SPEKTRUM

DX6 RUGGED™

6-Channel 2.4GHz DSMR® Radio System

Instruction Manual
Bedienungsanleitung
Manuel d'utilitsation
Manuale di istruzioni

307522
Created 09/23

HORIZON HOBBY

NOTICE

All instructions, warranties and other collateral documents are subject to change at the sole discretion of Horizon Hobby, LLC. For up-to-date product literature, visit horizonhobby.com and click on the support tab for this Product.

MEANING OF SPECIAL LANGUAGE

The following terms are used throughout the product literature to indicate various levels of potential harm when operating this product:

WARNING: Procedures, which if not properly followed, create the probability of property damage, collateral damage and serious injury OR create a high probability of superficial injury.

CAUTION: Procedures, which if not properly followed, create the probability of physical property damage AND a possibility of serious injury.

NOTICE: Procedures, which if not properly followed, create a possibility of physical property damage AND little or no possibility of injury.

⚠ **WARNING:** Read the ENTIRE instruction manual to become familiar with the features of the product before operating. Failure to operate the product correctly can result in damage to the product, personal property and cause serious injury.

This is a sophisticated hobby product. It must be operated with caution and common sense and requires some basic mechanical ability. Failure to operate this product in a safe and responsible manner could result in injury or damage to the product or other property. This product is not intended for use by children without direct adult supervision. Do not attempt disassembly, use with incompatible components or augment product in any way without the approval of Horizon Hobby, LLC. This manual contains instructions for safety, operation and maintenance. It is essential to read and follow all the instructions and warnings in the manual, prior to assembly, setup or use, in order to operate correctly and avoid damage or serious injury.

Age Recommendation: Not for Children under 14 years. This is not a toy.

⚠ **WARNING AGAINST COUNTERFEIT PRODUCTS:** Always purchase from a Horizon Hobby, LLC authorized dealer to ensure authentic high-quality Spektrum product. Horizon Hobby, LLC disclaims all support and warranty with regards, but not limited to, compatibility and performance of counterfeit products or products claiming compatibility with DSM or Spektrum technology.

NOTICE: This product is only intended for use with unmanned, hobby-grade, remote-controlled vehicles and aircraft. Horizon Hobby disclaims all liability outside of the intended purpose and will not provide warranty service related thereto.

SAFETY PRECAUTIONS

- Always ensure all batteries have been properly charged prior to using the model.
- Always check all servos and their connections prior to each run.
- Never operate your model near spectators, parking areas or any other area that could result in injury to people or damage of property.
- Never operate your model during adverse weather conditions. Poor visibility can cause disorientation and loss of control of your model.

- Never point the transmitter antenna directly toward the model. The radiation pattern from the tip of the antenna is inherently low.
- If at any time during the operation of your model you observe any erratic or abnormal operation, immediately stop operation of your model until the cause of the problem has been ascertained and corrected.

WATER-RESISTANT TRANSMITTER

Your new Horizon Hobby transmitter has a special water-resistant coating on the electronics to ensure reliable performance in higher than average moisture conditions. This conformal coating can offer mild protection from light drops of water.

- **DO NOT** submerge this product under water for any period of time. If it is submerged, it may result in damage or loss of function.
- **DO NOT** pour water onto or allow excess water to come in direct contact with the product.
- **DO NOT** operate this product in heavy rain or snow.
- **DO NOT** expose this product to salt water (ocean water or water on salt-covered roads), contaminated or polluted water.

- In case of excess exposure to water or debris, immediately wipe down the transmitter with a soft cloth, and allow it to fully dry before next use.

NOTICE: While this transmitter may have an above-average resistance to water, make sure the other components in your vehicle are waterproof or water-resistant before operating in wet conditions.

TABLE OF CONTENTS

SPECIFICATIONS

	DX6 Rugged	SR515
Type	6-Channel DSMR	5-Channel DSMR Sport Receiver
Dimensions (L × W × H)	160mm X 122mm X 251mm	32.5mm× 21.5mm × 13.4mm
Antenna Length	Integrated	120mm
Channels	6	5
Weight	402g	6g
Band	2402 MHz – 2478 MHz	
Voltage Range		3.5–9.6V

GETTING STARTED

The DX6 Rugged transmitter is compatible with Spektrum™ DSMR® and DSM2® Receivers.

Initial Setup With the Included SR515 Receiver (without AVC activated):
1. Install batteries in transmitter.
2. Press and hold the bind button on the receiver and power on vehicle.
3. Power on the transmitter, and put it in bind mode.
4. Set up servo reverse, travel, and sub trim.
5. Re-bind to set proper failsafe positions.

Subsequent Runs After Initial Setup:
1. Power on the transmitter first.
2. Power on the vehicle.
3. Power off the vehicle first.
4. Power off the transmitter.

TRANSMITTER LAYOUT

B

A

H

I

J

K

E

F

G

L

C

D

M

N

I

O

P

Q

R

S

T

A: Trimmer Button A
   Default- Throttle Trim
B: Trimmer Button B
   Default- Steering Trim
C: Trimmer Button C
D: Trimmer Button D
E: Trimmer Button E
   Default- Steering Rate Up
F: Trimmer Button F
   Default- Brake Rate Up
G: Button G
   Default- Timer Start/Stop
H: Thumb steering

I: Strap hook
J: Touch Pad
**K:** Power Button
L: Antenna
M: Steering Wheel
N: Trigger (throttle/brake)
O: Battery Door
P: Data Port, Accessory Storage
Q: LCD Screen
R: Back Button
S: Slide Button
T: Clear Button

TRANSMITTER BATTERY INSTALLATION

⚠ **CAUTION:** NEVER remove the transmitter batteries while the model is powered on. Loss of model control, damage or injury may occur.

