
55409	HS-475HB/5475HB CASE SET	56323	HS-80 & HS-80MG CASE SET	56391	HS-700BB/705MG/715BB CASE SETS
55410	HS-5975/6965/6975/6985HB CASE SET	56366	HS-85BB/HS-85MG CASE SET	56349	HS-725BB CASE SET
55403	HS-311/322/325BB/322HD/325HB CASE SET	56344	HS-75BB/77BB CASE SETS	55413	HS-755/765/785HB CASE SET
55408	HS-5125MG/HS-125MG CASE SET	56328	HS-101 & 101MG CASE SET	55406	HS-5735MG CASE SET (W/O ALUMINUM HEAT SINK)
56354	HS-50 CASE SET	56342	HS-225MG/225BB/5245MG CASE SET	56352	HS-805BB+/HS-815BB CASE SET
55404	HS-50 CASE SET (BLUE)	56401	HS-303 CASE SET	56351	HS-925MG/945MG/5925MG/5945MG CASE SET
55401	HS-55 CASE SET	56339	HS-422/425BB CASE SET	55415	HS-5745MG CASE SET (W/O ALUMINUM HEAT SINK)
55405	HS-55 CASE SET (BLUE)	56347	HS-525/545BB CASE SET	55414	HSC-5996TG/5997/5998 CASE SET
55412	HS-56HB CASE SET	56320	HS-605BB/605MG/615MG CASE SET	55416	HSR-5995TG CASE SET
56313	HS-60 CASE SET	55402	HS-625MG/645MG/5625MG/5645MG CASE SET	55417	HSR-5995TG CASE SET 2
56404	HS-81/81MG CASE SET	55411	HS-635HB/HS-6635HB CASE SET	55419	HS-5955TG CASE SET

SERVO GEAR SET (METAL)

Stock #	Servo	Stock #	Servo	Stock #	Servo
55801	SERVO HORN SCREW FOR HITEC NYLON GEAR SERVOS (10 PCS)	56361	SAIL ARM (1PCS) FOR HS-715BB /HS-765HB	55806	HS-5995TG ROBOT BRACKET SET 01-B
55802	SERVO HORN SCREW FOR HITEC METAL GEAR SERVOS (10 PCS)	56362	SAIL ARM (1PCS) FOR HS-815BB	55807	HS-5995TG ROBOT BRACKET SET 02
56306	VERTICAL MOUNT SET (4PCS) FOR (HS-60/81/85BB)	58473	BIG BALL BEARING ONE PCS (FOR HS-805BB/815BB)	58471	Standard Ball Bearing 1pcs
56307	SERVO WING MOUNT SET (HS-80/81, FP-5143, NES-341, 94501)	58805	HS-5995TG ROBOT BRACKET SET 01-A		



METAL GEAR SET



KARBONITE GEAR SET



SERVO CASE SETS

HITEC SERVO HISTORY

Since Hitec's entry into the Servo manufacturing marketplace in 1983, we are proud to have introduced many significant technological innovations in servo development



Titanium gears

The characteristics of TITANIUM can be summarized in a few words. STRONG, LIGHT WEIGHT, and CORROSION RESISTANT. Used for constructing Spacecraft and Jet aircraft, Hitec has adapted this exotic material for super strength servo gears. The advantage of TITANIUM over standard metal is staggering, providing three times the strength, yet lighter by 30%. The first in the series of Hitec servos to use TITANIUM Gears, HSC-599XTG servos series will take your R/C model car or truck where they have never gone before.

Karbonite gears

As most servo gears wear, they develop lash and slop. Loose gears mean less control of your model. As a Hitec exclusive, KARBONITE gears have eliminated gear lash and slop forever. KARBONITE gears are four times stronger than conventional white resin gears, and they are less likely to strip under the shock and loads that would usually break standard gears. We tested KARBONITE gears with 250,000 cycles under load and they showed no sign of wear. The result, greater reliability and control with Hitec's KARBONITE gear technology.

Metal Plastic gears

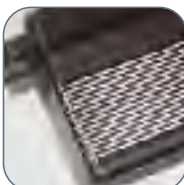
In almost all metal gear servos, one gear is plastic. This is to isolate the RF feedback from all those metal gear teeth from the sensitive servo potentiometer that would otherwise create a "jitter". To solve this issue, Hitec servo engineers created a hybrid Metal / Plastic gear that is super resistant to breakage.

Metal Karbonite gear

Hitec servo engineers added Karbonite to our patented MP or "Metal Plastic" 1st gear found on most Hitec Metal gear servos. Our new "MK" gear is a hybrid Karbonite plastic spur gear with the metal pinion molded directly into it for added strength and reliability. The MK gear also acts as an RF insulator protecting the servo from unwanted RF noise generated by all metal gear servos without at least one plastic gear.



MP(Metal Plastic) Hybrid
1st. Gear



Servo Motor Heat Sink



Durable MK (Metal Karbonite)
1st Gear



Servo Programmer



Twisted Wire Servo Leads

Other Hitec developments

Servo Motor Heat Sinks

All electronic products are degraded by heat. Heat robs power from motors and lowers the efficiency of electronic components. To counter the heat created by today powerful servo motors, Hitec has incorporated heat sinks into the cases of several premium digital servos.

Programmable Digital Servo Technology

Hitec took the lead in providing a main streamed programmable Digital servo amplifier to be used in all our Digital servo product. One immediate benefit was that this enabled customers to "match" the powerful digital servos when more than is used on the control surfaces of Giant Scale aircraft.

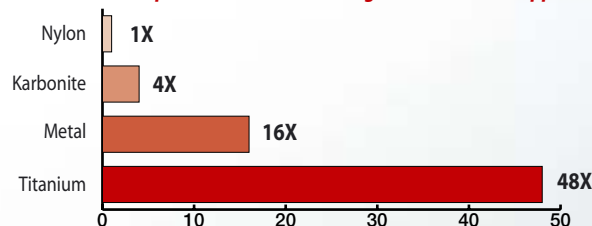
Twisted Wire Servo Leads

Twisted wire leads were added to many of the Hitec servos in 2002 in an effort to prevent RF noise from long servo leads feeding back into the servo causing unnecessary servo "jitter".

Heavy Duty Servo Wire Leads

High power digital and analog servos need plenty of current to deliver massive power. Recognizing this, Hitec increased the size of the wires from 24 to 22 gauge to provide the power these servos need to perform at the highest level.

< Comparison data - The Strength of Hitec Developed Gear Set >



HITEC ROBOT SERVO

If you are looking for the ultimate hobby robotics servo, you found it. Hitec is proud to offer the amazing HRS-5995TG Digital servo created specifically for the hobby robotics market. Offering a staggering 417oz./in. of torque in a standard size servo case, the HSR-5995TG uses a powerful coreless motor and Hitec's latest geartrain technology, Titanium alloy gears.

Designed to be operated on up to 7.4 volts, and featuring an exclusive "pivot" mount, the Hitec HRS-5995TG servo also rotates 180 degrees compared to the traditional 90 degrees most R/C servos travel. To contain all this brute force, our servo engineers incorporated axial brass bearings into the upper for the new hardened steel gear shafts.

HSR-5995TG

Coreless Digital TITANIUM Gear Robot Servo

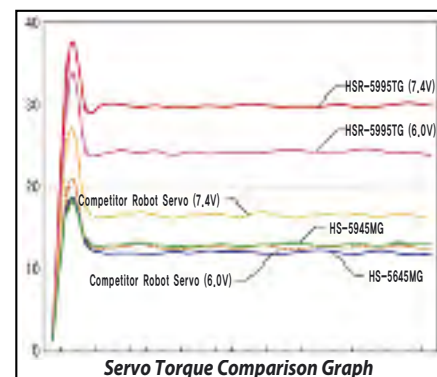
Features

- Durable TITANIUM Gears with Dual Ball Bearing
- Hardened Steel Gear Shafts
- 2 Brass Axial Bushings in the Case Top
- Dual Axial Mount
- Max 180 Degree Operating Travel
- Programmable Digital Amplifier with MOS FET Drive
- Water & Dust Resistant

Specifications

- Operating Speed : 0.15sec/60° at 6.0V/
0.12sec/60° at 7.4V
- Output Torque : 24.0kg.cm (333.29oz.in) at 6.0/
30.0kg.cm (416.61oz.in) at 7.4V
- Weight : 62g (2.18oz)
- Size : 40 X 20 X 37mm
(1.57 X 0.78 X 1.45in)

Stock # 35995



HITEC ROBONOVA-1



Dual Axial Mount



180 Degrees of Travel

TITANIUM MULTIPURPOSE SERVO

If you are looking for Premium Multipurpose Servo, check out the HS-5955TG.

