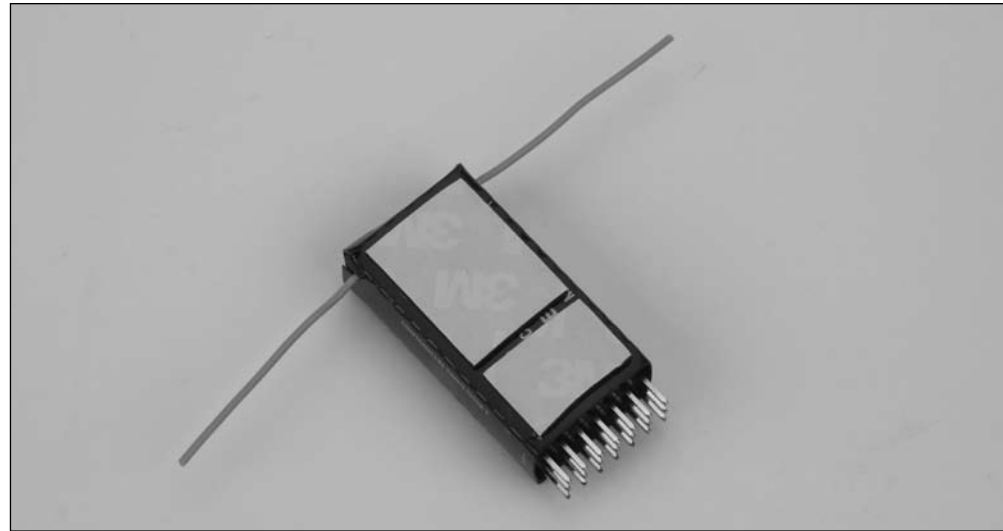


Receiver Connection and Installation

A 6-channel or greater micro receiver is required. We strongly recommend the use of a DSM (Digital Spectrum Modulation) equipped receiver (like the Spektrum AR6100) and transmitter on 2.4GHz (like the Spektrum DX6i or DX7) for the ultimate in glitch-free performance. However, if you will be using a 72MHz radio system, we recommend the use of a PCM receiver.

The following steps outline connection and installation of the receiver:

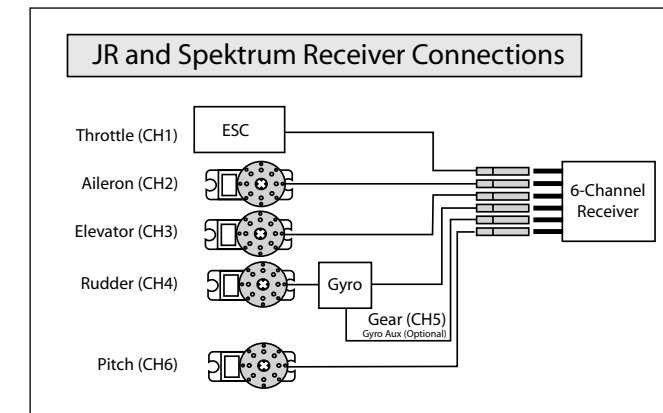
- Apply one or two sections of the included two-sided tape on your chosen receiver. Be sure to leave the paper backing that remains on the other side of the tape in place until after completing the next step.



- Locate the wire leads/connectors located near the front of the main frame. While it is possible to connect these leads/connectors to the receiver after it's been installed, it is easier to connect them to the receiver before installing it on the helicopter. Please see the following lists and illustrations, while also referring to the manual for your transmitter, for proper connections:

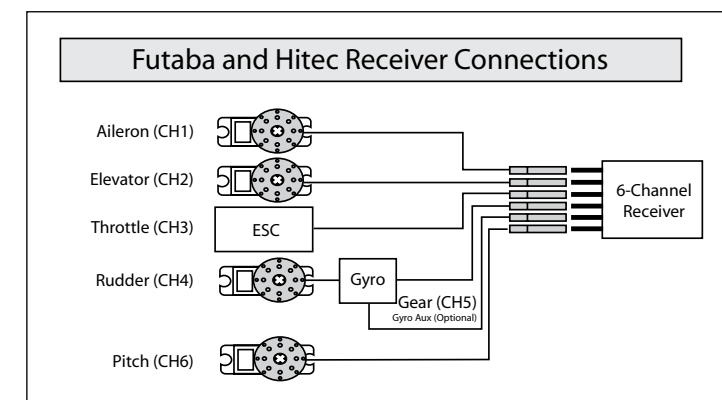
For JR and Spektrum Transmitters/Receivers

