Note: You must load the firmware that includes the Auto Recovery feature to your TG-Multi to be able to use the feature.

Auto Recovery Setup

Visit www.curtisyoungblood.com for firmware updates

Note: Be sure to place the throttle hold switch on your transmitter in the ON position before initializing the TG-Multi. Leave the throttle hold switch in the ON position while setting up your auto recovery function. If throttle hold is not in the ON position there is a chance that the TG-Multi will go into safe mode from the movement. In this condition the lights will not match the described setup, and the setup will be incorrect. If LED's 3 and 4 come ON solid or flashing this is what has happened. You will need to start over with the setup.

If LED's 3 and 4 come ON solid or flashing during setup your unit has gone into safe mode. You will need to start over with the setup.

After the unit has initialized, to access auto recovery press and hold the "P" button until the status LED and LED number 1 begin flashing.

Release the "P" button.

Press the "P" button two times. Auto recovery is the third setting in the menu.

The status LED should be fast flashing fast green.

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Auto Recovery Setup

The first item is to select the switch that will activate auto recovery on your transmitter. Flip the switch you would like to use for auto recovery. If the switch you have selected is active, one of the numbered LED’s will come on indicating you have selected a switch. If you wish to change the switch you have chosen you can do so by simply toggling a different switch. The numbered LED should change, indicating the switch change. If no LED’s come on when you toggle a switch, that switch is not set to be active in your transmitter. You will need to activate the desired switch, or assign an open channel to the switch you wish to use.

If the switch you have selected is active, one of the numbered LED’s will come ON indicating you have selected a switch.

If you wish to change the switch you have chosen you can do so by simply toggling a different switch.

The numbered LED should change, indicating the switch change. If no LED’s come ON when you toggle a switch, that switch is not set to be active in your transmitter. You will need to activate the desired switch, or assign an open channel to the switch you wish to use.
Auto Recovery Setup

After you have selected a switch to activate auto recovery toggle the rudder stick on your transmitter to check the functioning of the switch you have selected.

LED number 1 will begin flashing indicating you are now ready to check the auto recovery switch functions.

Flash

Flash

Place the switch you have chosen in the position you would like to turn auto recovery ON while in flight.

LED number 4 should come on solid green with the switch in the ON position.

Solid

Place the switch you have chosen in the position you would like to turn auto recovery OFF while in flight.

LED number 2 should come on solid green with the switch in the OFF position.

Solid
If LED number 2 and 4 do not come on in the desired sequence reverse the channel in your transmitter that controls the switch you are using to activate auto recovery.

If no LED’s come on when you toggle the switch you have chosen to activate auto recovery you will need to increase the travel for the channel that controls the switch to its maximum setting.

If you are unsure which channel controls the switch you have chosen to activate auto recovery you can view the monitor function in your transmitter. Toggling the switch will show which channel is being altered.
Auto Recovery Setup

Place the model on a flat level surface

Find a square object like a book or a box to line the front boom of the model up with

Flat Surface

Square Object

Model Front

Line the front boom of the model with the square object as shown. You will need to return to this square location after every calibration step.
Press the "P" button to enter into the calibration mode.

The status LED will come ON solid red indicating you are in the calibration mode.

LED number 6 will come ON solid indicating that you are about to set the right aileron roll calibration.

When you are ready to begin calibrating the right aileron roll, toggle the aileron stick on your transmitter.

LED number 1 will come ON solid indicating you are ready to begin right aileron roll calibration.
In your hands roll the model RIGHT 3 times

Stay as square to the object you have the model lined up to as possible. Avoid elevator and rudder movements as much as possible!

After you have completed rolling the model 3 times place it back on the flat surface with the front boom square with the square object you have chose.

Line the front boom up with the square object the exact same way it was before you began the calibration process.
After you have completed rolling the model to the right 3 times toggle the aileron stick on your transmitter to complete this calibration step.

LED number 1 will turn OFF indicating you have completed this calibration step.

Toggle the rudder stick on your transmitter to prepare the unit for left aileron roll calibration.

