

# 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 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.

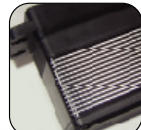
## Other Hitec developments

### 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's powerful servo motors, Hitec has incorporated heat sinks into the cases of several premium digital servos.



Equipped with Patented MP Gear



Servo Motor Heat Sink

### Programmable Digital Servo Technology

Hitec took the lead in providing a mainstream 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 servo when more than is used on the control surfaces of Giant Scale aircraft.



Servo Connectors & Heavy Duty Wire



Servo Programmer

### Connector Choice

In the beginning Servo connector plugs came in many different polarities and connector formats to fit each manufacturer's receivers and alosities. Hitec decided to offer all our servo products in all the popular connector choices. This decision was a key to Hitec's early success.

We soon became known as a "user friendly" option to the other major manufacturers' high priced servos.

### 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".



Twisted Wire Servo Leads

### Heavy Duty Servo Wire Leads

High power digital and analog servos need plenty of current to deliver the massive power they are capable of. 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.

# 49 Different Hitec Servos To Choose from

HITEC MODEL	HITEC PART #	DESCRIPTION	TORQUE 4.8V/6.0V oz.in	SPEED sec/60°at 4.8V/6.0V	BEARING	SIZE LxWxH in	WEIGHT oz.	ACCESSORY PART# G=GEAR C=CASE	
H5-50	31050#	FEATHER	8oz	.09	NONE	0.8"x0.4"x0.9"	0.22	G#56355 / C#55404	• • • • •
H5-55	31055#	FEATHER	15oz/18oz	.17/14	NONE	0.9"x0.5"x0.9"	0.28	G#55001 / C#55405	• • • • •
H5-56HB	33056#	FEATHER	14oz/17oz	.12/10	TOP BB	0.9"x0.5"x0.9"	0.37	G#55007 / C#55412	• • • • •
H5-75SB	31075#	RETRACT	92oz/114oz	.45/34	TOP BB	1.7"x0.9"x1.0"	1.23	G#56343 / C#56344	• • • • •
H5-77BB	31077#	LOW PROFILE	61oz/76oz	.18/14	TOP BB	1.7"x0.9"x1.0"	1.23	G#56370 / C#56344	• • • • •
H5-81	31081#	MICRO	36oz/42oz	.11/09	NONE	1.2"x0.5"x1.2"	0.58	G#56403 / C#56404	• • • • •
H5-81MG	32081#	MICRO	36oz/42oz	.11/09	NONE	1.2"x0.5"x1.2"	0.67	G#56386 / C#56404	• • • • •
H5-85SB	31085#	MIGHTY MICRO	42oz/49oz	.16/14	TOP BB	1.1"x0.5"x1.2"	0.67	G#56365 / C#56366	• • • • •
H5-85MG	32085#	MIGHTY MICRO	42oz/49oz	.16/14	TOP BB	1.1"x0.5"x1.2"	0.77	G#56388 / C#56366	• • • • •
H5-125MG	32125#	Slim Wing	42oz/49oz	.17/13	DUAL BB	1.2"x0.4"x1.3"	0.84	G#55301 / C#55408	• • • • •
H5-225BB	31225#	MIGHTY MINI	54oz/67oz	.14/11	TOP BB	1.3"x0.7"x1.2"	0.95	G#56341 / C#56342	• • • • •
H5-225MG	32225#	MIGHTY MINI	54oz/67oz	.14/11	TOP BB	1.3"x0.7"x1.2"	1.09	G#56396 / C#56342	• • • • •
H5-311	31311#	STANDARD	42oz/49oz	.19/15	NYLON	1.6"x0.8"x1.4"	1.51	G#55002 / C#55403	• • • • •
H5-322HD	33322#	DELUXE	42oz/51oz	.19/15	NYLON	1.6"x0.8"x1.4"	1.51	G#55003 / C#55403	• • • • •
H5-322HB	33325#	DELUXE	42oz/51oz	.19/15	TOP BB	1.6"x0.8"x1.4"	1.51	G#55003 / C#55403	• • • • •
H5-422	31422#	DELUXE	46oz/57oz	.21/16	OLITE	1.6"x0.8"x1.4"	1.60	G#56334 / C#56339	• • • • •
H5-425BB	31425#	DELUXE	46oz/57oz	.21/16	DUAL BB	1.6"x0.8"x1.4"	1.60	G#56334 / C#56339	• • • • •
H5-475HB	33475#	STANDARD DELUXE	61oz/76oz	.23/18	TOP BB	1.5"x0.8"x1.4"	1.41	G#55004 / C#55409	• • • • •
