



Product Bulletin: Spektrum DX18 Extreme Range Bulletin



June 15, 2015

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Product: Spektrum DX18G2 and Spektrum DX18 Stealth Edition transmitters with Region: US-247 in the System Settings Screen.



Issue: It has come to the attention of Horizon Hobby, LLC that some DX18G2 and DX18 Stealth Edition transmitters may have a reduction in performance at extreme ranges. Horizon Hobby performed extensive testing to confirm that the reduction in range takes place at extreme ranges well outside normal flying conditions for most conventional flying.

What To Do: Spektrum DX18G2 and DX18 Stealth Edition transmitters with a green dot in the battery compartment and on the box are not affected.

For Spektrum DX18G2 and DX18 Stealth Edition transmitters that do not have a green dot in the battery compartment and on the box, follow the steps listed below to perform a full range test. If the transmitter fails the full range test, please fill out the [Repair Request Form found here \[Document attached below main article\]](#). After completing and submitting the Repair Request Form, Horizon Hobby will E-mail a shipping label for you to use to return the transmitter. Typical turnaround time for a repair is 7–10 business days. You will not incur any fees or charges for the repair, if it is deemed necessary.

For customers outside of North America or Europe, please contact your local distributor.

Full Range Ground Test

Equipment Needed

1. DX18G2/Stealth Edition Transmitter.
2. Any Spektrum full-range receiver with servos attached (or an electric aircraft with full range receiver installed), together with the appropriate charged battery.
3. A small non-conductive (non-metal) stand or table approximately 30 inches (76.2 centimeters) tall (to place the transmitter on when testing).
4. Smart phone with GPS device for measuring distance.

Location

An open area that provides an uninterrupted direct line of sight for .6 miles

Process

1. Setting Failsafe-

Failsafe will be used to determine if the signal is lost. If using an electric airplane, remove the propeller and bind the DX18G2/Stealth Edition transmitter to the full range receiver at low throttle. When bound, verify that failsafe is working by increasing the throttle position to a low RPM then turn off the transmitter. The motor should turn off indicating loss of signal.

2. If using a receiver and servo only, put the receiver in small a small cardboard box with the antenna taped vertically and the throttle servo located so that it's easy to see. Bind the DX18G2/Stealth Edition to the full range receiver at low throttle. When bound, increase the throttle position to full throttle, then turn off the transmitter while observing the throttle servo. Verify that the throttle servo moves to the low-throttle position.

3. Place an approximately 30-inch (75 cm), non-conductive stand or table in an area that allows an unobstructed, line-of-sight view from the table to the area where the transmitter range test will be performed.4. Power on the transmitter and receiver, arm the ESC and/or confirm the throttle servo is operational. With propeller removed, increase the throttle position to a low RPM setting. If using a throttle servo only, increase the servo position to full throttle and note the location of the servo arm for later reference. At this throttle position, place the DX18G2/Stealth Edition transmitter on the table/stand.

5. Walk or drive the model/receiver 0.5 mile away from the operating transmitter. While facing the transmitter, and with an unobstructed line of sight view, with the model/receiver held at chest height, the motor should remain on at 0.5 miles. If using a receiver/servo only, the servo should remain in its noted full throttle location.

6. If at 0.5 miles the system goes into failsafe (Low throttle position), the radio should be returned to Horizon for service by following the above instructions.

Before Sending Your Transmitter to Horizon Hobby for Service

1. Export all programmed models to an SD card.
2. Remove the following items from the transmitter:
 - SD Card
 - Transmitter Battery
 - Neck Strap
 - Any Aftermarket Accessories (Cell phone mounts, gimbal sticks, etc.)
3. Carefully wrap the transmitter in bubble wrap and pack the transmitter into a strong cardboard box, ensuring the transmitter will not move around in transit. DX18 Stealth Edition Only: Do not return the DX18 Stealth Edition Transmitter Case.

We apologize for this inconvenience. Horizon disclaims all liability and warranties for any consumer failing to act upon this product bulletin.

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For customers outside of North America or Europe, please contact your local distributor.



Spektrum DX18G2/Stealth Edition Full Range Ground Test Instructions

Equipment Needed

1. DX18G2/Stealth Edition Transmitter.
2. Any Spektrum full-range receiver with servos attached (or an electric aircraft with full range receiver installed), together with the appropriate charged battery.
3. A small non-conductive (non-metal) stand or table approximately 30 inches (76.2 centimeters) tall (to place the transmitter on when testing).
4. Smart phone with GPS device for measuring distance.

Location

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DX18 Stealth Edition Only: Do not return the DX18 Stealth Edition Transmitter Case.

If you have any questions, please call Horizon Hobby Product Support at 888-959-2306.

If you purchased your product outside of the US and Canada, please see the retailer or distributor you purchased your product from for assistance.



Spektrum DX18G2 and Spektrum DX18 Stealth Edition Transmitters Repair Request Form

Consumer Shipping Address:

Name: _____

Street: _____

City: _____

State/Province: _____

Postal/Zip Code: _____

Phone Number: _____

E-mail: _____

Quantity: _____

Notes:

US and Canada Instructions:

Complete this form and send it by E-mail to HHPS@horizonhobby.com. Upon receipt of the completed form, Horizon Hobby will E-mail you a prepaid shipping label. Please use the shipping label provided to return your transmitter, along with a copy of this form, to Horizon Hobby. Typical turnaround time is 7–10 business days. You will not incur any fees or charges for the correction, if it is deemed necessary.

Outside the US and Canada Instructions:

For anyone outside of the US and Canada, please contact the local retailer or distributor where you purchased the product.