LED number 2 will come ON solid indicating you are about to set the left aileron roll calibration.

Toggle the aileron stick on your transmitter to begin left aileron roll calibration.

LED number 1 will come ON solid indicating you are now ready to calibrate the left aileron roll.
In your hands roll the model LEFT 3 times

Stay as square to the object you have the model lined up to as possible. Avoid elevator and rudder movements as much as possible!

After you have completed rolling the model 3 times place it back on the flat surface with the front boom square with the square object you have chosen.

Line the front boom up with the square object the exact same way it was before you began the calibration process.
Auto Recovery Setup

After you have completed rolling the model to the left 3 times toggle the aileron stick on your transmitter to complete this calibration step

LED number 1 will turn OFF indicating you have completed this calibration step

Toggle the rudder stick on your transmitter to prepare the unit for back elevator calibration

LED number 6 will come ON slow flashing indicating you are about to set the back elevator calibration

Toggle the aileron stick on your transmitter to begin back elevator calibration

LED number 1 will come ON solid indicating you are now ready to calibrate the back elevator

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In your hands flip the model BACK 3 times

Stay as square to the object you have the model lined up to as possible. Avoid aileron and rudder movements as much as possible!

After you have completed flipping the model 3 times place it back on the flat surface with the front boom square with the square object you have chosen.

Line the front boom up with the square object the exact same way it was before you began the calibration process.
After you have completed flipping the model back 3 times toggle the aileron stick on your transmitter to complete this calibration step.

LED number 1 will turn OFF indicating you have completed this calibration step.

Toggle the rudder stick on your transmitter to prepare the unit for forward elevator calibration.

LED number 2 will come ON slow flashing indicating you are about to set the forward elevator calibration.

Toggle the aileron stick on your transmitter to begin forward elevator calibration.

LED number 1 will come ON solid indicating you are now ready to calibrate the forward elevator.
In your hands flip the model FORWARD 3 times

Stay as square to the object you have the model lined up to as possible. Avoid aileron and rudder movements as much as possible!

After you have completed flipping the model 3 times place it back on the flat surface with the front boom square with the square object you have chosen

Line the front boom up with the square object the exact same way it was before you began the calibration process.
**Auto Recovery Setup**

After you have completed flipping the model forward 3 times toggle the aileron stick on your transmitter to complete this calibration step.

LED number 1 will turn OFF indicating you have completed this calibration step.

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Toggle the rudder stick on your transmitter to prepare the unit for right rudder calibration.

LED number 6 will come ON fast flashing indicating you are about to set the right rudder calibration.

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Toggle the aileron stick on your transmitter to begin right rudder calibration.

LED number 1 will come ON solid indicating you are now ready to calibrate the right rudder.
Auto Recovery Setup

In your hands rotate the nose of the model RIGHT (Pirouette) 3 times.

Stay as level to the surface you have the model sitting on as possible. Avoid aileron and elevator movements as much as possible.

Top View
- Model Front
- Square Object

Rotate The Nose Right

Top View
- Model Front

Rotate The Nose Right

Top View
- Model Front

Rotate The Nose Right

Top View
- Model Front

Rotate The Nose Right

Top View
- Model Front

Rotate The Nose Right

Top View
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Top View
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Rotate The Nose Right

Top View
- Model Front

Rotate The Nose Right

Top View
- Model Front

Rotate The Nose Right

Top View
- Model Front

After you have completed pirouetting the model 3 times place it back on the flat surface with the front boom square with the square object you have chosen.

Line the front boom up with the square object the exact same way it was before you began the calibration process.
Auto Recovery Setup

After you have completed pirouetting the model right 3 times toggle the aileron stick on your transmitter to complete this calibration step.

LED number 1 will turn OFF indicating you have completed this calibration step.

Toggle the rudder stick on your transmitter to prepare the unit for left rudder calibration.

LED number 2 will come ON fast flashing indicating you are about to set the left rudder calibration.

LED number 1 will come ON solid indicating you are now ready to calibrate the left rudder.
In your hands rotate the nose of the model LEFT (Pirouette) 3 times.

