

**THIS IS ONLY A REFERENCE GUIDE. REFER TO YOUR TRANSMITTER MANUAL FOR YOUR RANGE CHECK PROCEDURES.**

## **RANGE TESTING 2.4 TRANSMITTERS SPECTRUM TRANSMITTERS**

### **DX5e**

1. With the model restrained on the ground, stand 30 paces (approx. 90 feet/28 meters) away from the model.

**Note:** Prior to performing the range check, ensure the correct failsafe stick positions are established.

2. Face the model with the transmitter in your normal flying position. Pull and hold the trainer switch while toggling the HI/LO Rate Switch four times. The LEDs will flash and the alarm will sound indicating the system is in range check mode.

**Note:** The trainer switch must be held the entire time during the range check process; releasing the trainer switch will exit the range check mode.

3. You should have total control of the model with the trainer switch pulled at 30 paces (90 feet/28 meters).

### **DX6i**

**RANGE CHECK:** When activated the range check screen allows for a range check by using the trainer switch to reduce the output power.

#### **To Enter the RANGE Check Function**

Press the ROLLER and hold while turning on the transmitter. When SETUP LIST appears on screen release the roller. Alternatively the setup list can be accessed from the main screen by pressing the roller to access the ADJUST LIST, then scrolling through the ADJUST LIST by rolling the roller to highlight SETUP LIST then pressing the roller. Rotate the roller to highlight RANGE CHECK then press the roller to access the RANGE CHECK function.

### **Range Testing the DX6i**

1. With the model on and resting on the ground, stand 30 paces (approx. 90 feet) away from the model.

2. Face the model with the transmitter in your normal flying position. Place the transmitter in the range test screen (see above) and pull and hold the trainer switch on the top of the transmitter. This causes reduced power output from the transmitter.

3. You should have total control of the model with the trainer switch pulled at 30 paces (90 feet).

### **DX7**

Before each flying session, and especially with a new model, it is important to perform a range check. The DX7 incorporates a range testing system which, when the bind button on the back of the transmitter is pressed and held, reduces the output power, allowing a range check.

### **Range Testing the DX7**

1. With the model resting on the ground, stand 30 paces (approx. 90 feet) away from the model.

2. Face the model with the transmitter in your normal flying position and depress and hold the bind button on the back of the transmitter. This causes reduced power output from the transmitter.

3. You should have total control of the model with the button depressed at 30 paces (90 feet).

## **JR TRANSMITTERS ALL RANGE TEST THE SAME**

Before each flying session, and especially with a new model, you need to perform a range check. JR 2.4 incorporates a range testing system which, when the bind button on the transmitter is pressed and held, reduces the output power, allowing a range check.

Press and hold the bind button 30 paces (90 feet)

1. With the model resting on the ground, stand 30 paces (approx. 90 feet) away from the model.

2. Face the model with the transmitter in your normal flying position and depress and hold the bind button on the back of the transmitter. This causes reduced power output from the transmitter.

3. You should have total control of the model with the button depressed at 30 paces (90 feet).

## FUTABA 6 EX

A range check **must** be performed before the **first** flight of a new model. It is not necessary to do a range check before every flight (but is not a bad idea to perform a range check before the first flight of each day). A range check is the final opportunity to reveal any radio malfunctions, and to be certain the system has adequate operational range.

1. We have installed a special "Power Down Mode" for doing a ground range check. To activate the "Power Down Mode" please hold down the Mode key and then turn the transmitter switch on. During this mode, the RF power is reduced so the range test can be performed. When this mode is active the red LED on the back of the transmitter starts blinking and the green LED is solid. In addition, when the mode is activated the transmitter gives users a warning with a beep sound every 3 seconds, and visual indication.

2. Walk away from the model while simultaneously operating the controls. Have an assistant stand by the model and signal what the controls are doing to confirm that they operate correctly. You should be able to walk approximately 30 - 50 paces from the model without losing control.

3. If everything operates correctly, return to the model. Set the transmitter in a safe, yet accessible location so it will be within reach after starting the engine. Be certain the throttle stick is all the way **down**, then start the engine. Perform another range check with your assistant holding the plane and the engine running at various speeds. If the servos jitter or move inadvertently, there may be a problem. **Do not fly the plane!** Look for loose servo connections or binding pushrods.

**Also be certain that the battery has been fully charged.**

4. The "Power Down Mode" continues for 60 seconds and after that the power will go back to the normal level.

To exit the "Power Down Mode" before the 60 seconds, press the "MODE" key again. This mode is available 1 time only so if you need to re-use this function the transmitter power must be cycled.

## FUTABA 7 C

1. We have installed a special "Power Down Mode" for doing a ground range check. To activate the "Power Down Mode" please hold down the **Dial** and then turn the transmitter switch on. During this mode, the RF power is reduced so the range test can be performed. When this is solid. In addition, when the mode is activated the transmitter gives users a warning with a mode is active the red LED on the back of the transmitter starts blinking and the green LED beep sound every 3 seconds, and visual indication.