H5-525BB	31525#	HIGH SPEED	46oz/57oz	.17/13	TOP BB	1.6"x0.8"x1.4"	1.56	G#56345 / C#56347	• • • • •
H5-525MG	32525#	HIGH SPEED	46oz/57oz	.17/13	OLITE	1.6"x0.8"x1.4"	1.78	G#56394 / C#56347	• • • • •
H5-545BB	31545#	HIGH TORQUE	61oz/76oz	.22/17	TOP BB	1.6"x0.8"x1.4"	1.56	G#56346 / C#56347	• • • • •
H5-625MG	32625#	SUPER TORQUE	76oz/94oz	.18/15	DUAL BB	1.6"x0.8"x1.5"	1.94	G#55302 / C#55402	• • • • •
H5-635HB	33635#	HIGH TORQUE	69oz/83oz	.18/15	DUAL BB	1.6"x0.8"x1.5"	1.76	G#55006 / C#55411	• • • • •
H5-645MG	32645#	ULTRA TORQUE	107oz/133oz	.24/20	DUAL BB	1.6"x0.8"x1.5"	1.94	G#55303 / C#55402	• • • • •
H5-705MG	32705#	QUARTER SCALE	161oz/201oz	.26/20	TOP BB	2.3"x1.1"x 2.0"	4.72	G#56998 / C#56391	• • • • •
H5-755HB	33755#	QUARTER SCALE	153oz/183oz	.28/23	DUAL BB	2.3"x1.1"x 2.0"	3.88	G#55008 / C#55413	• • • • •
H5-765HB	33765#	SAIL CONTROL	153oz/183oz	.28/23	TOP BB	2.3"x1.1"x 2.0"	3.88	G#55011 / C#55413	• • • • •
H5-785HB	33785#	WINCH SERVO	153oz/183oz	1.68/138	TOP BB	2.3"x1.1"x 2.0"	3.88	G#55012 / C#55413	• • • • •
H5-805BB	31805#	MEGA QUARTER SCALE	275oz/343oz	.19/14	DUAL BB	2.6"x1.2"x2.3"	5.36	G#56350 / C#56352	• • • • •
H5-815BB	31815#	MEGA SAIL	275oz/343oz	.19/14	DUAL BB	2.6"x1.2"x2.3"	5.36	G#56350 / C#56352	• • • • •
H5-925MG	32925#	ULTRA SPEED	85oz/107oz	.11/08	DUAL BB	1.6"x0.8"x1.5"	1.97	G#56382 / C#56351	• • • • •
H5-945MG	32945#	ULTRA TORQUE	122oz/153oz	.16/12	DUAL BB	1.6"x0.8"x1.5"	1.97	G#56383 / C#56351	• • • • •
H5-5125MG	35125#	DIGITAL WING	42oz/49oz	.17/13	DUAL BB	1.2"x0.4"x1.3"	0.84	G#55301 / C#55408	• • • • •
H5-5245MG	35245#	DIGITAL MINI	61oz/76oz	.15/12	TOP BB	1.3"x0.7"x1.2"	1.12	G#56396 / C#56342	• • • • •
H5-5475HB	35475#	DIGITAL STANDARD	61oz/76oz	.23/18	DUAL BB	1.5"x0.8"x1.4"	1.41	G#55004 / C#55409	• • • • •
H5-5625MG	35625#	DIGITAL SUPER SPEED	110oz/131oz	.17/14	DUAL BB	1.6"x0.8"x1.5"	2.11	G#55302 / C#55402	• • • • •
H5-5645MG	35645#	DIGITAL SUPER TORQUE	143oz/168oz	.23/18	DUAL BB	1.6"x0.8"x1.5"	2.11	G#55303 / C#55402	• • • • •
H5-5745MG	35745#	DIGITAL QUARTER SCALE	208oz/250oz	.18/15	THREE BB	2.3"x1.1"x2.0"	5.68	G#55308 / C#55415	• • • • •
H5-5925MG	35925#	DIGITAL ULTRA SPEED	103oz/128oz	.10/08	DUAL BB	1.6"x0.8"x1.5"	1.97	G#56382 / C#56351	• • • • •
H5-5945MG	35945#	DIGITAL ULTRA TORQUE	153oz/181oz	.16/13	DUAL BB	1.6"x0.8"x1.5"	1.97	G#56383 / C#56351	• • • • •
H5-6635HB	36635#	DIGITAL HIGH TORQUE	69oz/83oz	.18/15	DUAL BB	1.6"x0.8"x1.5"	1.83	G#55006 / C#55411	• • • • •
H5-6965HB	36965#	CORELESS DIGITAL	91oz/111oz	.10/08	DUAL BB	1.6"x0.8"x1.5"	1.83	G#55009 / C#55410	• • • • •
H5-6975HB	36975#	CORELESS DIGITAL	119oz/144oz	.13/10	DUAL BB	1.6"x0.8"x1.5"	1.83	G#55005 / C#55410	• • • • •
H5-6985HB	36985#	CORELESS DIGITAL	144oz/172oz	.16/08	DUAL BB	1.6"x0.8"x1.5"	1.83	G#55010 / C#55410	• • • • •
H5-5955TG	35955#	TITANIUM GEAR	250oz/333oz	.19/15	DUAL BB	1.6"x0.8"x1.5"	2.18	G#55311 / C#55419	• • • • •
HSC-5996TG	35996#	TITANIUM GEAR	89oz/111oz	.13/10	DUAL BB	1.6"x0.8"x1.5"	2.18	G#55307 / C#55414	• • • • •
HSC-5997TG	35997#	TITANIUM GEAR	136oz/181oz	.17/14	DUAL BB	1.6"x0.8"x1.5"	2.18	G#55309 / C#55414	• • • • •
HSC-5998TG	35998#	TITANIUM GEAR	200oz/250oz	.23/19	DUAL BB	1.6"x0.8"x1.5"	2.18	G#55310 / C#55414	• • • • •
H5R-5995TG	35995#	TITANIUM GEAR	333oz/417oz	156/0V/ 127/4V	DUAL BB	1.6"x0.8"x1.5"	2.18	G#55308 / C#55416	• • • • •