With over 24kg/cm. of torque, the HS-5955TG promises to be the biggest breakthrough in servo technology ever!

HS-5955TG

TITANIUM Gear Coreless Digital Servos

Features

- Programmable Digital Amplifier with MOSFET Drive
- Ultra Hardened Servo Gear Shafts
with 2 Brass Axial Bushings in the Case Top
- Coreless Metal Brush with Heat Sink
- Durable Titanium Alloy Metal Gears with Dual Ball Bearing
- Water & Dust Resistant

Specifications

- Operating Speed : 0.19sec/60° at 6.0V/
0.15sec/60° at 7.4V
- Output Torque : 18.0kg.cm (250oz.in) at 6.0/
24.0kg.cm (333oz.in) at 7.4V
- Weight : 62g (2.18oz)
- Size : 40 X 20 X 37mm (1.57 X 0.78 X 1.45in)

Stock # 35955



TITANIUM CAR SERVOS

Hitec servo engineers have reached a new level of design excellence with the introduction of our line-up of 3 powerful "car only" servos. The HSC-599XTG servos were designed from "scratch" to be the most advanced and reliable servos ever made.

HSC-599XTG Series 3 New Premium Car Servos

TITANIUM Gear Coreless Digital Servos

Features

- Programmable Digital Amplifier with MOSFET Drive
- Long Life Carbon Brush Coreless Motor with Heat Sink
- Durable Titanium Alloy Metal Gears with Dual Ball Bearing
- Ultra Hardened Servo Gear Shafts with 2 Brass Axial Bushings in the Case Top
- Shortened Servo Leads-7 in(180 mm)
- Water & Dust Resistant



HSC-5996TG



HSC-5997TG



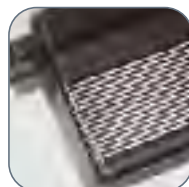
HSC-5998TG

	HSC-5996TG	HSC-5997TG	HSC-5998TG
Type	High Speed	High Torque	Ultra Torque
Output Torque 4.8/6.0v	106/139oz.(7.6/10.0kg)	136/181oz.(9.8/13kg)	200/250oz.(14.4/18kg)
Operating Speed 4.8/6.0v	0.13 / 0.10 second	0.17 / 0.14 second	0.24 / 0.19 second
Wire Length	7 in(180 mm)		
Usage	CAR		
Size	1.57 X 0.78 X 1.45in (40 X 20 X37 mm)		
Weight	2.18 oz.(62g)		
Motor Type	Coreless Carbon Brush		
Bearing Type	Dual Ball Bearing		
Stock #	35996	35997	35998

TITANIUM SERVO TECHNOLOGY



Worlds First TITANIUM Alloy Gears



Upgraded Aluminum Heat Sink (HS-5955TG & HSC-599XTGs)



Heavy Duty Long Horn (HSC-599XTGs)



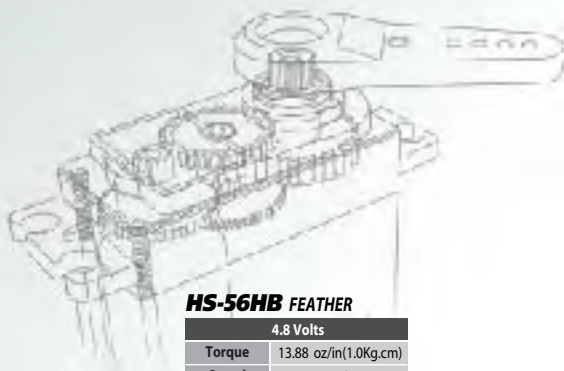
Durable MK (Metal Karbonite) 1st Gear



2 Brass Axial Bushings in the Case Top

ANALOG SERVOS

Hitec leads the way with quality reliable servo product to fit any hobby application. Our full line of 34 analog and 18 digital servos are constructed in our own factories, under the strictest quality control. All this to provide you with the piece of mind in knowing your next "masterpiece of modeling" will perform at the highest level of your expectations. From the very small HS-50 to our powerhouse HS-805BB, we have what you need.



31050

HS-50 FEATHER

4.8 Volts	
Torque	8.33 oz/in(0.6Kg.cm)
Speed	0.09 sec/60°
Dimensions	0.82 x 0.44 x 0.86in
	20.9 x 11.4 x 22mm
Weight	0.22oz
	6.4g



31055

HS-55 FEATHER

4.8 Volts	
Torque	15.27 oz/in(1.1Kg.cm)
Speed	0.17 sec/60°
6.0 Volts	
Torque	18.05 oz/in(1.3Kg.cm)
Speed	0.14 sec/60°
Dimensions	0.89 x 0.45 x 0.94in
	22.8 x 11.6 x 24mm
Weight	0.28oz
	8g



33056

HS-56HB FEATHER

4.8 Volts	
Torque	13.88 oz/in(1.0Kg.cm)
Speed	0.12 sec/60°
6.0 Volts	
Torque	16.66 oz/in(1.2Kg.cm)
Speed	0.10 sec/60°
Dimensions	0.88 x 0.45 x 0.94in
	22.6 x 11.6 x 24mm
Weight	0.37oz
	10.7g



33065

HS-65HB MIGHTY FEATHER

4.8 Volts	
Torque	24.99 oz/in(1.8Kg.cm)
Speed	0.14 sec/60°
6.0 Volts	
Torque	30.55 oz/in(2.2Kg.cm)
Speed	0.11 sec/60°
Dimensions	0.92 x 0.45 x 0.94in
	23.6 x 11.6 x 24mm
Weight	0.39oz
	11.2g



33065

HS-65MG HIGH TORQUE

4.8 Volts	
Torque	24.99 oz/in(1.8Kg.cm)
Speed	0.14 sec/60°
6.0 Volts	
Torque	30.55 oz/in(2.2Kg.cm)
Speed	0.11 sec/60°
Dimensions	0.92 x 0.45 x 0.94in
	23.6 x 11.6 x 24mm
Weight	0.44oz
	12.5g



31075

HS-75BB RETRACT

4.8 Volts	
Torque	91.65 oz/in(6.6Kg.cm)
Speed	0.45 sec/60°
6.0 Volts	
Torque	113.87 oz/in(8.2Kg.cm)
Speed	0.34 sec/60°
Dimensions	1.73 x 0.90 x 0.98in
	44 x 23 x 25mm
Weight	1.23oz
	35g



31077

HS-77BB LOW PROFILE

4.8 Volts	
Torque	61.1 oz/in(4.4Kg.cm)
Speed	0.18 sec/60°
6.0 Volts	
Torque	76.3 oz/in(5.5Kg.cm)
Speed	0.14 sec/60°
Dimensions	1.73 x 0.90 x 0.98in
	44 x 23 x 25mm
Weight	1.23oz
	35g



31081

HS-81 MICRO

4.8 Volts	
Torque	36.10 oz/in(2.6Kg.cm)
Speed	0.11 sec/60°
6.0 Volts	
Torque	41.66 oz/in(3kg.cm)
Speed	0.09 sec/60°
Dimensions	1.17 x 0.47 x 1.16in
	29.8 x 12 x 29.6mm
Weight	0.58oz
	16.6g



32081

HS-81MG MICRO

4.8 Volts	
Torque	36.10oz.in(2.6kg.cm)
Speed	0.11 sec/60°
6.0 Volts	
Torque	41.66oz.in(3kg.cm)
Speed	0.09 sec/60°
Dimensions	1.17 x 0.47 x 1.16in
	29.8 x 12 x 29.6mm
Weight	0.67oz
	19g