Channel 1 (THRO)	2-in-1 Control Unit 'THRO' (Throttle) lead
Channel 2 (AILE)	Right mounted swashplate control 'aileron' servo lead
Channel 3 (ELEV)	Front-mounted swashplate control 'elevator' servo lead
Channel 4 (RUDD)	Gyro 'rudder' lead
Channel 5 (GEAR)	Gyro 'auxiliary' lead (the single yellow wire lead)
Channel 6 (AUX1)	Left mounted swashplate control 'pitch' servo lead

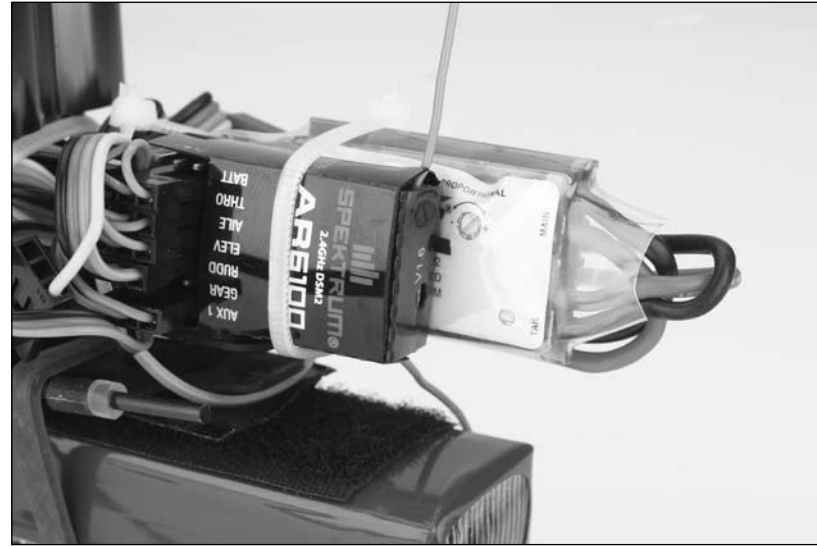


For Futaba and Hitec Transmitters/Receivers

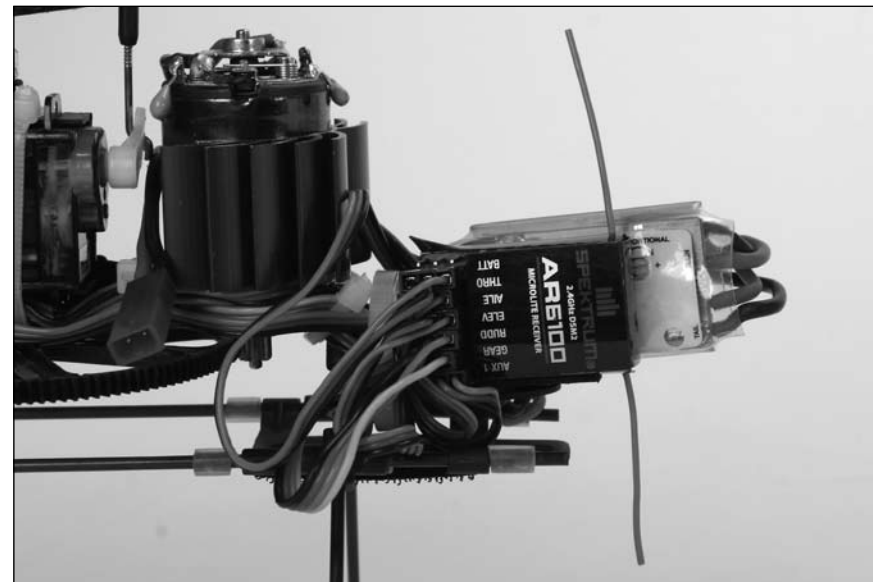
Channel 1 (AILE)	Right mounted swashplate control 'aileron' servo lead
Channel 2 (ELEV)	Forward-mounted swashplate control 'elevator' servo lead
Channel 3 (THRO)	2-in-1 Control Unit 'THRO' (Throttle) lead
Channel 4 (RUDD)	Gyro 'rudder' lead
Channel 5 (GEAR)	Gyro 'auxiliary' lead (the single yellow wire lead)
Channel 6 (AUX1)	Left mounted swashplate control 'pitch' servo lead



- After connecting the wire leads to the receiver, remove the remaining paper backing from the two-sided tape on the receiver. Then, carefully straighten the antenna(s) and place the receiver onto the front tray. Fasten the receiver in place on the front tray and use one of the included zip/cable ties for added security. However, be sure not to tighten the zip/cable tie too much as it could damage the case of the receiver.



- Once the receiver is mounted securely, route the antenna(s) per the instructions included with the receiver. In the case of the Spektrum AR6100 receiver, be sure that both antennas extend outward (to the top and bottom of the helicopter) as much as possible for the best overall performance. Be sure to check the position and orientation of both antennas before each flying session, especially if the helicopter was taken out of a box or carrying case.