# = CONNECTOR VERSION - S/Z & J

Red Marked Servos : New for 2005

# HITEC ROBOT SERVO

If you're looking for the ultimate hobby robotics servo, you found it. Hitec is proud to announce 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 HRS-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 75 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.

Perhaps the best feature, our HRS-5995TG servo uses Hitec's programmable servo amplifier. This allows the user to program end and center points, dead band width, speed and other functions with Hitec's HFP-10 Servo Programmer, Stock# 44410.

## HSR-5995TG Coreless Digital TITANIUM Gear Robot Servo

### Features

- Durable TITANIUM Gears with Dual Ball Bearing
- Hardened Steel Gear Shafts
- 2 Axial Brass Case Top Bearings
- Dual Axial Mount
- Max 180 Degree Operating Travel
- Programmable Digital 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 6.0V  
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



180 Degrees of Travel



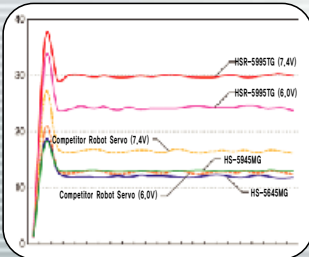
2 Axial Brass Case Top Bearings



Equipped with Patented MP Gear



World's First TITANIUM Alloy Gears



Servo Torque Comparison Graph



Optional Bracket for Robot Servo



Dual Axial Mount

# NEW TITANIUM 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. We didn't just stop there either, check out the HS-5955TG. With over 330oz./in. of torque, the HS-5955TG promises to be the biggest breakthrough in servo technology ever!