Stay as level to the surface you have the model sitting on as possible. Avoid aileron and elevator movements as much as possible.

Rotate The Nose Left

Model Front

Rotate The Nose Left

Model Front

Rotate The Nose Left

Model Front

After you have completed pirouetting the model 3 times place it back on the flat surface with the front boom square with the square object you have chosen.

Line the front boom up with the square object the exact same way it was before you began the calibration process.

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Auto Recovery Setup

After you have completed pirouetting the model left 3 times toggle the aileron stick on your transmitter to complete this calibration step.

LED number 1 will turn OFF indicating you have completed this calibration step.

WARNING!!!!
If you do NOT press "P" before powering down your unit your calibration session will NOT be saved, and will have to be performed again to safely use auto recovery.

Press "P" to save your calibration session.

LED’s 2, 6, and 8 will come on solid green indicating your calibration session is complete, and has been saved.

Power Cycle The TG-Multi

After your unit has initialized LED number 8 will come ON solid indicating auto recovery is active and is ready to use in flight.

Power OFF

Power Back ON

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Checking Auto Recovery Calibration

After flying your model there will be a series of LED’s that will indicate how well the calibration worked that flight. You can use a series of flights to help you determine if the calibration is good.

Solid
If LED number 6 comes on solid this indicates you have a good calibration.

Solid
If LED number 1 comes on solid this indicates you have a small amount of discrepancy in the calibration.

Solid
If LED number 5 and LED number 1 come on frequently (for example 3 out of 5 flights) the calibration has a large discrepancy and the calibration should be redone.
How To Deactivate Auto Recovery

After the unit has initialized, to access auto recovery press and hold the "P" button until the status LED and LED number 1 begin flashing. Release the "P" button.

Press the "P" button two times. Auto recovery is the third setting in the menu.

The status LED should be fast flashing fast green.

Toggle the aileron stick on your transmitter.

LED number 6 will begin flashing fast green indicating the auto recovery feature has been deactivated.

Power OFF The TG-Multi

Auto recovery has now been DEACTIVATED and will NOT function.
Auto Recovery

Note: Be sure to place the throttle hold switch on your transmitter in the ON position before initializing the TG-Multi. Leave the throttle hold switch in the ON position while setting up your auto recovery function. If throttle hold is not in the ON position there is a chance that the TG-Multi will go into safe mode from the movement. In this condition the lights will not match the described setup, and the setup will be incorrect. If LED’s 3 and 4 come on solid or flashing this is what has happened. You will need to start over with the setup.

To access auto recovery press and hold the “P” button after the unit has initialized until the status LED and LED number 1 begin flashing. Release the “P” button. Press the “P” button two times. Auto recovery is the third setting in the menu. The status LED should be flashing fast green.

The first item is to select the switch that will activate auto recovery on your transmitter. Flip the switch you would like to use for auto recovery. If the switch you have selected is active, one of the numbered LED’s will come on indicating you have selected a switch. If you wish to change the switch you have chosen you can do so by simply toggling a different switch. The numbered LED should change, indicating the switch change.

Note: (In this same area of the setup, you can also deactivate the auto recovery feature if desired. If you wish to deactivate auto recovery toggle the aileron stick on your transmitter. LED number 6 will begin flashing indicating auto recovery has been deactivated. If you have chosen to deactivate auto recovery press “P” and power off the unit. Auto recovery will now not function.)

After you have selected a switch to activate auto recovery toggle the rudder stick on your transmitter to check the functioning of the switch you have selected. LED number 1 will begin flashing yellow. Toggle the switch you have selected and verify the ON and OFF directions. LED number 4 will come on to indicate the ON position for auto recovery. LED number 2 will come on to indicate the OFF position for auto recovery. Reverse the channel you are using to control the switch if needed to get the desired switch positions. If no lights come on during this setup step you will need to increase the travel or end points for the channel you are using to their maximum setting in both directions.