31085

HS-85BB MIGHTY MICRO

4.8 Volts	
Torque	41.66 oz.in(3kg.cm)
Speed	0.16 sec/60°
6.0 Volts	
Torque	48.6 oz.in(3.5kg.cm)
Speed	0.14 sec/60°
Dimensions	1.14 x 0.51 x 1.18in
	29 x 13 x 30mm
Weight	0.67oz
	19.2g



32085

HS-85MG MIGHTY MICRO

4.8 Volts	
Torque	41.66 oz.in(3kg.cm)
Speed	0.16 sec/60°
6.0 Volts	
Torque	48.6 oz.in(3.5kg.cm)
Speed	0.14 sec/60°
Dimensions	1.14 x 0.51 x 1.18in
	29 x 13 x 30mm
Weight	0.77oz
	21.9g



32125

HS-125MG Slim Wing

4.8 Volts	
Torque	41.66 oz.in(3kg.cm)
Speed	0.17 sec/60°
6.0 Volts	
Torque	48.6 oz.in(3.5kg.cm)
Speed	0.13 sec/60°
Dimensions	1.18 x 0.39 x 1.33in
	30 x 10 x 34mm
Weight	0.84oz
	24g



31225

HS-225BB MIGHTY MINI

4.8 Volts	
Torque	54.15 oz.in(3.9kg.cm)
Speed	0.14 sec/60°
6.0 Volts	
Torque	66.65 oz.in(4.8kg.cm)
Speed	0.11 sec/60°
Dimensions	1.27 x 0.66 x 1.22in
	32.4 x 16.8 x 31mm
Weight	0.95oz
	27g



32225

HS-225MG MIGHTY MINI

4.8 Volts	
Torque	54.15 oz.in(3.9kg.cm)
Speed	0.14 sec/60°
6.0 Volts	
Torque	66.65 oz.in(4.8kg.cm)
Speed	0.11 sec/60°
Dimensions	1.27 x 0.66 x 1.22in
	32.4 x 16.8 x 31mm
Weight	1.09oz
	31g



HS-311 STANDARD

4.8 Volts	
Torque	42 oz.in(3kg.cm)
Speed	0.19 sec/60°
6.0 Volts	
Torque	48.6 oz.in(3.5kg.cm)
Speed	0.15 sec/60°
Dimensions	1.57 x 0.78 x 1.43in 40 x 20 x 36.5mm
Weight	1.51oz 43g

31311



HS-322HD DELUXE

4.8 Volts	
Torque	41.66 oz.in(3kg.cm)
Speed	0.19 sec/60°
6.0 Volts	
Torque	51.38 oz.in(3.7kg.cm)
Speed	0.15 sec/60°
Dimensions	1.57 x 0.78 x 1.43in 40 x 20 x 36.5mm
Weight	1.51oz 43g

33322



HS-325HB DELUXE

4.8 Volts	
Torque	41.66 oz.in(3kg.cm)
Speed	0.19 sec/60°
6.0 Volts	
Torque	51.38 oz.in(3.7kg.cm)
Speed	0.15 sec/60°
Dimensions	1.57 x 0.78 x 1.43in 40 x 20 x 36.5mm
Weight	1.51oz 43g

33325



HS-422 DELUXE

4.8 Volts	
Torque	45.82 oz.in(3.3kg.cm)
Speed	0.21 sec/60°
6.0 Volts	
Torque	56.93 oz.in(4.1kg.cm)
Speed	0.16 sec/60°
Dimensions	1.59 x 0.77 x 1.44in 40.6 x 19.8 x 36.6mm
Weight	1.6oz 45.5g

31422



HS-425BB DELUXE

4.8 Volts	
Torque	45.82 oz.in(3.3kg.cm)
Speed	0.21 sec/60°
6.0 Volts	
Torque	56.93 oz.in(4.1kg.cm)
Speed	0.16 sec/60°
Dimensions	1.59 x 0.77 x 1.44in 40.6 x 19.8 x 36.6mm
Weight	1.6oz 45.5g

31425



HS-475HB DELUXE

4.8 Volts	
Torque	61.10 oz.in(4.4kg.cm)
Speed	0.23 sec/60°
6.0 Volts	
Torque	76.37 oz.in(5.5kg.cm)
Speed	0.18 sec/60°
Dimensions	1.52 x 0.77 x 1.41in 38.8 x 19.8 x 36mm
Weight	1.41oz 40g

33475



HS-525MG HIGH SPEED

4.8 Volts	
Torque	45.82 oz.in(3.3kg.cm)
Speed	0.17 sec/60°
6.0 Volts	
Torque	56.93 oz.in(4.1kg.cm)
Speed	0.13 sec/60°
Dimensions	1.56 x 0.77 x 1.41in 39.8 x 19.8 x 36mm
Weight	1.78oz 50.6g

32525



HS-545BB HIGH TORQUE

4.8 Volts	
Torque	61.10 oz.in(4.4kg.cm)
Speed	0.22 sec/60°
6.0 Volts	
Torque	76.37 oz.in(5.5kg.cm)
Speed	0.17 sec/60°
Dimensions	1.59 x 0.77 x 1.40in 39.8 x 19.8 x 35.8mm
Weight	1.56oz 44.5g

31545



HS-625MG SUPER TORQUE

4.8 Volts	
Torque	76.37 oz.in(5.5kg.cm)
Speed	0.18 sec/60°
6.0 Volts	
Torque	94.43 oz.in(6.8kg.cm)
Speed	0.15 sec/60°
Dimensions	1.59 x 0.77 x 1.48in 40.6 x 19.8 x 37.8mm
Weight	1.94oz 55.2g

32625



HS-635HB HIGH TORQUE

4.8 Volts	
Torque	69.43 oz.in(5kg.cm)
Speed	0.18 sec/60°
6.0 Volts	
Torque	83.32 oz.in(6kg.cm)
Speed	0.15 sec/60°
Dimensions	1.59 x 0.77 x 1.52in 40.6 x 19.8 x 38.8mm
Weight	1.76oz 50g

33635



HS-645MG ULTRA TORQUE

4.8 Volts	
Torque	106.93 oz.in(7.7kg.cm)
Speed	0.24 sec/60°
6.0 Volts	
Torque	133.31 oz.in(9.6kg.cm)
Speed	0.20 sec/60°
Dimensions	1.59 x 0.77 x 1.48in 40.6 x 19.8 x 37.3mm
Weight	1.94oz 55.2g

32645



HS-925MG ULTRA SPEED

4.8 Volts	
Torque	84.71 oz.in(6.1kg.cm)
Speed	0.11 sec/60°
6.0 Volts	
Torque	106.93 oz.in(7.7kg.cm)
Speed	0.08 sec/60°
Dimensions	1.55 x 0.78 x 1.48in 39.4 x 20 x 37.8mm
Weight	1.97oz 56g

32925



HS-945MG ULTRA TORQUE

4.8 Volts	
Torque	122.2 oz.in(8.8kg.cm)
Speed	0.16 sec/60°
6.0 Volts	
Torque	152.75 oz.in(11kg.cm)
Speed	0.12 sec/60°
Dimensions	1.55 x 0.78 x 1.48in 39.4 x 20 x 37.8mm
Weight	1.97oz 56g

32945



HS-755MG QUARTER SCALE

4.8 Volts	
Torque	166.64 oz.in(12.0kg.cm)
Speed	0.28 sec/60°
6.0 Volts	
Torque	199.97 oz.in(14.4kg.cm)
Speed	0.23 sec/60°
Dimensions	2.33 x 1.14 x 2.05in 59 x 29 x 50mm
Weight	4.12oz 117g

32755



HS-755HB QUARTER SCALE

4.8 Volts	
Torque	152.75 oz.in(11kg.cm)
Speed	0.28 sec/60°
6.0 Volts	
Torque	183.31 oz.in(13.2kg.cm)
Speed	0.23 sec/60°
Dimensions	2.32 x 1.14 x 1.96in 59 x 29 x 50mm
Weight	3.88oz 110g