## HS-5955TG New Premium Multipurpose Servo



## 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 Axial Brass Case Top Bearings
- Shortened Servo Leads on HSC-599X Series Car Servos
- Water & Dust Resistant

HS-5955TG  
(Multipurpose Servo)



HS-5955TG (Car Servo)

HSC-5996TG (Car Servo)

HSC-5998TG (Car Servo)

	HS-5955TG	HSC-5996TG	HSC-5997TG	HSC-5998TG
Type	Coreless Digital	High Speed	High Torque	Ultra Torque
Output Torque 4.8/6.0v	250/333oz.(18/24kg)	89/111oz.(6.4/8.0kg)	136/181oz.(9.8/13kg)	200/250oz.(14.4/18kg)
Operating Speed 4.8/6.0v	0.19 / 0.15 second	0.13 / 0.10 second	0.17 / 0.14 second	0.23 / 0.19 second
Wire Length	11.8 in(300 mm)	7 in(180 mm)	7 in(180 mm)	7 in(180 mm)
Usage	Multipurpose	Car	Car	Car
Size	1.57 X 0.78 X 1.45in (40 X 20 X 37 mm)			
Weight	2.18 oz.(62g)			
Motor Type	Coreless Carbon Brush			
Bearing Type	Dual Ball Bearing			
Stock #	35955	35996	35997	35998



2 Axial Brass Case Top Bearings



World's First TITANIUM Alloy Gears



Upgraded Aluminum Heat Sink



Heavy Duty Long Horn



Heavy Duty Short Horn





# DIGITAL SERVOS

Hitec now offers 16 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 new HS-69XSHB series. Check out our full line of digital servo products and get the advantage of digital technology working for you.

HS-5125MG DIGITAL WING		
Volts	Torque	Speed
4.8	41.66 oz.in(3.0kg.cm)	0.17 sec/60°
6.0	48.60 oz.in(3.5kg.cm)	0.13 sec/60°
Dimensions		Weight
1.18 x 0.39 x 1.31"		0.84oz
(30 x 10 x 34mm)		(24g)

# 35125

HS-5245MG DIGITAL MINI		
Volts	Torque	Speed
4.8	61.10 oz.in(4.4kg.cm)	0.15 sec/60°
6.0	76.37 oz.in(5.5kg.cm)	0.12 sec/60°
Dimensions		Weight
1.27 x 0.69 x 1.21"		1.26oz
(32.4 x 17.6 x 30.8mm)		(35g)

# 35245

HS-5475HB DIGITAL STANDARD		
Volts	Torque	Speed
4.8	61.10 oz.in(4.4kg.cm)	0.23 sec/60°
6.0	76.37 oz.in(5.5kg.cm)	0.18 sec/60°
Dimensions		Weight
1.52 x 0.77 x 1.41"		1.41oz
(38.6 x 19.8 x 36mm)		(40g)

# 35475

HS-5625MG DIGITAL SUPER SPEED		
Volts	Torque	Speed
4.8	109.7 oz.in(7.9kg.cm)	0.17 sec/60°
6.0	130.53 oz.in(9.4kg.cm)	0.14 sec/60°
Dimensions		Weight
1.59 x 0.77 x 1.48"		2.11oz
(40.6 x 19.8 x 37.8mm)		(60g)

# 35625

HS-5645MG DIGITAL SUPER TORQUE		
Volts	Torque	Speed
4.8	143.03 oz.in(10.3kg.cm)	0.23 sec/60°
6.0	168.03 oz.in(12.1kg.cm)	0.18 sec/60°
Dimensions		Weight
1.59 x 0.77 x 1.48"		2.11oz
(40.6 x 19.8 x 37.8mm)		(60g)

# 35645

HS-5925MG DIGITAL ULTRA SPEED		
Volts	Torque	Speed
4.8	102.76 oz.in(7.4kg.cm)	0.11 sec/60°
6.0	122.75 oz.in(9.2kg.cm)	0.08 sec/60°
Dimensions		Weight
1.55 x 0.78 x 1.48"		1.97oz
(39.4 x 20 x 37.8mm)		(56g)

# 35925

HS-5945MG DIGITAL ULTRA TORQUE		
Volts	Torque	Speed
4.8	152.75 oz.in(11kg.cm)	0.16 sec/60°
6.0	180.53 oz.in(13kg.cm)	0.13 sec/60°
Dimensions		Weight
1.55 x 0.78 x 1.48"		1.97oz
(39.4 x 20 x 37.8mm)		(56g)

