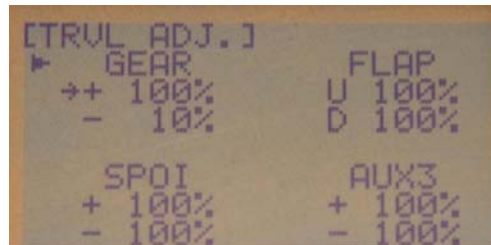


Setting Stick Priority on a JR XP8103 Transmitter

Co-Pilot CPD and FS8 can have a more natural feel when the remote gain is controlled by the aileron/elevator stick movement. When the stick is moved away from center, the remote gain will turn off Co-Pilot. This allows smooth snap rolls and loops. When the stick is returned to center, stabilization is instantly restored and the aircraft exits the maneuver level.

Follow these steps to set stick priority on a JR transmitter. If a different channel is used for the Remote on/off, substitute that channel for the Gear channel here.

Step 1) The Remote on/off is assumed to be on the gear switch. This is channel 5. The gear switch must be set to +100% and -10%.



Here are the details for step 1.

- a) Press LIST (DN & SELECT together)
- b) Press SELECT until you see the TRVL ADJ. menu item
- c) Press UP to select the TRVL ADJ menu item
- d) Press ENT (UP & DN together) to choose TRVL ADJ
- e) Press SELECT until you see the screen above
- f) Press the CH> until the arrow is by the GEAR channel
- g) Press the + or - key to adjust the top value to +100%
- h) Flip the gear switch to move the arrow to the other percentage
- i) Press the + or - key to adjust the bottom value to -10%
- j) Press ENT (UP & DN together) to exit

Step 2) Set Program Mix1 with the following.

AILERON mixes into the GEAR channel.

Point-L is -100

Point-1 is -100

Point-2 is +5

Point-3 is -100

Point-H is -100

SW is ON



Here are the details for step 2)

- a) Press LIST (DN & SELECT together)
- b) Press SELECT until you see the PROG.Mix1 menu item
- c) Press UP or DN to select the PROG.Mix1 menu item
- d) Press ENT (UP & DN together) to choose PROG.Mix1
- e) Press the SELECT key to put the arrow at the top channel selection item (just below PROG.) You could also see INH.
- f) Press the + or – key to choose AILE
- g) Press the CH> key to select the output channel (Just below Mix1)
- h) Press the + or – key to choose GEAR
- i) Press the SELECT key to put the arrow next to Point
- j) Press the <CH or CH> key to select Point-L
- k) Press the – key to select –100%
- l) Press the CH> key to select Point-1
- m) Press the – key to select –100%
- n) Press the CH> key to select Point-2
- o) Press the – key to select +5%
- p) Press the CH> key to select Point-3
- q) Press the – key to select –100%
- r) Press the CH> key to select Point-H
- s) Press the – key to select –100%
- t) Press the CH> key to select EXP
- u) Press the – key to turn EXPO on or off. ON will give even more stick priority.
- v) Press the SELECT key to choose SW:
- w) Press the – key to select ON
- x) Press ENT (UP & DN together) to exit

Step 3) Set Program Mix1 with the following.
ELEVATOR mixes into the GEAR channel.

Point-L is –100

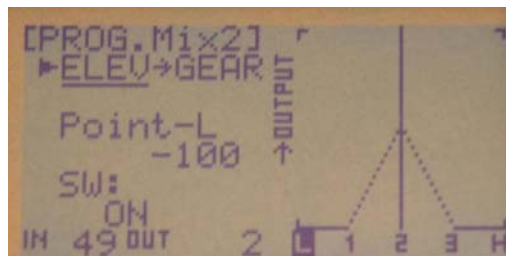
Point-1 is –100

Point-2 is +5

Point-3 is –100

Point-H is –100

SW is ON



Here are the details for step 3)

- a) Press LIST (DN & SELECT together)
- b) Press SELECT until you see the PROG.Mix2 menu item
- c) Press UP or DN to select the PROG.Mix2 menu item
- d) Press ENT (UP & DN together) to choose PROG.Mix2
- e) Press the SELECT key to put the arrow at the top channel selection item (just below PROG.) You could also see INH.
- f) Press the + or – key to choose ELEV
- g) Press the CH> key to select the output channel (Just below Mix1)
- h) Press the + or – key to choose GEAR

- i) Press the SELECT key to put the arrow next to Point
 - j) Press the <CH or CH> key to select Point-L
 - k) Press the – key to select –100%
 - l) Press the CH> key to select Point-1
 - m) Press the – key to select –100%
 - n) Press the CH> key to select Point-2
 - o) Press the – key to select +5%
 - p) Press the CH> key to select Point-3
 - q) Press the – key to select –100%
 - r) Press the CH> key to select Point-H
 - s) Press the – key to select –100%
 - t) Press the CH> key to select EXP
 - u) Press the – key to turn EXPO on or off. ON will give even more stick priority.
 - v) Press the SELECT key to choose SW:
 - w) Press the – key to select ON
- Press ENT (UP & DN together) to exit

It is very important that the mix look like a pyramid as in the picture above. Moving the stick any direction, moves the Remote on/off channel down.

Check if any of the switches turn this program mix on or off.

You can test the stick remote by moving your hand around the sensor. The response of the sensor should go to zero at 1/2 stick movement of the aileron or elevator.

The AutoTrim feature should be left on with Stick Priority. But, if it needs to be turned off, follow the instructions in the CoPilot or FS8 manual.

Any questions can be emailed to nathan@fmadirect.com