Note: (If you are not sure which channel is controlling the switch you want to use, most transmitters have a monitor function that allows you to see what the channels are doing when altered. In this screen you will be able to see the channel shift when you toggle the switch. This should identify the channel you will need to adjust if needed.)

After you have set up a switch to activate auto recovery press the “P” button to enter the calibration mode. The status LED will come on solid red. LED 6 will come on solid green indicating that the right aileron calibration is ready to be set. Before starting calibration grab something to use as a position reference. For example a box or book. Line up the front boom with the reference. You will want to return the model to this reference location after completing each calibration step.
Toggle the aileron stick on your transmitter to begin calibration. Using a straight edge on a table to line the model up to, roll the model in your hands 3 times to the right. Avoid any elevator or rudder movements as much as possible. When you have completed rolling the model 3 times and have placed it on the table lined up with the straight edge you have chosen, toggle the aileron stick on your transmitter to save the calibration.

Toggle the rudder stick on your transmitter to move to the next calibration direction. LED number 2 will come on solid indicating you are now ready to set the left aileron calibration. Toggle the aileron stick on your transmitter to begin calibration. Using a straight edge on a table to line the model up to, roll the model in your hands 3 times to the left. Avoid any elevator or rudder movements as much as possible. When you have completed rolling the model 3 times and have placed it on the table lined up with the straight edge you have chosen, toggle the aileron stick on your transmitter to save the calibration.

Toggle the rudder stick on your transmitter to move to the next calibration direction. LED number 6 will begin slow flashing green indicating you are now ready to set the back elevator calibration. Toggle the aileron stick on your transmitter to begin calibration. Using a straight edge on a table to line the model up to, flip the model in your hands 3 times backwards. Avoid any aileron or rudder movements as much as possible. When you have completed flipping the model 3 times and have placed it on the table lined up with the straight edge you have chosen, toggle the aileron stick on your transmitter to save the calibration.

Toggle the rudder stick on your transmitter to move to the next calibration direction. LED number 2 will begin slow flashing green indicating you are now ready to set the forward elevator calibration. Toggle the aileron stick on your transmitter to begin calibration. Using a straight edge on a table to line the model up to, flip the model in your hands 3 times forward. Avoid any aileron or rudder movements as much as possible. When you have completed flipping the model 3 times and have placed it on the table lined up with the straight edge you have chosen, toggle the aileron stick on your transmitter to save the calibration.

Toggle the rudder stick on your transmitter to move to the next calibration direction. LED number 6 will begin faster flashing green indicating you are now ready to set the right rudder calibration. Toggle the aileron stick on your transmitter to begin calibration. Using a straight edge on a table to line the model up to, pirouette the model in your hands 3 times to the right. Avoid any aileron or elevator movements as much as possible. When you have completed pirouetting the model 3 times and have placed it on the table lined up with the straight edge you have chosen, toggle the aileron stick on your transmitter to save the calibration.

Toggle the rudder stick on your transmitter to move to the next calibration direction. LED number 2 will begin faster flashing green indicating you are now ready to set the left rudder calibration. Toggle the aileron stick on your transmitter to begin calibration. Using a straight edge on a table to line the model up to, pirouette the model in your hands 3 times to the left. Avoid any aileron or elevator movements as much as possible. When you have completed pirouetting the model 3 times and have placed it on the
table lined up with the straight edge you have chosen, toggle the aileron stick on your transmitter to save the calibration.

Press the “P” button to save the calibration session. LED’s number 2, 6, and 8 will come on indicating the calibration is completed, and has been saved. Power cycle the unit. LED number 8 should come on solid after the unit initializes indicating that the auto recovery function is active and is ready to use.

After flying your model there will be a series of LED’s that will indicate how well the calibration worked that flight. You can use a series of flights to help you determine if the calibration is good. If LED number 6 comes on solid this indicates you have a good calibration. If LED number 1 comes on solid this indicates you have a small amount of discrepancy in the calibration. If LED number 5 and LED number 1 come on frequently (for example 3 out of 5 flights) the calibration has a large discrepancy and the calibration should be redone.