⚠ **CAUTION:** If using rechargeable batteries, charge only rechargeable batteries. Charging non-rechargeable batteries may cause the batteries to burst, resulting in injury to persons and/or damage to property.

⚠ **CAUTION:** Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to national regulations.

1. Remove the battery cover from the bottom of the transmitter.
2. Install 4 AA batteries as shown.
3. Install the battery cover.
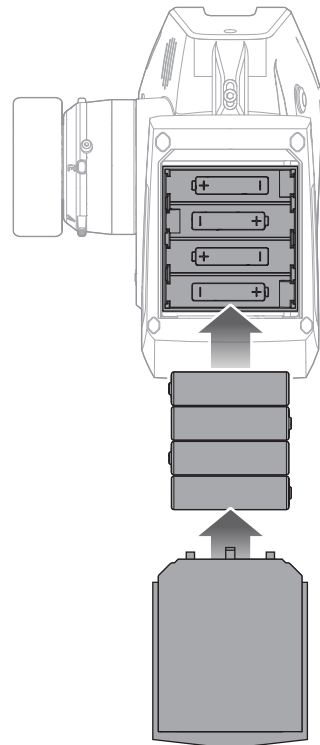
MAIN SCREEN

The Main Screen displays information about the active model, including the Timer (when activated). To return to the Main Screen at any time, press and hold the scroll wheel for at least 6 seconds.

A: Transmitter Battery Voltage

B: Model Name

C: Steering Rate

D: Timer (when activated)

E: Position of Steering (STR) trim

F: Position of Throttle (THR) trim

G: Position of Brake (BRK) trim

H: Position of AUX 1 trim

I: Position of AUX 2 trim

J: Position of AUX 3 trim
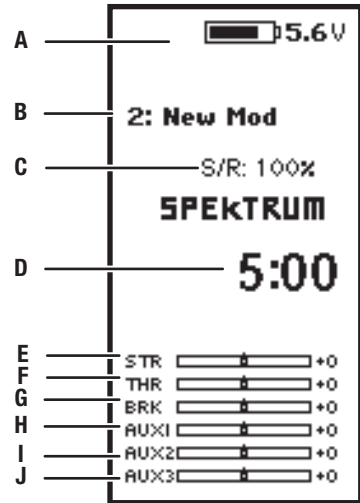
TOUCH PAD NAVIGATION

USING THE TOUCH PAD

- Tap UP or DOWN to move up or down one line in the menu list.
- Touch and hold UP or DOWN to scroll up or down the menu list.
- Touch the BACK button to go to the previous screen.
- Use the CLEAR button to return a selected value on a screen to the default setting.
- From the Main Screen, touch OK in the center to display the Function List.
- Fine tune the touch interface/scrolling speed by changing the profile under Settings; Touch.

Enter, Select or Exit a selection

Move between options or change values
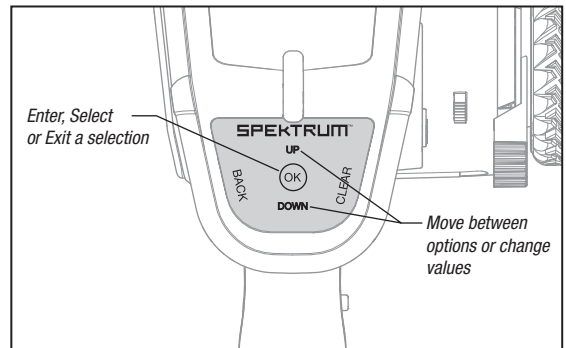
INDIVIDUAL DIRECTION ADJUSTMENTS

In some instances, you may find it necessary to independently adjust the control directions; for example, if you want more travel for left steering than right steering, perform the following steps:

1. Go to the value you wish to change and press OK
2. When both directions are selected, move the control (steering or throttle) toward the control direction you wish to change. The selection box moves to the desired direction. You do not need to hold the control in the desired direction.
3. To change the opposite direction, simply move the control in that direction.
4. Press OK to save the selection.

AUTO SWITCH SELECT

To easily select a switch in a function, such as a program mix, use the touch pad arrows to highlight the switch selection box, and press OK. The box around the switch will flash. To select a switch, toggle the switch you wish to select. Verify the switch selection is now displayed as desired. When correct, press OK to select this switch and complete the switch selection.

TIP: The tick mark below the switch position box shows the current switch position.

Use the navigation arrows and press OK to turn the selected box black, indicating that the value or condition will act on that position.
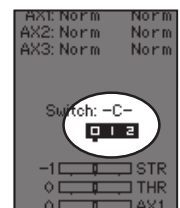
SWITCH SELECTION TIP

If the system won't allow INHIBIT to be changed, all switches are assigned to a different function. Un-assign a switch from another function to free it up for selection.

The DX6 Rugged does not allow switch assignments to be over-loaded. Only one function is allowed for each switch. Once a switch is configured for a function, the switch assignment for that function must be disabled for the switch to be used for something else.