33755

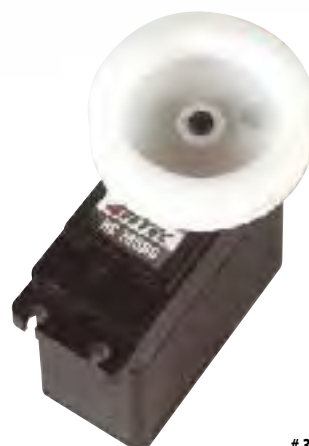
ANALOG SERVOS



HS-765HB
SAIL CONTROL

4.8 Volts	
Torque	152.75 oz.in(11kg.cm)
Speed	0.28 sec/60°
6.0 Volts	
Torque	183.31 oz.in(13.2kg.cm)
Speed	0.23 sec/60°
Dimensions	2.32 x 1.14 x 1.96in 59 x 29 x 50mm
Weight	3.88oz 110g

33765



HS-785HB
WINCH SERVO

4.8 Volts	
Torque	152.75 oz.in(11kg.cm)
Speed	1.68 sec/60°
6.0 Volts	
Torque	183.31 oz.in(13.2kg.cm)
Speed	1.38 sec/60°
Dimensions	2.32 x 1.14 x 1.96in 59 x 29 x 50mm
Weight	3.88oz 110g

33785



HS-815BB
MEGA SAIL

4.8 Volts	
Torque	274.96 oz.in(19.8kg.cm)
Speed	0.19 sec/60°
6.0 Volts	
Torque	343.01 oz.in(24.7kg.cm)
Speed	0.14 sec/60°
Dimensions	2.59 x 1.18 x 2.26in 66 x 30 x 57.6mm
Weight	5.36oz 152g

31815



HS-805BB
MEGA QUARTER SCALE

4.8 Volts	
Torque	274.96 oz.in(19.8kg.cm)
Speed	0.19 sec/60°
6.0 Volts	
Torque	343.01 oz.in(24.7kg.cm)
Speed	0.14 sec/60°
Dimensions	2.59 x 1.18 x 2.26in 66 x 30 x 57.6mm
Weight	5.36oz 152g

31805

DIGITAL SERVO PROGRAMMER

HFP-10 SERVO TESTER/ DIGITAL PROGRAMMER

Offered in a sturdy aluminum case, the programmer will program the Hitec digital servos and test any brand of analog servo.

Programmable functions of the Hitec digital servos are;

Factory Default Reset /
Dead Band Width Adjustment /
Direction of Rotation / Speed of Rotation /
Fail Safe On - Off / End Point / Neutral Point /
Fail Safe Point Preset

The HFP-10 is also an analog servo tester featuring;

Manual and Automatic testing procedures.
Transmitter Pulse width measurement.
Receiver Voltage measurement.

Features

- Internal 4.8V Rechargeable battery
- Low Battery Warning
- LCD Screen
- Easy Operation
- Sturdy Aluminum Case

Stock# 44410



DIGITAL SERVOS

Hitec now offers 18 powerful, programmable digital servos featuring the wide range of our revolutionary servo technology. These servos use our own programmable amplifiers, and a variety of gear train technologies including resin, brass, aluminum, Karbonite and now Titanium alloys. Want to try digitals but you've been waiting for the price to drop? Check out the economic HS-5475HB. Need the smoothest premium servo ever made, use our HS-69X5HB series. Check out our full line of digital servo products and get the advantage of digital technology working for you.



HS-5125MG
DIGITAL WING

4.8 Volts	
Torque	41.66 oz.in(3.0kg.cm)
Speed	0.17 sec/60°
6.0 Volts	
Torque	48.60 oz.in(3.5kg.cm)
Speed	0.13 sec/60°
Dimensions	1.18 x 0.39 x 1.33in 30 x 10 x 34mm
Weight	0.84oz 24g

35125



HS-5245MG
DIGITAL MINI

4.8 Volts	
Torque	61.10 oz.in(4.4kg.cm)
Speed	0.15 sec/60°
6.0 Volts	
Torque	76.37 oz.in(5.5kg.cm)
Speed	0.12 sec/60°
Dimensions	1.27 x 0.66 x 1.21in 32.4 x 16.8 x 30.8mm
Weight	1.12oz 32g

35245



HS-5475HB
DIGITAL STANDARD

4.8 Volts	
Torque	61.10 oz.in(4.4kg.cm)
Speed	0.23 sec/60°
6.0 Volts	
Torque	76.37 oz.in(5.5kg.cm)
Speed	0.18 sec/60°
Dimensions	1.52 x 0.77 x 1.41in 38.8 x 19.8 x 36mm
Weight	1.41oz 40g

35475



HS-5625MG
DIGITAL SUPER SPEED

4.8 Volts	
Torque	109.7 oz.in(7.9kg.cm)
Speed	0.17 sec/60°
6.0 Volts	
Torque	130.53 oz.in(9.4kg.cm)
Speed	0.14 sec/60°
Dimensions	1.59 x 0.77 x 1.48in 40.6 x 19.8 x 37.8mm
Weight	2.11oz 60g

35625



HS-5645MG
DIGITAL SUPER TORQUE

4.8 Volts	
Torque	143.03 oz.in(10.3kg.cm)
Speed	0.23 sec/60°
6.0 Volts	
Torque	168.03 oz.in(12.1kg.cm)
Speed	0.18 sec/60°
Dimensions	1.59 x 0.77 x 1.48in 40.6 x 19.8 x 37.8mm
Weight	2.11oz 60g

35645



HS-5965MG
CORELESS DIGITAL

4.8 Volts	
Torque	119.42 oz.in(8.6kg.cm)
Speed	0.13 sec/60°
6.0 Volts	
Torque	144.42 oz.in(10.4kg.cm)
Speed	0.10sec/60°
Dimensions	1.57 x 0.78 x 1.45in 40 x 20 x 37mm
Weight	2.18oz 62g

35965



HS-5985MG
CORELESS DIGITAL

4.8 Volts	
Torque	144.42 oz.in(10.4kg.cm)
Speed	0.16 sec/60°
6.0 Volts	
Torque	172.20 oz.in(12.4kg.cm)
Speed	0.13sec/60°
Dimensions	1.57 x 0.78 x 1.45in 40 x 20 x 37mm
Weight	2.18oz 62g

35985



HS-6635HB
DIGITAL HIGH TORQUE

4.8 Volts	
Torque	69.43 oz.in(5kg.cm)
Speed	0.18 sec/60°
6.0 Volts	
Torque	83.32 oz.in(6kg.cm)
Speed	0.15sec/60°
Dimensions	1.56 x 0.77 x 1.52in 39.8 x 19.8 x 38.8mm
Weight	1.83oz 52g

36635



HS-6965HB
SPEED DIGITAL

4.8 Volts	
Torque	91.65 oz.in(6.6kg.cm)
Speed	0.10 sec/60°
6.0 Volts	
Torque	111.09 oz.in(8kg.cm)
Speed	0.08sec/60°
Dimensions	1.57 x 0.78 x 1.45in 40 x 20 x 37mm
Weight	1.83oz 52g

36965



HSC-6965HB
SPEED DIGITAL

4.8 Volts	
Torque	91.65 oz.in(6.6kg.cm)
Speed	0.10 sec/60°
6.0 Volts	
Torque	111.09 oz.in(8kg.cm)
Speed	0.08sec/60°
Dimensions	1.57 x 0.78 x 1.45in 40 x 20 x 37mm
Weight	1.83oz 52g
Wire Length	180mm (7in)

36965C



HS-6975HB
CORELESS DIGITAL

4.8 Volts	
Torque	119.42 oz.in(8.6kg.cm)
Speed	0.13 sec/60°
6.0 Volts	
Torque	144.42 oz.in(10.4kg.cm)
Speed	0.10sec/60°
Dimensions	1.57 x 0.78 x 1.45in 40 x 20 x 37mm
Weight	1.83oz 52g

36975



HS-6985HB
CORELESS DIGITAL

4.8 Volts	
Torque	144.42 oz.in(10.4kg.cm)
Speed	0.16 sec/60°
6.0 Volts	
Torque	172.20 oz.in(12.4kg.cm)
Speed	0.13sec/60°
Dimensions	1.57 x 0.78 x 1.45in 40 x 20 x 37mm
Weight	1.83oz 52g