2. Walk away from the model while simultaneously operating the controls. Have an assistant stand by the model and signal what the controls are doing to confirm that they operate correctly. You should be able to walk approximately 30 - 50 paces from the model without losing control.

3. If everything operates correctly, return to the model. Set the transmitter in a safe, yet accessible location so it will be within reach after starting the engine. Be certain the throttle stick is all the way **down**, then start the engine. Perform another range check with your assistant holding the plane and the engine running at various speeds. If the servos jitter or move inadvertently, there may be a problem. **Do not fly the plane!** Look for loose servo connections or binding pushrods.

**Also be certain that the battery has been fully charged.**

4. The "Power Down Mode" continues for 90 seconds and after that the power will go back to the normal level.

To exit the "Power Down Mode" before the 90 seconds, press the **Dial** again. This mode is available 1 time only so if you need to re-use this function the transmitter power must be cycled.

5. **NEVER** start flying when the "Power Down Mode" is active.

## FUTABA 8 FG

We have installed a special "Range check mode" for doing a ground range check. To access the "Range check mode" touch and hold the RTN button while turning on the transmitter. Doing so will bring up POWER MODE menu. To activate the "Range check mode" touch the RTN button and the range check mode screen will appear. During this mode, RF power is reduced for 90 seconds and will return to NORMAL OPERATION

While in range check mode a LED on the front of the transmitter starts blinking and a beeping sound every 3 seconds.

The "Power Down Mode" continues for 90 seconds and after that the power will go back to the normal level. To exit the "Power Down Mode" before the 90 seconds, press DIAL again.

# FUTABA 10 CG

## (TM10 POWER MODE):

We have installed a special "Power Down Mode" for doing a ground range check. To access the "Power Down Mode" hold down the **DIAL** while turning on the transmitter. Doing so will bring up TM10 POWER MODE menu.

To activate the "Power Down Mode" press **DIAL** and the home screen will appear. During this mode, the RF power is reduced so the range test can be performed. In addition, when this mode is activated the blue LED on the front of the transmitter starts blinking and the transmitter gives users a warning with a beeping sound every 3 seconds.

The "Power Down Mode" continues for 90 seconds and after that the power will go back to the normal level. To exit the "Power Down Mode" before the 90 seconds, press DIAL again.

# HITEC Aurora 9 and Optic 6

## Range Check Function

Press and hold the button on the module for 3 seconds and the red and blue LED's will turn on with a single beep. A 90 second countdown will start. During this power down you should walk away from the secured aircraft for approx 100 feet. Do not fly if less than 90 feet is achieved.

## Range Check the Radio

A range check **must** be performed before the **first** flight of a new model. It is not necessary to do a range check before every flight (but is not a bad idea to perform a range check before the first flight of each day). A range check is the final opportunity to reveal any radio malfunctions, and to be certain the system has adequate operational range.

1. We have installed a special "Power Down Mode" for doing a ground range check. To activate the "Power Down Mode" please hold down the Mode key and then turn the transmitter switch on. During this mode, the RF power is reduced so the range test can be performed. When this mode is active the red LED on the back of the transmitter starts blinking and the green LED is solid. In addition, when the mode is activated the transmitter gives users a warning with a beep sound every 3 seconds, and visual indication.
2. Walk away from the model while simultaneously operating the controls. Have an assistant stand by the model and signal what the controls are doing to confirm that they operate correctly. You should be able to walk approximately 30 - 50 paces from the model without losing control.
3. If everything operates correctly, return to the model. Set the transmitter in a safe, yet accessible location so it will be within reach after starting the engine. Be certain the throttle stick is all the way **down**, then start the engine. Perform another range check with your assistant holding the plane and the engine running at various speeds. If the servos jitter or move inadvertently, there may be a problem. **Do not fly** the plane! Look for loose servo connections or binding pushrods. Also be certain that the battery has been fully charged.
4. The "Power Down Mode" continues for 60 seconds and after that the power will go back to the normal level.

# AIRTRONICS RD 8000

## Range Check Function

1. Press and hold the Bind Button on the transmitter, then turn the transmitter ON. Continue to hold the Bind Button for 5 seconds. The Bind LED will blink slowly during this time. After 5 seconds the Bind LED will blink rapidly, then go out. Release the Bind Button and the Bind LED will continuously blink rapidly. The transmitter is in Low Power Mode.
2. Turn the transmitter ON in your model.
3. Walk away from the model while simultaneously operating the controls. Have an assistant stand by the model and signal what the controls are doing to confirm that they operate correctly. You should be able to walk approximately 30 - 50 paces from the model without losing control.
4. After you have completed your range check, turn the transmitter OFF then back ON again to revert to NORMAL MODE.

**NEVER ATTEMPT TO FLY ANY MODEL WHILE IN LOW POWER MODE**