# 35945

HS-6635HB DIGITAL HIGH TORQUE		
Volts	Torque	Speed
4.8	69.42 oz.in(5kg.cm)	0.18 sec/60°
6.0	83.32 oz.in(6kg.cm)	0.15 sec/60°
Dimensions		Weight
1.56 x 0.77 x 1.52"		1.83oz
(40 x 20 x 37.8mm)		(52g)

# 36635

HS-6975HB CORELESS DIGITAL		
Volts	Torque	Speed
4.8	119.42 oz.in(8.6kg.cm)	0.13 sec/60°
6.0	144.42 oz.in(10.4kg.cm)	0.10 sec/60°
Dimensions		Weight
1.57 x 0.78 x 1.45"		1.93oz
(40 x 20 x 37mm)		(52g)

# 36975

HS-6985HB CORELESS DIGITAL		
Volts	Torque	Speed
4.8	144.42 oz.in(10.4kg.cm)	0.16 sec/60°
6.0	172.20 oz.in(12.4kg.cm)	0.13 sec/60°
Dimensions		Weight
1.57 x 0.78 x 1.45"		1.93oz
(40 x 20 x 37mm)		(52g)

# 36985

HS-5745MG DIGITAL 1/4 SCALE		
Volts	Torque	Speed
4.8	208.30 oz.in(15kg.cm)	0.18 sec/60°
6.0	249.96 oz.in(18kg.cm)	0.15 sec/60°
Dimensions		Weight
2.32 x 1.14 x 2.04"		3.86oz
(59 x 29 x 52mm)		(161.1g)

# 35745

Upgraded Aluminum Heat Sink

## 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.

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

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

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

### Features

- Internal 4.8V Rechargeable NiCd battery
  - Low Battery Warning
  - LCD Screen
  - Easy Operation
  - Sturdy Aluminum Case
- Stock# 44410



# SERVO ACCESSORIES

## SERVO GEAR SET (RESIN & KARBONITE)

Stock #	Servo
55003	HS-322HD/325HB KARBONITE GEAR SET
55004	HS-475HB/5475HB KARBONITE GEAR SET
55005	HS-5975/6975HB KARBONITE GEAR SET WITH BALL BEARINGS
55009	HS-6965HB KARBONITE GEAR SET WITH BALL BEARINGS
55010	HS-6985HB KARBONITE GEAR SET WITH BALL BEARINGS
55002	HS-311/322/325HB GEAR SET
56055	HS-90 GEAR SET
55001	HS-55 GEAR SET
55007	HS-564B KARBONITE GEAR SET
56312	HS-60 GEAR SET
56403	HS-81 GEAR SET
56324	HS-80/HS-101 GEAR SET
56365	HS-808B - GEAR SET
56343	HS-758B GEAR SET
56370	HS-778B GEAR SET
56341	HS-2058B/2258B GEAR SET
56325	HS-300/HS-300BB/HS-303 GEAR SET
56334	HS-422/HS-425 GEAR SET
56345	HS-5288B GEAR SET
56346	HS-5458B GEAR SET
56319	HS-6058B GEAR SET
55006	HS-635HB/HS-6635HB KARBONITE METAL SET
56390	HS-7008B GEAR SET
56360	HS-7158B GEAR SET
56348	HS-7258B GEAR SET
55008	HS-755HB KARBONITE GEAR SET
55011	HS-765HB KARBONITE GEAR SET
55012	HS-785HB KARBONITE GEAR SET
56350	HS-8058B/HS-8158B GEAR SET