36985

Upgraded
Aluminum
Heat Sink



HS-5745MG
DIGITAL 1/4 SCALE

4.8 Volts	
Torque	208.30 oz.in(15kg.cm)
Speed	0.18 sec/60°
6.0 Volts	
Torque	249.96 oz.in(18kg.cm)
Speed	0.15 sec/60°
Dimensions	2.32 x 1.14 x 2.04in 59 x 29 x 52mm
Weight	5.68oz 161.1g

35745

AIRCRAFT RECEIVERS



Electron 6 FM

Six Channel FM Dual Conversion Receiver

	Standard	Metric
Size LxWxH	1.79x0.88x0.59in	45.5x22.5x15.0mm
Weight	0.60oz	17g
	Compatibility	72MHz
Stock #'s	Hitec/Fut (U-hole)	25272
Stock #'s	JR/KO/Airt-Z (U-hole)	25372

- Narrow Band
- Low Voltage Operation(3.0V)



Mini 6S

Six Channel FM Single Conversion Receiver

	Standard	Metric
Size LxWxH	1.44x1.0x0.7in	36.7x25x18mm
Weight	0.53oz	15g
	72 MHz	
Stock #'s	28872	

- FM Single Conversion
- Narrow Band
- Compact Size



Micro 05S

Five Channel FM Single Conversion Receiver

	Standard	Metric
Size LxWxH	1.27x0.78x0.4in	37x19.3x10mm
Weight	0.3oz	8.6g
	72 MHz	
Stock #'s	25572	

- Ultra Light Weight and Micro Size
- Auto Gain Control (AGC)
- 5 Channel (1~4Ch, 6Ch)
- FM Single Conversion



HAS-03MB

Three Channel AM Single Conversion Receiver

	Standard	Metric
Size LxWxH	1.9x1.2x0.7in	48x30x18mm
Weight	0.81oz	23g
	27MHz	72MHz
Stock #'s	26427	26472

- Narrow Band
- Battery Eliminator Circuit



Neutron 6S

Six Channel FM Dual Conversion IPD Receiver

	Standard	Metric
Size LxWxH	1.8x0.9x0.6in	45.5x23x16mm
Weight	0.67oz	19g
	72 MHz	
Stock #'s	28972	

- In-line Type
- Small Size
- FM Dual Conversion with AGC Function
- Programmable Hold & Fail Safe Mode by IPD Technology
- LED Indicator (Power Indicator) with Low Battery Warning
- Ultra Narrow Band
- Channel output & Crystal type : Horizontal Type



HPD-07RH QPCM

Seven Channel FM Dual Conversion QPCM Receiver

	Standard	Metric
Size LxWxH	2.1x1.4x0.9in	54.4x35x20mm
Weight	1.27oz	36.1g
	72 MHz	
Stock #'s	27372	

- Shock Absorber Technology
- Narrow Band
- Low Voltage Operation (3.0V)
- Dual Battery Slot
- DSC (Direct Servo Control)
- Power Indicator



Supreme Shift Select RCD3800

Seven Channel FM Dual Conversion PPM Receiver

	Standard	Metric
Size LxWxH	2.3"x 1.4"x 0.8"	56.8x35.2x21.5
Weight	1.34oz	38grams
	72 MHz	
Stock #	23872	

- Dual Conversion
- Ultra Narrow Band

Supreme Series

Eight Channel FM Dual Conversion PPM Receiver

	Standard	Metric
Size LxWxH	2.3"x 1.4"x 0.8"	56.8x35.2x21.5
Weight	1.34oz	38grams

Supreme Aircraft Receivers

	Compatibility	72MHz
Stock #'s	Hitec (U-hole)	23572
Stock #'s	JR/KO/Airt-Z (U-hole)	23672
Stock #'s	Fut "J"	23272

Supreme Surface Receiver

	Compatibility	75MHz
Stock #'s	Hitec/Fut (U-hole)	23575



Supreme IIS

Eight Channel FM Dual Conversion Receiver

	Standard	Metric
Size LxWxH	2.0x1.2x0.8in	51x32x20mm
Weight	0.99oz	28g
	72 MHz	
Stock #'s	23972	

- FM Dual Conversion
- Ultra Narrow Band
- Small Size
- Channel output & Crystal type : Vertical Type
- Low Voltage Operation



SURFACE RECEIVERS



HAS-02MB

Two Channel AM Single Conversion Receiver

	Standard	Metric
Size LxWxH	1.9x1.2x0.7in	48x30x18mm
Weight	0.81oz	23g
	75MHz	
Stock #'s	26275	

- Small Size
- Narrow Band
- Battery Eliminator Circuit

HAS-02MC

Two Channel AM Single Conversion Receiver

	Standard	Metric
Size LxWxH	1.9x1.2x0.7in	47.5x30x19mm
Weight	0.67 oz	19g
	Compatibility	27MHz 75MHz
Stock #'s	Universal	26527 26575

- Mini Size
- Narrow Band
- Battery Eliminator Circuit
- AM Single Conversion

DCX

Three Channel FM Dual Conversion Receiver

	Standard	Metric
Size LxWxH	1.6x1.1x0.7in	40x28x18mm
Weight	0.75oz	21g
	Compatibility	27MHz 75MHz
Stock #'s	Hitec/Fut (U-hole)	24227 24275
Stock #'s	JR/KO/Airt-Z (U-hole)	24375

- Narrow Band
- DSC (Direct Servo Control)



HIS-03MK IPD

Three Channel FM Single Conversion Receiver

	Standard	Metric
Size LxWxH	1.5x1.0x0.6in	38.8x26x16mm
Weight	0.6 oz	17g
	Compatibility	27MHz 75MHz
Stock #'s	Universal	24927 24975



- IPD (Intelligent Pulse Decoding) with Hold & Fail Safe
- DSC (Direct Servo Control)
- Narrow Band
- Power LED
- Low Battery Warning



HFS-03MM

Three Channel FM Single Conversion Receiver

	Standard	Metric
Size LxWxH	1.5x1.0x0.6in	37.5x25x16mm
Weight	0.56oz	15.9g
	Compatibility	27MHz 75MHz
Stock #'s	Universal	24627 24675

- Narrow Band
- DSC (Direct Servo Control)
- LED Power Indicator
- Low Voltage Operation (2.3V)

RECEIVER INFORMATION

	AUTO SHIFT	All new Hitec receivers with Auto Shift are available in just one version. and can be used with any brand of modern FM transmitter.
	AUTO GAIN CONTROL	Receivers that feature Auto Gain lock onto the transmitters signal with higher accuracy than ever before and can even discriminate between two transmitters on the same channel!
	INTELLIGENT PULSE DECODING	IPD or "Intelligent Pulse Decoding" is faster than PCM and lets you set a failsafe point for your servos. This receiver based technology enhances the receivers signal decoding ability and allows only valid signals to reach your servos.

FLIGHT PACKS

Need a Flight Pack for Your Latest Project? Hitec Flight Packs are a Fantastic Value and Feature the Latest Receivers Offering Auto Shift and Much More.

Micro Pack

Great for Micro Electric Models



Micro 05S 5channel FM Auto-shift Receiver

Three HS-55 Sub-micro Servos

Stock# 25555

Electric Heli Pack

A Super Deal for Any Micro Electric Heli Project



Micro 05S 5 channel FM Auto-shift Receiver

Four HS-56HB Micro Servos

Stock# 25581

Economy Pack



Mini 6S 6 Channel FM Auto-shift Receiver

Four HS-322HB Standard Deluxe Servo

Rechargeable Receiver Battery and Switch Harness w/charge Plug

Stock# 28832

Mini Pack

Perfect for Park Flyers and Sport Sailplanes



Mini 6S 6 Channel FM Auto-shift Receiver

Three HS-81 Micro Servos

Stock# 28881

Mini Micro Pack

Micro Servos and Mini 6 Receiver Works Well for Smaller Electric Aircraft



Mini 6S 6 Channel FM Auto-shift Receiver

Three HS-55 Sub-micro Servos

Stock# 28855

Universal Pack II



Supreme II S 8 Channel FM Auto-shift Receiver

Four HS-425BB Deluxe Ball Bearing Servos

Rechargeable Receiver Battery and Switch Harness w/charge Plug

Stock# 23942

Neutron Micro Pack

High Performance Package Containing the Dual Conversion, IPD NEUTRON 6S Receiver for Use with Any Modern FM Transmitter.