MENU

Click the scroll wheel from the main screen to access the FUNCTION LIST. The FUNCTION LIST contains all the available menus on the DX6 Rugged. The functions include:

- Model Select
- Model Name
- Travel
- Sub Trim
- Reverse
- Speed

- Rates
- Exponential
- Timer
- Bind/ Frame Rate
- Mixing
- AVC

- Trim Setup
- Aux Assign
- **Telemetry**
- **USB Settings**
- Settings
- Utilities

MODEL SELECT

⚠ **CAUTION:** NEVER change the model in Model Select while operating a model. Changing the model memory interrupts the transmitter signal to the receiver and may cause loss of vehicle control, damage or personal injury.

Model Select enables you to access any of the 20 internal model memory locations in the Model Select list.

1. Scroll to the desired model memory in the Model Select list.
2. When the desired model memory is highlighted, press OK once to select the model. The transmitter returns to the Main Screen.

3. Add a new model by rolling to the bottom of the list. You will then be prompted with the Create New Model screen, with the option to create a new model or cancel. If you select Cancel, the system will return to the Model Select function. If you select Create, the new model will be created and now be available in the model select list.

```
Model Select
< BACK >
1: VRoom
< Add New Model >
```

MODEL NAME

Model Name enables you to assign a custom name to the current model memory.
Model names can include up to 15 characters, including spaces.

To add letters to a Model Name:

1. Slide to the desired letter position and press OK. A flashing box appears.
2. Slide Up or Down until the desired character appears. Press OK to save the character.
3. Slide to the next desired letter position. Repeat steps 1 and 2 until the model name is complete.
4. Select Back to return to the MENU.

To erase a character(s):

1. Press the Clear button while the character is selected.
2. Press the Clear button a second time to erase all characters to the right of the cursor.

```
BACK
Model Name

Name:
1: VRoom
```
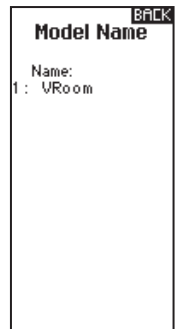
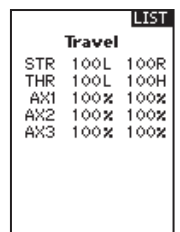## TRAVEL

Travel sets the overall travel or endpoints of the servo arm movement. Travel values range from 0–150% (Default is 100%).

To adjust Travel values:

1. Slide to the channel you wish to adjust and press OK.
2. Slide up or down to adjust the travel value. Press OK to save the selection.

```
LIST
Travel
STR  100L  100R
THR  100L  100H
AX1  100%  100%
AX2  100%  100%
AX3  100%  100%
```

SUB-TRIM

Subtrim offsets the entire range of servo travel including the center and endpoint positions.

⚠ **CAUTION:** Use only small sub-trim values. Larger values may affect travel if full servo travel is used.

```
                              LIST
                    Sub Trim

                    STR      +0
                    THR      +0
                    AX1      +0
                    AX2      +0
                    AX3      +0
```

REVERSE

Use the Reverse menu to reverse the channel direction. For example, if the Steering servo moves Left, reversing the channel will move the Steering servo Right.

To reverse a channel direction:
1. Slide to Travel and press OK. Slide up or down until Reverse appears, then press OK again to save the selection.
2. Slide to the channel you wish to reverse and press OK.

If you reverse the Throttle channel, a confirmation screen appears. Select YES to reverse the channel. A second screen appears, reminding you to bind your transmitter and receiver.

⚠ **CAUTION:** Always rebind the transmitter and receiver after reversing the Throttle channel. Failure to do so will result in the throttle moving to full throttle if failsafe activates.

Always perform a control test after making adjustments to confirm the vehicle responds properly.

⚠ **CAUTION:** After adjusting servos, always rebind the transmitter and receiver to set the failsafe position.

```
                              LIST
                    Reverse

                    STR Normal
                    THR Normal
                    AX1 Normal
                    AX2 Normal
                    AX3 Normal
```

SPEED

The Speed menu enables you to slow the response time on any individual channel.

The Speed is adjustable from 100% to 1%.

To adjust the Speed:
1. Slide to the channel you wish to adjust and press OK.
2. Slide Up or Down to adjust the speed and press OK to save the selection.
3. Select a switch to activate/deactivate the function. If Switch ON is selected, the value will always be on for that function.

```
                              LIST
                     Speed

           STR: Norm       Norm
           THR: 0.015      Norm
           AX1: Norm       Norm
           AX2: Norm       Norm
           AX3: Norm       Norm


              Switch: -C-
                 0 1 2
```

RATES

Rates allow the driver to reduce the travel (0-100%) of the steering, throttle, or braking with a trimmer button. The Override option allows drivers to select a different rate value (0-125%) while holding down the assigned trimmer button. This is especially helpful for oval racers that program minimal steering throw to desensitize steering during racing, but requires maximum steering angle to drive out of a crash or get turned around on the track.

To adjust Rate values:
1. Slide to Steering and press OK to select between Steering, Throttle or Brake.
2. Slide up or down to adjust the rate value. Press OK to save the selection.
3. Set the Switch setting to On to enable rates, select Inh to disable Rates.
4. Select an Override rate and switch.
5. Select the OTF (On-The-Fly) trimmer that will be used to adjust rates On-The-Fly.