## SERVO GEAR SET (METAL)

Stock #	Servo
55301	HS-5125MG/HS-125MG GEAR SET
56386	HS-81MG METAL GEAR SET (ALL METAL)
56392	HS-80/80MG/HS-101/101MG METAL GEAR SET
56398	HS-85MG - METAL GEAR SET
56394	HS-928MG METAL GEAR SET
56396	HS-205/225MG/5245MG METAL GEAR SET
56397	HS-605MG METAL GEAR SET
56399	HS-615MG METAL GEAR SET
55302	HS-625MG/5625MG METAL GEAR SET (IMP FIRST GEAR)
55303	HS-645MG/5645MG METAL GEAR SET (IMP FIRST GEAR)
55304	HS-5735MG METAL GEAR SET (IMP FIRST GEAR)
55308	HS-5745MG METAL GEAR SET (IMP FIRST GEAR)
56398	HS-705MG METAL GEAR SET
56382	HS-925MG/5925MG METAL GEAR (IMP first gear)
56383	HS-945MG/5945MG METAL GEAR (IMP first gear)
55307	HSC-5996TG TITANIUM GEAR SET
55308	HSC-5995TG TITANIUM GEAR SET
55309	HSC-5997TG TITANIUM GEAR SET
55310	HSC-5998TG TITANIUM GEAR SET
55311	HS-5995TG TITANIUM GEAR SET



## OTHER SERVO ACCESSORIES

Stock #	Servo
55801	SERVO HORN SCREW FOR HITEC NYLON GEAR SERVOS (10 PCS)
55802	SERVO HORN SCREW FOR HITEC METAL GEAR SERVOS (10 PCS)
56306	VERTICAL MOUNT SET (4PCS) FOR (HS-60/81/858B)
56307	SERVO WING MOUNT SET (HS-80/81, FP-5143, NES-341, 94501)
56361	SAIL ARM (1PCS) FOR HS-7158B /HS-765HB
56362	SAIL ARM (1PCS) FOR HS-8158B
58473	BIG BALL BEARING ONE PCS (FOR HS-8058B/8158B)
58805	HS-5995TG Robot Bracket Set 01-A
58806	HS-5995TG Robot Bracket Set 01-B
55807	HS-5995TG Robot Bracket Set 02

## SERVO HORN & HARDWARE SET

Stock #	Servo/horn & Hardware
55709	HEAVY DUTY LARGE & REGULAR HORN SET
55710	HEAVY DUTY REGULAR HORN SET
55706	HS-125MG/5125MG HORN SET (Available for HS-125MG/5125MG only)
55707	HS-5125MG/HS-5245MG HALF METAL HORN
55708	HS-50/55 HORN SET
55701	STANDARD HALF METAL HORN
55702	HS-5735MG/HS-5745MG METAL HORN
56315	REGULAR SERVO HORN SET (HS-77225/300/303/422/525/545/605/625/645)
56316	GIANT HORN SETS (HS-700/705)
56326	MICRO HORN SET (HS-60/81/85)
56327	MICRO HORN & HARD WARE SET (HS-60/81/85)
56402	SUPER STAR HORN SET (2PCS)
56318	MICRO HORN & HARDWARE SET (HS-8058B-H)
56336	REGULAR SERVO HARD WARE (HS-225/300/303/422/525/545/605/625/645)
56340	GIANT HS-7008B/705MG/7158B SERVO HARD WARE
56314	WINCH HS-7258B GEAR DRUM & HARD WARE
56317	REGULAR SERVO HORN & HARDWARE (HS-225/300/303/422/525/545/605/625/645)
56308	HS-303 HORN & HARDWARE SET
58472	WHITE BUSHINGS
58450	SERVO GREASE
59401	KIMBRO SERVO SAVER



## SERVO CASE SET

Stock #	Servo
55409	HS-475HB/5475HB CASE SET
55410	HS-5975/6975/HS-765HB CASE SET
55408	HS-111/225/258B/325HB/5475HB CASE SET
55408	HS-5125MG/HS-125MG CASE SET
56354	HS-50 CASE SET
55404	HS-50 CASE SET (BLUE)
55401	HS-55 CASE SET
55405	HS-55 CASE SET (BLUE)
55412	HS-58HB CASE SET
56313	HS-60 CASE SET
56404	HS-81/81MG CASE SET
56323	HS-80 & HS-80MG CASE SET
56366	HS-858B/HS-85MG CASE SET
56344	HS-758B/778B CASE SETS
56328	HS-101 & 101MG CASE SET
56342	HS-125MG/2258B/5245MG CASE SET
56401	HS-303 CASE SET
56339	HS-422/4258B CASE SET
56347	HS-525/5488B CASE SET
56320	HS-6058B/605MG/615MG CASE SET
55402	HS-625MG/645MG/5625MG/5945MG CASE SET
55411	HS-635HB/HS-6635HB CASE SET
56391	HS-7008B/705MG/7158B CASE SETS
56349	HS-7258B CASE SET
55413	HS-755760/785HB CASE SET
55406	HS-5735MG CASE SET (W/O ALUMINUM HEAT SINK)
56352	HS-8058B/HS-8158B CASE SET
56351	HS-925MG/945MG/5925MG/5945MG CASE SET
55415	HS-9745MG CASE SET (W/O ALUMINUM HEAT SINK)
55414	HS-5995TG/5997/5998 CASE SET
55416	HSR-5995TG CASE SET
55417	HSR-5995TG CASE SET 2
55419	HS-5995TG Case Set