Neutron 6 Channel FM Dual Conversion IPD Receiver

Three HS-55 Sub-Micro Servos

Stock# 25950

Neutron Mini Pack

Another Package with the NEUTRON 6S Receiver and Three HS-81 Servos Good for Any Park Flyer



Neutron 6 Channel FM Dual Conversion IPD Receiver

Three HS-81 Micro Servos

Stock# 25953

MODULES

SPECTRA for AIR Synthesized RF Module Model # HP-PLL(QPCM/PPM)

Have a Fully Synthesized System When You Use the SPECTRA With the New Fusion 8S, 8 Channel Receiver.

The Spectra is a direct replacement for the standard RF module in Prism, Eclipse 7 and Optic 6 radios and will work on both PPM (FM) mode and the PCM mode

Specification

- Modulation : 2.8KHz + 200Hz
- Current Drain : 150mA
- Frequency Range :
72.010~75.990MHz (U.S.A)

Stock# 24472



SPECTRA for SURFACE Synthesized RF Module Model # HP-PLL(PPM)

Never Use Crystals Again When you Combine the SPECTRA 75 With the New Synthesized SYNTH DX 3 Channel Dual Conversion Super Receiver.

The Spectra Surface is a direct replacement for the standard RF Module in Lynx 3D, Aggressor CRX, SRX Car radios

Specification

- Modulation : 2.8KHz + 200Hz
- Current Drain : 150mA
- Frequency Range :
75.410~75.990MHz (U.S.A)

Stock# 24475



Electronic Speed Controllers

HFX

High Frequency Electronic Speed Control

The high performance HFX Electronic Speed Control offers smooth throttle response under the most demanding applications. Featuring Proportional "forward only" action and TEMPFET thermal shutdown protection. Its easy one touch set-up and economic pricing make the HFX perfect for any high performance R/C car, buggy or truck

Features:

- Power MOSFET's Provide Low Power Loss.
- High Frequency Output (1830Hz) TEMPFET Protection
- Prevents Overheating Damage Adjustable Current Limiting (Traction Control) 20-120 Amps One Push Easy Set-up
- 12 Gauge Silver Wire for Low Power Loss

Applications

Sport To Competition Level, Cars, Boats, Trucks and Buggies



Specifications	Standard	Metric
Size	1.6" x 1.2" x 0.7"	41.6 x 29.6 x 18.5mm
Weight	1.9 oz	53 grams
Input Voltage	4-10 cells	
Current Limiting	20 - 120 A	
B.E.C.	6 Volts / 5 A	
PWM Frequency	1830 Hz	
Forward Current	300 A	
Braking Current	100 A	
Internal Resistance	0.001167 Ω	
Low Operating Voltage	2.7 Volts	
Motor Limit	No lower than 10 turns (recommended)	
Stock #	41810	

HFX-R

High Frequency Electronic Speed Control

The new high performance HFX-R speed control offers proportional forward and reverse. Its smooth linear response, easy one touch set-up and economic pricing make it perfect for any R/C car, buggy or truck.

Features:

- One Push Easy Set-up Power MOSFET's Provide Low Power Loss
- TEMPFET Protection Prevents Overheating Damage
- 12 Gauge Silver Wire for Low Resistance

Applications

Sport Level Cars, Trucks, Buggies and Boats



Specifications	Standard	Metric
Size	1.6" x 1.3" x 1.1"	41 x 34 x 28mm
Weight	2oz	56 grams
Operating Voltage Range	7.2 to 8.4V (6~7CELL)	
PWM Freq	1900Hz	
Forward Current	162A	
Breaking Current	80A	
B.E.C.	5Volts at 1A	
Internal Resistance	0.004 Ω Forward, 0.008 Ω Reverse	
Motor Limit	10 turn Forward, 12 turn Reverse	
Stock #	41820	

EZX-R, EZX-R pro

High Frequency Electronic Speed Control

The EZX-R and EZX-R Pro are great performing and affordable Electronic Speed Controls for your Sport Car, Boat, Buggy or Truck. Both offer the latest high frequency technology using high quality FET's for smooth proportional throttle control and feature easy one push set up

Features:

- Microprocessor Controlled
- Low Resistance
- MOSFET Drive Two Way or One Way
- Built in on/off Switch
- One Push Set-up Thermal Protection

Applications

Sport Level, Cars, Boats, Trucks and Buggies



Specifications	EZX-R Pro	EZX-R
Size	1.58" x 1.34" x 0.63"	1.58" x 1.34" x 0.63"
Weight	2oz	2oz
Input Operating Voltage Range	7.2V~8.4V (6~7CELL)	7.2V~8.4V (6~7CELL)
Forward Peak Current	140A	65A
Forward Continuous Current	96A	46A
Backward Peak Current	70A	32A
Backward Continuous Current	48A	23A
Bec Voltage & Current	5V +/-0.2V 800mA	5V +/-0.2V 800mA
Half Cut Off Temperature	105 C +/-10 C	105 C +/-10°C
Actual resistance	0.012m Ω	0.032m Ω
Drive frequency	1.9KHz	1.9KHz
Motor Limit	17 Turn	23 Turn
Stock #	41840	41830

USB Simulator Interface Cable

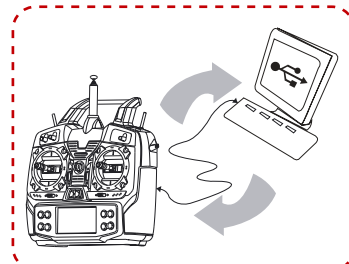
Hitec helps you learn how to fly, or improve your existing flying skills on your PC with our flight simulator interface. Designed to work with the popular and free PC based, FMS flight simulator, this new software interface cable plugs into any Hitec transmitter with a trainer cord plug. Featuring a USB plug for easy installation, it also works with most joystick operated flying simulators.

SPECIFICATION

USB Simulator Interface	For HiTEC transmitters
Hardware Requirements	Transmitter with Trainer socket (for Hitec transmitter DIN trainer plug)
	PC with USB port
Software Requirements	Windows 98, ME, 2000, XP, FMS flight simulator
Total Cable Length	2000 mm (78.74in)

Part	Type	
Stock #'s SIC HU	Hitec adaptor	58317
Stock #'s SIC EU	SIC cable	58315
Stock #'s SIC HE (HU + EU)	Complete SIC package	58318

Visit FMS Website at http://n.ethz.ch/student/mmoeller/fms/index_e.html to Download Simulator Software at Free of Charge! Then, Plug & Play!



CHARGERS

CG-340

4-16 Cell, 50 - 3300mAh NiCd and NiMH Battery Pack Peak Charger

Features

- Peak Charges NiCd and NiMH Batteries
- Input and Output Battery Polarity Protection
- Features the Exclusive Hitec "No False Peaks" Circuitry
- Shuts Down Automatically after 65 Minutes
- Automatic Nicd Trickle Charge
- User Adjustable Charging Rates
- Handy Built-in Wire Holder
- MOS-FET Drive Control with Pulse Charging
- Delta Peak Cutoff



For Charging 4-16 Cell NiCd and NiMH, 50 to 3300mAh Battery Packs

Wide Input Voltage range	9 - 13.9 Volt
Input Battery Minimum Capacity	4A
Charging Amperage	.2 - 1.5 / .2 - 3.5
Charges	4-16 NiCd and NiMH Cells
Stock #	43340

CG-25A

NiCd AC Overnight Charger

- AC Overnight Charger
- Charger for Receiver & Transmitter NiCd Battery
- Charging Capacity : 50mAh

Stock

CG-25A 110V : # 43025



CG-S35

Ni-MH SMPS Overnight Charger

- SMPS (Switching Mode Power Supply) Type
- Charger for Receiver & Transmitter Ni-MH Battery
- Charging Capacity : 130mAh
- 9.6V for Tx and 4.8V for Rx Ni-MH Battery