TIP: In order for the override to operate, you must assign it to a switch or trimmer. The default position for this function is inhibited.

```
                              MENU
                     Rates

                    Steering
                    Rate:100%
                 Switch:On
                     OTF
                 Trim:E
                      Inh    +
                  Override
                   Rate:100%
                 Switch:Inh
```

EXPONENTIAL

The Exponential (Expo) function affects the response rate of the steering, throttle and/or brake. A positive steering expo value, for example, decreases steering sensitivity around neutral to make it easier to drive at high speeds in a straight line while still allowing for maximum turning radius. While sensitivity with positive expo is decreased around neutral, it increases the sensitivity near the end of travel.
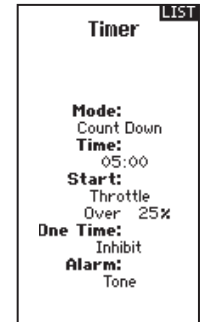
To adjust Expo values:
1. Select Throttle or Steering.
2. Slide up or down to adjust the Rate value.
3. Press OK to save the selection.
4. Select an OTF switch to activate Exponential.

IMPORTANT: Both positive and negative expo values are available. A positive expo value results in the center being less sensitive (desirable most of the time), while a negative value increases the sensitivity around center (normally not used).

```
LIST
Expo
   Steering

Expo          ◊L
              ◊R



         OTF
      Trim: Inhibit

      Switch: On
```
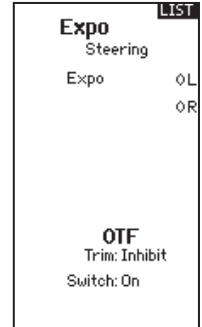
TIMER

The DX6 Rugged Timer function allows you to program a countdown timer and stop watch (count up timer) to display on the main screen. An alarm sounds when the programmed time is reached. You can program the timer to start using the assigned switch position or automatically when the throttle moves above a pre-programmed position.

```
LIST
Timer


Mode:
   Count Down
Time:
   05:00
Start:
   Throttle
   Over  25%
One Time:
   Inhibit
Alarm:
   Tone
```

BIND/FRAME MENU

NOTICE: Always rebind after changing the Frame Rate.

For compatibility with all types of servos, three frame rates are available:
- **11ms:** Offers good response rates and is compatible with most digital and analog servos (this is the default position). Works with DSMR® surface receivers.
- **16.5ms**: Needed for older analog servos. Works with DSM2® surface receivers.
- **22ms:** Needed for older analog servos. Works with DSMR receivers.

TIP: You should always use the fastest response rate the servos can handle. This gives the lowest latency and fastest response. If the frame rate is incompatible with the servo, the servo will move erratically or, in some cases, not at all. If this occurs, change the frame rate to the next highest value.

Failsafe

In the unlikely event that the radio link is lost during use, the receiver will drive the throttle servo to its pre-programmed failsafe position (normally full brakes) and all other channels will have no servo output. The throttle failsafe position is set during binding. If the receiver is turned on prior to turning on the transmitter, the receiver will enter the failsafe mode, driving the throttle servo to its preset failsafe position. When the transmitter is turned on, normal control is resumed.

IMPORTANT: failsafe activates only in the event that signal is lost from the transmitter. Failsafe will NOT activate in the event that receiver battery power decreases below the recommended minimums or power to the receiver is lost.

NOTICE: AVC receivers must be calibrated after binding for proper operation.

Binding

Binding is the Process of teaching the receiver the specific transmitter's code called GUID (Globally Unique Identifier) and storing failsafe values. When a receiver is bound to a transmitter/model memory, the receiver will only respond to that specific transmitter/model memory.

Bind Process

1. Use a bind plug or press the bind button to place the receiver into Bind mode. The LED on the receiver will begin to flash.
2. Power on the transmitter.
3. Select the Model Memory you wish to bind to.
4. Select Bind from the List menu.
5. Move the throttle channel to the desired failsafe position.

NOTICE: The throttle channel must stay in the failsafe position until binding is complete.

6. Slide to Bind and press OK. The orange LED flashes on top of the transmitter.
7. When the bind process is complete, the transmitter and receiver LEDs stop flashing and turn solid orange.
8. Remove the bind plug from the receiver and keep it in a convenient place.

NOTICE: Always remove the bind plug from the receiver when the bind Process is complete. Failure to do so will cause the receiver to enter bind mode the next time you power on the receiver.
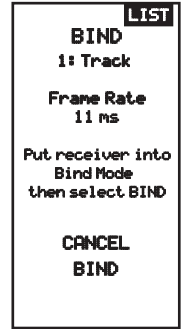
MIXING

Mixes can connect two servo outputs to one control input. The DX6 Rugged features preset steering mixes and one programmable mix (Mix 0). The AUX channels can only be assigned to one mix at a time. If AUX 1, 2, or 3 is assigned to another mix, it will not be available as a slave channel option. AUX channels 1 and 2 are not available for use in mixes when the AVC menu in the transmitter is active.
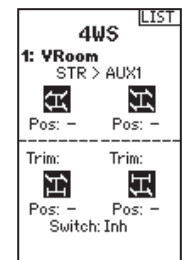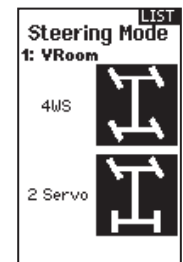

Steering Mix

The pre-configured Steering Mix options are for vehicles using two steering servos. For vehicles with servos independently controlling front and rear wheels, four-wheel steering (4WS) offers four different mixing options on one switch. The dual steering servo (Dual ST) mix is for vehicles with two servos working together on the front wheels.