# RECEIVERS

## Aircraft Receivers



**Electron 6 FM**  
Six Channel FM Dual Conversion Receiver

	Standard	Metric
Size LxWxH	1.8" x 0.9" x 0.6"	45.5x22.5x15.0mm
Weight	0.64oz	18grams
Compatibility 72MHz		
Stock #'s	Hitec/Fut (U-hole)	25272
Stock #'s	JR/KO/Airt-Z (U-hole)	25372



**HFS-05MG**  
Five Channel FM Single Conversion Receiver

	Standard	Metric
Size LxWxH	1.5" x 1.0" x 0.6"	38.8x26x16.5mm
Weight	0.67oz	19grams
Compatibility 72MHz		
Stock #'s	Hitec/Fut (U-hole)	25472
Stock #'s	JR/KO/Airt-Z (U-hole)	25672



**HFS-04MG**  
Four Channel FM Single Conversion Receiver

	Standard	Metric
Size LxWxH	1.5" x 1.0" x 0.6"	37.5x25x16mm
Weight	0.65oz	18.50grams
Compatibility 72MHz		
Stock #'s	Hitec/Fut (U-hole)	24772
Stock #'s	JR/KO/Airt-Z (U-hole)	24872



**HFS-05MS**  
Five Channel FM Single Conversion Receiver

	Standard	Metric
Size LxWxH	1.2" x 0.78" x 0.4"	32.3x19x10mm
Weight	0.31oz	9grams
Stock # 255XX (XX=frequency)		



**Feather**  
Four Channel FM Single Conversion Receiver

	Standard	Metric
Size LxWxH	1.5" x 0.8" x 0.4"	33x20x10mm
Weight	0.25oz	7.3grams
Compatibility 72MHz		
Stock #'s	Hitec/Fut (U-hole)	20372
Stock #'s	JR/KO/Airt-Z (U-hole)	20372



**Supreme Super Slim**  
Eight Channel FM Dual Conversion Receiver

	Standard	Metric
Size LxWxH	2.3" x 1.4" x 0.7"	49x28x17mm
Weight	0.81oz	23grams
Compatibility 72MHz		
Stock #'s	Hitec (U-hole)	29572
Stock #'s	JR/KO/Airt-Z (U-hole)	29672
Stock #'s	Fut "J"	29272



**Micro 555**  
Five Channel FM Dual Conversion Receiver

	Standard	Metric
Size LxWxH	1.6" x 1.1" x 0.7"	40x28x18mm
Weight	0.75oz w/ cables (5oz w/o)	21grams
Compatibility 72MHz		
Stock #'s	Hitec (U-hole)	26572
Stock #'s	JR/KO/Airt-Z (U-hole)	28272
Stock #'s	Fut "J"	28272



**HAS-03MB**  
Three Channel AM Single Conversion Receiver

	Standard	Metric
Size LxWxH	1.9" x 1.2" x 0.7"	48x30x18mm
Weight	0.81oz	23grams
Compatibility 27MHz 75MHz		
Stock #'s	Hitec/Fut (U-hole)	26472



**HPD-07RH OPCM**  
Seven Channel FM Dual Conversion OPCM Receiver

	Standard	Metric
Size LxWxH	2.1" x 1.4" x 0.9"	54.6x35x20
Weight	1.27oz	36.1grams
Compatibility 72 MHz		
Stock #'s		23372



**Supreme Shift Select RCD3800**  
Seven Channel FM Dual Conversion PPM Receiver

	Standard	Metric
Size LxWxH	2.3" x 1.4" x 0.9"	58.9x35x23.5
Weight	1.34oz	38grams
Compatibility 72 MHz		
Stock #		23872