If using a 72MHz receiver, you can route the antenna around the landing gear and be certain to secure any excess length of the antenna to prevent it from coming into contact with any moving parts on the helicopter.

Transmitter Setup

A 6-channel or greater transmitter with helicopter and 120-degree CCPM programming is required. We recommend the use of a DSM equipped 2.4GHz transmitter such as the Spektrum DX6i or DX7.

The following initial settings are suggested for the recommended transmitters, however, these settings will also be similar for other brands/models of transmitters. All settings/values other than those shown should remain the same as a new default helicopter model in your transmitter's programming. Also, some settings such as dual rates, exponential, gyro sensitivity/gain and others may need to be adjusted depending on personal preference, flying style and/or flight performance of your actual model.

Spektrum DX6i

In the "Adjust" list (ADJUST LIST):

Dual Rate and Exponential (D/R&EXPO)

AILE	0	100%	15%
ELEV	0	100%	15%
RUDD	0	100%	15%
AILE	1	70%	10%
ELEV	1	70%	10%
RUDD	1	80%	10%

NOTE: These values serve only as starting points. It may be necessary to decrease or increase the values per your preference.

Travel Adjustment (TRAVEL ADJ)

Transmitter Default

Gyro Sensitivity (GYRO)

100%

NOTE: These values serve only as starting points. It may be necessary to decrease or increase the values in order to achieve the proper gain setting value.

Throttle Curves (THRO CUR)

NOTE: The factory recommended normal mode throttle curve has been optimized for the power/torque band of the High-Power 370 and recommended brushless motor power system.

	POS L	POS 2	POS 3	POS 4	POS H
NORMAL	0.0%	45.0%	60.0%	75.0%	100.0%
STUNT	100.0%	100.0%	100.0%	100.0%	100.0%
HOLD					- 0.0%

Pitch Curves (PITC CUR)

	POS L	POS 2	POS 3	POS 4	POS H
NORMAL	42.0%	46.0%	50.0%	75.0%	100.0%
STUNT	0.0%	25.0%	50.0%	75.0%	100.0%
HOLD	42.0%	46.0%	50.0%	75.0%	100.0%

Swashplate Mixing (SWASH MIX)

AILE +100%
ELEV -100%
PITC +35%

In the "Setup" list (SETUP LIST):

Servo Reversing (REVERSE)

ELEV – R
AILE – R
RUDD – R

Swashplate Type (SWASH TYPE)

CCPM 120*

Timer (TIMER)

DOWN TIMER – 04:30

Spektrum DX7

In the "System Mode":

Input Selection (INPUT SELECT)

GEAR = GYRO

Swashplate Type (SWASH TYPE)

3 SERVOS 120*

In the "Function Mode":

Dual Rate and Exponential (D/R & EXP)

AILE	0	100%	15%
ELEV	0	100%	15%
RUDD	0	100%	15%

AILE	1	70%	10%
ELEV	1	70%	10%
RUDD	1	80%	10%

NOTE: These values serve only as starting points. It may be necessary to decrease or increase the values per your preference.

Servo Reversing (REVERSING SW)

ELEV – R
AILE – R
RUDD – R

Travel Adjustment (TRAVEL ADJUST)

Transmitter Default

Swashplate Mixing (SWASH MIX)

AILE +100%
ELEV -100%
PITC +35%

Throttle Hold (THRO HOLD)

ACT HOLD Pos.
HOLD SW 0.0%

Throttle Curves (THRO CURVE)

NOTE: The factory recommended normal mode throttle curve has been optimized for the power/torque band of the High-Power 370 and recommended brushless motor power system.

	POS L	POS 1	POS 2	POS 3	POS H
NORMAL	0.0%	45.0%	60.0%	75.0%	100.0%
STUNT 1	100.0%	75.0%	50.0%	75.0%	100.0%
STUNT 2	100.0%	100.0%	100.0%	100.0%	100.0%
HOLD					- 0.0%

Pitch Curves (PITCH CURVE)

	POS L	POS 1	POS 2	POS 3	POS H
NORMAL	42.0%	46.0%	50.0%	75.0%	100.0%
STUNT 1	0.0%	25.0%	50.0%	75.0%	100.0%
STUNT 2	0.0%	25.0%	50.0%	75.0%	100.0%
HOLD	42.0%	46.0%	50.0%	75.0%	100.0%

Gyro Sensitivity (GYRO SENS)

AUTO

RATE:

0: 100%
1: 100%

NOTE: These values serve only as starting points. It may be necessary to decrease or increase the values in order to achieve the proper gain setting value.

Timer (TIMER)

DOWN-T

4:30

After programming your chosen transmitter with the suggested initial settings, install the flight battery and test the controls as outlined in the following sections in order to be sure that the settings are correct for proper control and performance.