Stock

CG-S35 110V : # 44350



BATTERIES & ACCESSORIES



Stock # 54119
TX NiMH PACK



Stock # 54120
TX NiMH FLAT TYPE PACK



Stock # 54114
TX NiMH PACK



Stock # 54115
TX NiMH PACK



Stock # 54117
RX NiMH PACK



Stock # 54118
RX NiMH PACK

POWER MATE II

Receiver Battery Checker

For checking the condition of Receiver batteries within the range of 270mAh through 1000mAh

- Dual Voltage Range : 4.8v/6.0v (4-5cell)
- Reading Range : 0-120% (Empty to Full)



Stock # 44110

TX & RX NiMH / NiCd Battery Packs

Stock #	Battery packs
54119	TX NiMH BATTERY PACK 9.6V, 1,300mAh ELCO (CYLINDER TYPE) for Optic6, Eclipse, Laser 4/6, Flash, Neon SS
54120	TX NiMH BATTERY PACK 9.6V, 1,300mAh ELCO (FLAT TYPE) for Aggressor CRX and SRX
54121	RX NiMH BATTERY PACK 4.8V, 1,200mAh S-01(FLAT TYPE)
54123	TX NiMH BATTERY PACK 9.6V, 1300mAh, S-01(FLAT TYPE) for Aggressor CRX, SRX
57404	RX NiCd BATTERY PACK 1000mAh (FLAT TYPE)
57405	RX NiCd BATTERY PACK 270mAh (FLAT TYPE)
54111	RX NiCd BATTERY PACK 600mAh (CYLINDER TYPE)
54112	RX NiCd BATTERY PACK 270mAh (CYLINDER TYPE)

Optional NiMH Battery Packs

54114	TX NiMH BATTERY PACK 9.6V, 1,600mAh ELCO (CYLINDER TYPE) for Optic6, Eclipse, Laser 4/6, Flash, Neon SS
54115	TX NiMH BATTERY PACK 9.6V, 1,600mAh ELCO (FLAT TYPE) for Aggressor CRX and SRX
54116	TX NiMH BATTERY PACK 9.6V, 1,600mAh S-01(FLAT TYPE) for LYNX 3D, FOCUS Series
54117	RX NiMH BATTERY PACK 4.8V, 1600mAh, S-01(FLAT TYPE)
54118	RX NiMH BATTERY PACK 4.8V, 750mAh, S-01(FLAT TYPE)



Stock # 54609S "TWISTED" HEAVY DUTY 6" SERVO EXTENSION

HEAVY DUTY AILERON EXTENSIONS/ HEAVY DUTY MALE & FEMALE SERVO CONNECTORS

Stock #	Extensions/Connectors
54601	Male Servo Connector with Heavy Gauge Wire, Gold Pins
54602	Female Servo Connector with Heavy Gauge Wire, Gold Pins
54603	6" Heavy Gauge Wire Aileron Extension with Gold Pins
54604	12" Heavy Gauge Wire Aileron Extension with Gold Pins
54605	24" Heavy Gauge Wire Aileron Extension with Gold Pins
54606	36" Heavy Gauge Wire Aileron Extension with Gold Pins

AILERON EXTENSIONS

Stock #	Extensions
57344	6" Servo Extension
57345	12" Servo Extension
57346	24" Servo Extension
57347	36" Servo Extension

HEAVY DUTY "Y" EXTENSIONS

Stock #	Heavy Extensions
54701	6" Heavy Duty "Y" Harness with Gold Pins
54702	24" Heavy Duty "Y" Harness with Gold Pins

"Y" EXTENSIONS

Stock #	Extensions
57351	6" "Y" Harness
57350	24" "Y" Harness

HEAVY DUTY "TWISTED" Wiring (Specifically Designed for Digital Servo Applications)

Stock #	Wiring
54607	MALE Servo Connector with Heavy Gauge "TWISTED" Wire, Gold Pins
54608	FEMALE Servo Connector with Heavy Gauge "TWISTED" Wire, Gold Pins
54609	6" Heavy Gauge "TWISTED" Wire Aileron Extension with Gold Pins
54610	12" Heavy Gauge "TWISTED" Wire Aileron Extension with Gold Pins
54611	24" Heavy Gauge "TWISTED" Wire Aileron Extension with Gold Pins
54612	36" Heavy Gauge "TWISTED" Wire Aileron Extension with Gold Pins
54703	6" Heavy Gauge "TWISTED" Wire "Y" Harness with Gold Pins
54704	24" Heavy Gauge "TWISTED" Wire "Y" Harness with Gold Pins

PARTS & ACCESSORIES

CONNECTOR

Stock #	Other MISC
56210	FEMALE RED BEC CONNECTOR
56211	MALE RED BEC CONNECTOR
57444	HITEC "S" HOUSING & PIN ONE SET
54801	HITEC "S" HOUSING & GOLD PIN ONE SET
54801	FUTABA "J" HOUSING & GOLD PIN ONE SET
57417	3 COLOR SERVO WIRE 50ft (15.24m)
54804	3 COLOR HEAVY GAUGE SERVO WIRE 50ft (15.24m)

Stock # 58004



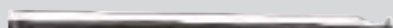
Stock # 58002



Stock # 58001



Stock # 58005



Stock # 58007



Stock # 58006



TX & RX ANTENNA

Stock #	Antenna
58001	ANTENNA FOR RANGER 2N A.M. & F.M. / AGGRESSOR AM
58004	ANTENNA FOR FOCUS / FLASH / NEON SS FM
58005	ANTENNA FOR OPTIC 6 / ECLIPSE / LASER / PRISM
58011	REGULAR RECEIVER ANTENNA FOR AIR USAGE
58006	ANTENNA FOR LYNX 3D
58007	ANTENNA FOR LYNX SPORT / RANGER 2Z
54001	FEATHER RECEIVER GREEN ANTENNA FOR AIR USAGE (WITH BOBBIN)
54002	REGULAR RECEIVER RED ANTENNA FOR SURFACE USAGE



Stock # 57201
LOW CHANNEL
RECEIVER BATTERY BOX

Stock # 54407J
FUTABA "J" HEAVY DUTY
HIGH CHANNEL SWITCH HARNESS

TX & RX BATTERY HOLDER & SWITCH HARNESS

Stock #	Battery Holder & Switch Harness
54409	TX BATTERY HOLDER FOR OPTIC 6 / NEON SS FM
54410	TX BATTERY HOLDER FOR AGGRESSOR SERIES
57201	LOW CHANNEL RECEIVER BATTERY BOX
57204	B.E.C SYSTEM SWITCH
57216	HIGH CHANNEL RECEIVER BATTERY BOX
58101	PRISM/FLASH/LYNX/FOCUS SS TX BATTERY HOLDER
57202S	LOW CHANNEL SWITCH HARNESS
57203	SWITCH HARNESS & BATTERY BOX (7201 + 7202)
57215S	HITEC "S" HIGH CHANNEL SWITCH HARNESS WITH RX CHARGER CORD
57215J	FUTABA "J" HIGH CHANNEL SWITCH HARNESS WITH RX CHARGER CORD
54407S	HITEC "S" HEAVY DUTY HIGH CHANNEL SWITCH HARNESS WITH RX CHARGER
54407J	FUTABA "J" HEAVY DUTY HIGH CHANNEL SWITCH HARNESS WITH RX CHARGER
57217	SWITCH HARNESS & BATTERY BOX (7215 + 7216)
54401	SWITCH HARNESS WITH RX CHARGER CORD (USED WITH DSC CORD)
54402	MINI SIZE (AAA SIZE) RECEIVER BATTERY BOX S-01
54403	MICRO SWITCH HARNESS
54404	MICRO S/W HARNESS & AAA SIZE BATT. BOX (54402+54403)
54405	LYNX 3D TRANSMITTER DRY BATTERY PACK
54406	LYNX 3D TRANSMITTER NICAD BATTERY PACK (W/O NICAD BATTERY)