4WS (4-Wheel Steering)

4WS options in the DX6 Rugged offer four different steering configurations using one switch; Crab, 4WS, front only, and rear only steering.

1. Select 4WS and press OK.
2. To activate, select Inhibit and slide to select the second steering channel. Select STR > AUX 1 and slide to choose from AUX 1, AUX 2 or AUX 3 as the second steering (slave) channel.
3. Assign a switch or set the switch assignment to ON.
4. Each of the four steering options each needs to be assigned to a switch position to be enabled. Crab and 4WS options also need to have rates assigned.
   • Select Pos: and use the slide button to select the switch position (0-3). After the switch positions are assigned to the steering modes, the current switch selection will be indicated with a box around the steering mode.
   • For Crab and 4WS steering, a set of travel settings and a trim option for the second servo appear when the switch position setting (Pos:) is assigned to a switch position. Front only and Rear only steering options do not have rate or trim options.
      1. Use the slide button to select the travel settings, turn the wheel to adjust travel for each side individually. Setting this value positive or negative determines the second servo direction.
      2. Use the slide button to select the Trim option. Select active (Act) to carry over trim settings to the mixed (slave) steering channel. Leave Inh if the trim should only adjust the primary steering channel.

2 Servo (Dual Steering)
1. Select STEERING in the Mixing screen and press OK.
2. Select 2 SERVO and press OK.
3. To activate, select Inhibit and slide to select STR > AUX 1. Select AUX 1, AUX 2 or AUX 3 for the second steering (slave) channel.
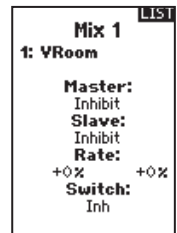
```
                    ⌐LIST
            Dual Servo
            6: New Model

                 STR > AUX1
                    .
```
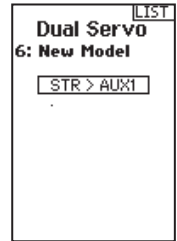
Programmable Mix
A freely assignable mix allows drivers to set up a second (Slave) channel to follow a primary (Master) channel.
1. Select Mix O and press OK. In the mixing menu, select Mix O to rename the mix.
2. To activate, select a Master and Slave channel and assign the Rate.
   • Select Inhibit under Master and slide to select the Master (input) channel.
   • Select Inhibit under Slave and slide to select the Slave (output) channel.
   • Rate settings define travel limits and direction. Move the input channel (steering wheel, throttle, or whatever function is assigned to the master channel) to adjust the rate for each side of the slave channel travel. Setting this value positive or negative determines the slave servo direction.

3. Select Switch; Inh will disable the mix, ON will activate the mix, or a switch can be assigned to turn the mix on and off.
4. Set Trim to Act or Inh (Default). When Trim is Active, adjustments to the Master trim carries over to the Slave channel.

```
                    ⌐LIST
               Mix 1
            1: VRoom

                Master:
                 Inhibit
                 Slave:
                 Inhibit
                 Rate:
            +0%        +0%
                Switch:
                  Inh
```
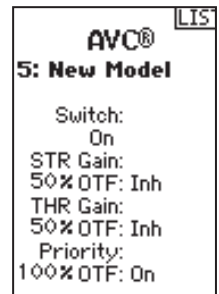
AVC PROGRAMMING MENU
The DX6 Rugged includes a menu specific to AVC operation. This menu manages AUX 1 and AUX 2 operation and tailors it for AVC® technology use. The AVC menu also controls the Priority features.
To activate the AVC menu:
1. Select AVC in the main menu
2. Select Switch and use the slide button to select On to enable the AVC menu.
3. Change the gain and priority values to suit the vehicle.
4. To fine tune each value during use without having to access the programming menu, assign a trimmer to the On-The-Fly (OTF) feature for each AVC value.
   Select the arrow to the right of the switch selection to set the trimmer to increase or decrease the gain from the set value.

TIP: Trimmers can only be assigned to one OTF function; Steering and throttle gain values cannot be adjusted from one trimmer button.

TIP: For receivers without AVC, leave the AVC menu in the DX6 Rugged inhibited (INH).

```
                    ⌐LIST
              AVC®
            5: New Model

                Switch:
                  On
            STR Gain:
            50% OTF: Inh
            THR Gain:
            50% OTF: Inh
             Priority:
            100% OTF: On
```

TRIM SETUP
Trim Setup affects the amount the servo travels with each click of the trim, but has no effect on the total trim travel. The trim steps range from 1 to 20 (Default is 9).
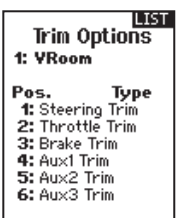**To adjust the trim steps:**
1. Select channels to edit.
2. Slide Up or Down to adjust the step value.
3. Press OK to save the selection.

```
                    ⌐LIST
            Trim Step
            1: VRoom

            Steering:  9
            Throttle:  9
               Aux 1: --
               Aux 2: --
               Aux 3: --
```