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

## Surface Receivers



**HAS-02MB**  
Two Channel AM Single Conversion Receiver

	Standard	Metric
Size LxWxH	1.9" x 1.2" x 0.7"	48 x 30 x 18mm
Weight	0.81 oz	23 grams
Compatibility 75MHz		
Stock #'s		26375



**HFS-03MM**  
Three Channel FM Single Conversion Receiver

	Standard	Metric
Size LxWxH	1.5" x 1.0" x 0.6"	37.5x25x16mm
Weight	0.56 oz	15.87 grams
Compatibility 27MHz 75MHz		
Stock #'s	Universal	24627 24675



**DCX**  
Three Channel FM Single Conversion Receiver

	Standard	Metric
Size LxWxH	1.6" x 1.1" x 0.7"	40x28x18mm
Weight	0.75oz	21grams
Compatibility 27MHz 75MHz		
Stock #'s	Hitec/Fut (U-hole)	24227 24275
Stock #'s	JR/KO/Airt-Z (U-hole)	24375



**HP-2RNB**  
Two Channel AM Single Conversion Receiver

	Standard	Metric
Size LxWxH	1.9" x 1.2" x 0.7"	53x31x19mm
Weight	1.0oz	28grams
Compatibility 27MHz 75MHz		
Stock #'s	Universal	26327 26375



**HIS-03MK IPD**  
Three Channel FM Single Conversion Receiver

	Standard	Metric
Size LxWxH	1.5" x 1.0" x 0.6"	38.8x26x16.5mm
Weight	0.6 oz	17 grams
Compatibility 27MHz 75MHz		
Stock #'s	Universal	24927 24975

# FLIGHT PACKS

## FEATHER FLIGHT PACKS



Feather 4 channel FM receiver  
Two HS-55 sub-micro servos  
Micro switch harness  
**Negative Shift Version #20370**  
For use with Hitec and Fut. transmitters  
**Positive Shift Version #20370**  
For use with JR and Airt transmitters

## ELECTRON 6 FM FLIGHT PACKS



Electron 6 channel FM receiver  
Three HS-55 sub-micro servos  
Micro switch harness  
**Negative Shift Version #25270**  
For use with Hitec and Fut. transmitters  
**Positive Shift Version #25370**  
For use with JR and Airt transmitters

## 04MG FLIGHT PACKS



HFS-04MG 4 channel FM receiver  
Three HS-55 sub-micro servos  
Micro switch harness  
**Negative Shift Version #24770**  
For use with Hitec and Fut. transmitters  
**Positive Shift Version #24870**  
For use with JR and Airt transmitters

## MICRO PACKS



Micro 555 five channel FM receiver  
Three HS-81 Micro servos  
270mAh receiver battery pack  
Deluxe Switch harness w/charge jack

**Negative Shift Version #28570**  
For use with Hitec and Fut. transmitters  
**Positive Shift Version #28670**  
For use with JR and Airt transmitters

## UNIVERSAL PACK



Shift Select RCD 3800 seven channel FM receiver  
Four HS-4258B deluxe ball bearing servos  
600mAh receiver battery pack  
Deluxe Switch harness w/charge jack

**Version #23870**  
For use with all FM transmitters

## ELECTRIC AIRPLANE PACKS (X-08 PACKS)



HFS-04MG 4 channel FM receiver  
Two HS-55 sub-micro servos  
X-08 Multiplex Speed Control

**Negative Shift Version #26770**  
For use with Hitec and Fut. transmitters  
**Positive Shift Version #26870**  
For use with JR and Airt transmitters

## ELECTRIC AIRPLANE PACKS (X-16 PACKS)



Electron 6 channel FM receiver  
Two HS-55 sub-micro servos  
X-16 Multiplex Speed Control

**Negative Shift Version #27770**  
For use with Hitec and Fut. transmitters  
**Positive Shift Version #27870**  
For use with JR and Airt transmitters

# USB Simulator Interface Cable

Hitec helps you learn how to fly, or improve your existing flying skills on your PC with our new 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)
Case L x W x H	34 x 23 x 11 mm (1.33 X 0.9 X 0.43in)



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