Stock # 56375

BANANA JACK W/TX CHARGER CORD

Stock # 56376

BANANA JACK W/RX CHARGER CORD

TX & RX CHARGER CORD

Stock #	Cord
56371	TX CHARGER CORD
56375	BANANA JACK W/TX CHARGER CORD
57372	RX CHARGER CORD (500mm)
57376	BANANA JACK W/RX CHARGER CORD
57377	TX & RX CHARGER CORD WITH BANANA JACK (56375 + 57376)
57416	ADAPTOR TO CHARGE 2CH RX NICD
58307	ADAPTOR TO CHARGE OPTIC/ECLIPSE/PRISM/FLASH TX NICD



Stock # 58310 TRAINER CORD

Stock # 54301 DSC CORD

MISCELLANEOUS TRANSMITTER ACCESSORIES

Stock #	Accessory
54306	TUNING COVER FOR AGGRESSOR (PAINTABLE CLEAR, RED, BLUE)
54307	TUNING COVER FOR AGGRESSOR (CAMOUFLAGE)
54308	TUNING COVER FOR AGGRESSOR (SILVER CARBON)
54309	GRIP PAD FOR AGGRESSOR (THIN : RED, BLUE, BLACK)
54310	GRIP PAD FOR AGGRESSOR (THICK : RED, BLUE, BLACK)
54302	CH.1 AND 2 ATV FUNCTION ACCESSORY FOR NEON SS FM
54303	TRAINER PLUG AND SWITCH ACCESSORY FOR NEON SS FM
54304	CH 1 & 2 DUAL RATE SWITCH FOR NEON SS FM (MUST USE #54302 ATV BOARD)
54305	4TH CH THREE POSITION SWITCH ACCESSORY FOR NEON SS FM
56381	CONTROL STICK EXTENSION
58310	ONE WAY TRAINER CORD
58311	NECK STRAP
58314	THROTTLE SPRING DEFEAT WITH SCREW FOR FOCUS 3SS/RANGER 2Z
54301	DSC DIRECT SERVO CONTROL CONNECTOR FOR LYNX 3D



Stock # 57342
"S" SERVO CONNECTOR



Stock # 54601
"S" HEAVY DUTY
SERVO CONNECTOR



Stock # 54607
"S" TWISTED HEAVY DUTY
GOLD PIN SERVO CONNECTOR

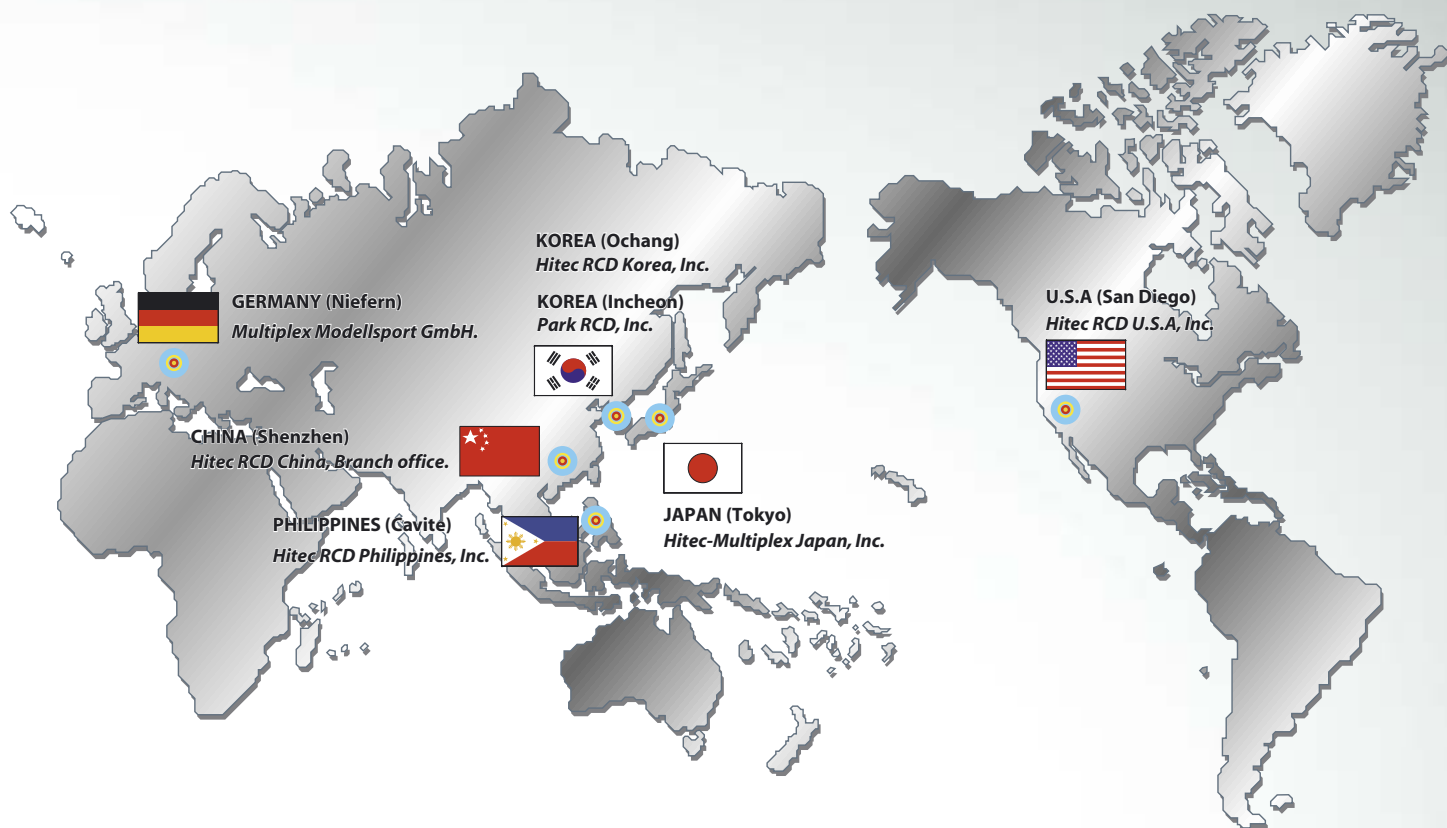
REGULAR SERVO CONNECTOR

Stock #	Connector (HITEC "S", FUTABA "J")
57342S	HITEC "S" SERVO CONNECTOR
57343S	HITEC "S" FEMALE SERVO CONNECTOR

HEAVY DUTY SERVO CONNECTOR

Stock #	Connector (ONLY HITEC "S", FUTABA "J" & NO SANWA)
54601S	HITEC "S" HEAVY DUTY SERVO CONNECTOR
54602S	HITEC "S" HEAVY DUTY FEMALE SERVO CONNECTOR

HITEC WORLDWIDE



Hitec RCD Korea, Inc.
Ochang, Cheongwon-gun,
Chungcheongbuk-do, Korea
Int'l Headquarter, R&D Center



Park RCD
82B/ 5L , 679-4, Gojan-Dong,
Incheon, Korea
Production, R&D Center for Servo



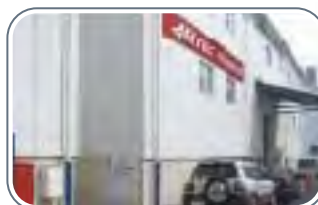
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North & South America



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Sales Headquarter for European market
Production and R&D Center



HITEC RCD Philippines, Inc.
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Sales Office in Japan



**The View of Production Facilities
in the Philippines.**

2006

HITEC PRODUCT LINE



RADIO CONTROL SYSTEMS
RECEIVERS
SERVOS
SPEED CONTROLLERS
CHARGERS
ACCESSORIES

www.hitecrd.com

Hitec RCD Mission Statement

Hitec is dedicated to providing quality, affordable Radio Control hobby products everyone can enjoy. We will serve our customers in the same loving way we serve our families and together we shall create a higher quality of life.

Warranty

HITEC RCD USA, INC. guarantees its products to be free from defects in both materials and workmanship for a period of 2 Years from the date of purchase. If any component part fails to function because of defects in materials or workmanship during this period, Hitec RCD will repair or replace the defective product at no charge to the consumer.

2006 HITEC PRODUCT LINE

www.hitecrd.com

HITEC RCD USA, INC.

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2006 HRU Catalog Version 1

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