Trim Assign
Trim ASSIGN allows for the assigning of a switch to the Steering or Throttle trims.
1. From within Trim Setup, select NEXT.
2. Select channels to assign a switch to.
3. Slide Up/Down or toggle a switch/button to assign.
4. Press OK to save the selection.

```
                    ⌐LIST
            Trim Options
            1: VRoom

            Pos.        Type
            1: Steering Trim
            2: Throttle Trim
            3: Brake Trim
            4: Aux1 Trim
            5: Aux2 Trim
            6: Aux3 Trim
```
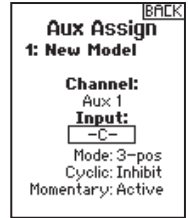
AUX ASSIGN

Channel Assign allows for the assigning of a switch or trimmer as input to an AUX channel.

Channel assign:
1. Select a channel to edit. Press OK to save the selection.
2. Slide Up/Down or toggle a switch/button to assign.
3. Press OK to save the selection.

```
                              BACK
Aux Assign
1: New Model

    Channel:
     Aux 1
    Input:
    [  -C-  ]
   Mode: 3-pos
   Cyclic: Inhibit
 Momentary: Active
```

TELEMETRY

The telemetry screen allows for easy access to all telemetry sensors and settings.
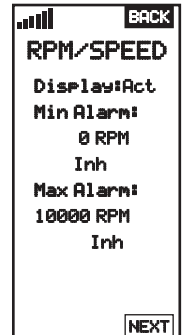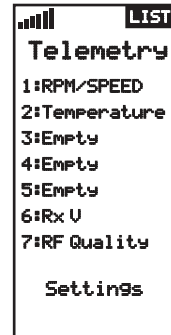
To edit telemetry sensors:
1. Select the sensor from the list.
2. Press OK to open that sensors settings.
3. Adjust sensor parameters.
4. Press OK to save the selection.

Settings

Choose how telemetry is displayed on the transmitter.
File Settings:
- Displays File name of saved telemetry files.
- Inhibit, activate telemetry file saving.

```
.ıll          LIST
Telemetry
1:RPM/SPEED
2:Temperature
3:Empty
4:Empty
5:Empty
6:Rx V
7:RF Quality

   Settings
```

```
.ıll          BACK
RPM/SPEED

 Display:Act
 Min Alarm:
   0 RPM
    Inh
 Max Alarm:
  10000 RPM
    Inh

             NEXT
```

SMART Throttle

Spektrum ESCs feature a telemetry function called SMART Throttle. SMART Throttle technology combines the throttle signal with telemetry data from the ESC on one normal three wire servo connector.

SMART Throttle ESCs can send current, voltage, ESC temp, and mAh consumed. They can also pass along battery data from compatible Spektrum SMART batteries. SMART Throttle telemetry data shows up on your transmitter like any other telemetry sensor.

For SMART Throttle to function you must have a compatible Spektrum ESC, and telemetry receiver to pair with your DX6 Rugged. Only certain Spektrum products include SMART technology compatibility, check your receiver and ESC manual for more information.

To view SMART telemetry:
1. The vehicle needs to powered on with the receiver connected to the transmitter
2. Slide down while on the main screen
3. SMART telemetry screens will appear after the monitor screen.

To activate speed information using SMART Telemetry:
1. The vehicle needs to powered on with the receiver connected to the transmitter
2. Slide to the Telemetry screen
3. Slide to SMART ESC and double select
4. Slide down to NEXT
5. Enter the values for the magnetic pole count of the motor, and roll out.
6. Change the display to SPEED (motor and roll out information can be found in the manual for your vehicle)
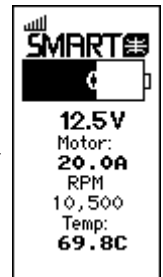
When the radio is on and connected to a receiver sending SMART Data, the SMART Logo will appear under the battery logo on the home page and a signal bar will appear in the top left corner of the screen.

```
.ııll
SMART

  [   (   ]
   12.5V
  Motor:
   20.0A
   RPM
  10,500
  Temp:
  69.8C
```

USB SETTINGS

The DX6 Rugged can operate as a game controller on a PC when connected to the USB port. When this mode is set to Inhibit the transmitter will operate normally. When the mode is set to Active the transmitter will not transmit (RF is off and the transmitter does not connect or bind with a receiver). We recommend setting up a model file specifically for game controller use.

```
.ıll          BACK
  USB
 Settings
  Mode:
  Inhibit

 Uses active
 model. RF will
 be disabled.
```
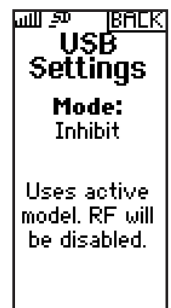
SETTINGS

System settings allow adjustments to the following transmitter settings:

- Display
- Trims
- Sounds
- About
- Calibrate
- Battery
- Extra
- Touch

```
                    MENU
           SETTINGS
          1:Model Name

           Display
            Trims
           Sounds
            About
          Calibrate
           Battery
            Extra
            Touch
```
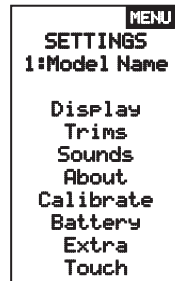
Display

User Name

The User Name field displays the user name above the model name on the main screen.

1. Select the desired letter position and click OK once. A flashing box appears.
2. Scroll up or down until the desired character appears. Press OK once to save the character.
3. Select the next desired letter position. Repeat steps 1 and 2 until the model name is complete.

Language:

Select Language to change the transmitter display language. The transmitter will retain the language for models already created. New models will be created using the currently selected language.

LCD

Use the LCD option to adjust the screen contrast, backlight duration and brightness. Select Settings under LCD:, and click OK to access to change the screen settings.

To adjust the contrast:

1. Select Contrast and click OK.
2. Select up or down to adjust the contrast value. Lower numbers lighten the contrast, higher numbers darken it.
3. Press OK once to save the selection.

```
                    BACK
          Display
          User Name:

          Language:
          English
          LCD:
          Settings
          Inactive
          Alarm:
          10 min.
          Tone
```

To adjust the backlight duration:

1. Select the value under Duration and click OK.
2. Select up or down to adjust the increase or decrease the duration value. The available values are:

   - On
   - 3s
   - 10s
   - 20s
   - 30s (default)
   - 45s
   - 60s

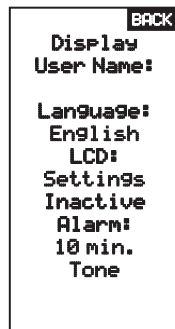3. Press OK once to save the selection.

To adjust the screen brightness:

1. Select the value under Brightness and click OK.
2. Select up or down to adjust the brightness value in 5% increments, from 5-100%. (75% default)
3. Press OK once to save the selection.

Inactive Alarm

An alarm activates if the transmitter sees a period of inactivity for a certain amount of time. The alarm is helpful in reminding you to power off the transmitter and avoiding a situation where the transmitter battery completely discharges.
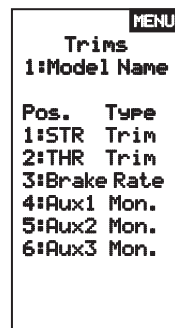
- Inh (No alarm sounds)
- 5 min
- 10 min (default)
- 30 min
- 60 min

Trims

Assign Trims to any trimmer or switch on the transmitter.

1. Select the trim position from the list.
2. Press OK to select the position.
3. Slide to select the trim desired in that position.
4. Press OK to save the selection.

```
                    MENU
            Trims
          1:Model Name

          Pos.    Type
          1:STR   Trim
          2:THR   Trim
          3:Brake Rate
          4:Aux1 Mon.
          5:Aux2 Mon.
          6:Aux3 Mon.
```

Sounds

Turn system sounds ON/OFF.

1. Select the sound from the list.
2. Press OK once to Activate/Inhibit.
3. Press OK to save the selection.

```
                            BACK
Sound Settings
       Roller: Active
        Timer: Active
         Trim: Active
     Keyclick: Active
       Switch: Active
```
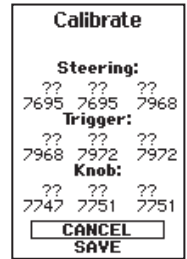

About

Displays the transmitter serial number and regulatory information. Start a user account at SpektrumRC.com and enter the serial number displayed on the About page to register the transmitter.

Calibrate

Use this menu to calibrate controls. After making physical changes to the transmitter, such as changing the wheel, calibrate the transmitter.

1. Move the steering wheel, throttle/brake and the knob from stop to stop.
2. Save when finished or cancel to go back.

```
      Calibrate

      Steering:
   ??    ??    ??
  7695  7695  7968
       Trigger:
   ??    ??    ??
  7968  7972  7972
        Knob:
   ??    ??    ??
  7747  7751  7751
      CANCEL
       SAVE
```

Battery

Set the battery type and the low voltage alarm value.

Touch

5 different touch setting profiles are available to suit the driver.

- Profile 1 has the slowest response (requires long touches or holds to navigate and make selections)
- Touch response becomes more sensitive as the profile numbers increase
- Profile 5 has the fastest response (requires short touches or holds to navigate and make selections)

UTILITIES

The Utilities menu is accessed from the Function list. No radio transmission occurs when the Utilities screen is displayed, preventing accidental damage to linkages and servos during changes to programming.

A CAUTION screen appears that warns RF will be disabled (the transmitter will no longer transmit). Press YES to access the utilities list.

⚠ **WARNING:** Do not press YES to enter the Utilities menu unless the model is turned off and secured.

If no selection is made, the system will exit to the main screen within approximately 10 seconds.

```
                      BACK
CAUTION!
     Confirm
   System Menu
     Access.

RF will be disabled!


   Are you sure?
        NO
        YES
```
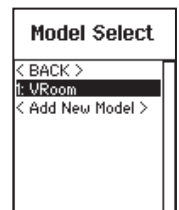

Model Select

Model Select enables you to access any of the 20 internal model memory locations in the Model Select list.

1. Scroll to the desired model memory in the Model Select list.
2. When the desired model memory is highlighted, press OK to select the model. The transmitter returns to the Main Screen.
3. Add a new model by rolling to the bottom of the list. You will then be prompted with the Create New Model screen.

⚠ **CAUTION:** NEVER change the model in Model Select while operating a model. Changing the model memory interrupts the transmitter signal to the receiver and may cause loss of vehicle control, damage or personal injury.

```
   Model Select

< BACK >
1: VRoom
< Add New Model >
```

Model Utilities

In the Model Utilities function you can create a new model, delete a model, copy a model, reset a model to default settings and sort the model list. If the DX6 Rugged is updated, use the Validate All selection to ensure model settings are updated to be fully compatible with the new firmware. The Delete All selection will delete all model settings.

Model Utilities `LIST`
Create New Model
Delete Model
Copy Model
Reset Model
Sort Model List

Create New Model

1. Select the Create New Model and click the scroll wheel.
2. Select Create to create a new model or CANCEL to go back.
3. The new model is available in the model select list.

Model Utilities `LIST`
Create New Model
Delete Model
Copy Model
Reset Model
Sort Model List

Delete Model

Use this selection to permanently delete a model from the model select list. If you do not wish to delete a model, select CANCEL to exit the page.

1. To delete a model, highlight the model listed. Press OK, then slide to the model name. Press OK to select the model.
2. Select DELETE to delete the model.

Delete Model `BACK`
Model-1
2: New Model

DELETE
THIS MODEL?

CANCEL
DELETE
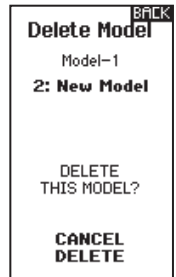
Copy Model

The Model Copy menu enables you to duplicate model programming from one Model List location to another.
Use Model Copy to:

- Save a default model copy before experimenting with programming values
- Expedite programming for a model using a similar programming setup

IMPORTANT: Copying a model program from one model memory to another will erase any programming in the "To" model memory.

To copy model programming:

1. Select where to save the copied memory by selecting "TO" and scroll to ADD NEW MODEL. Press OK to save the selection. To save over a current model, select that model from the list.
2. Select the model to be copied by selecting "From" and slide to the model to be copied.
3. Slide down to COPY at the bottom of the screen and press OK.
4. Confirm the copy by selecting COPY or CANCEL to go back.

Model Copy `LIST`
From 2
2: New Model
To 250
‹ **Add New Model** ›

CANCEL
COPY
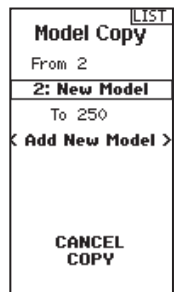
Reset Model

Use the Model Reset menu to delete all model programming in the active model memory. Reset returns all model settings to the default settings and erases all programming in the selected model.

IMPORTANT: After a model reset, it is necessary to re-bind.

Confirm Reset `BACK`
Model-2
2: New Model

DATA WILL
BE RESET

CANCEL
RESET
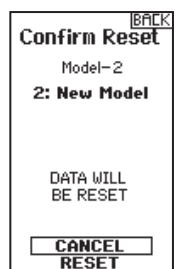
Sort Model List

With this function you can sort the model order in the model select function. This is helpful to group similar models together to make them easy to find. To move a model, highlight the model that you wish to move with the slide button, then press OK to select it. Use the slide button to move the selected model to the position desired. Press OK when you have the model in the position desired.
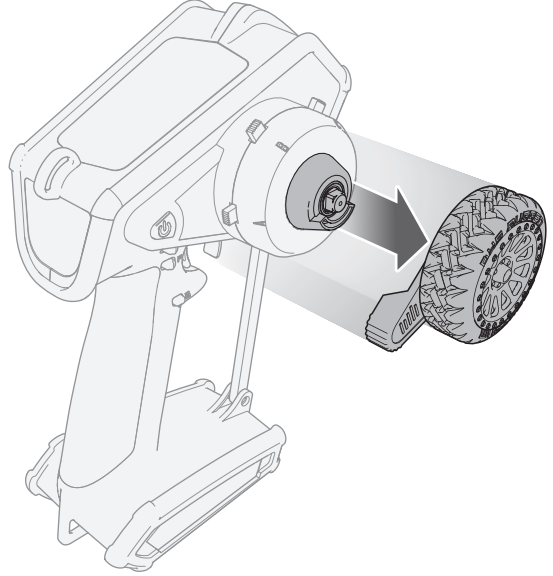
PHYSICAL TRANSMITTER ADJUSTMENTS

STEERING TENSION ADJUSTMENT

Turn the screw clockwise with a small Phillips screw driver to increase the steering tension.
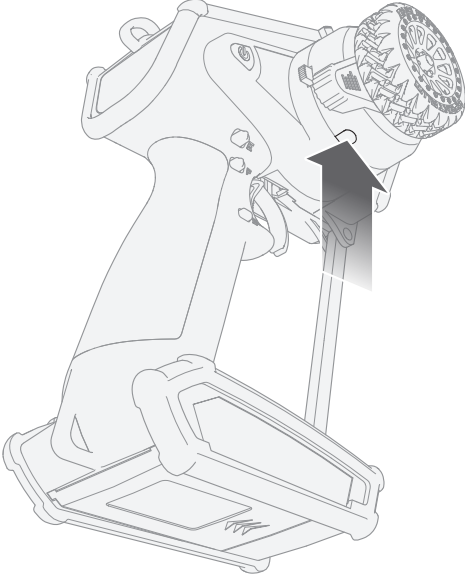
STANDARD WHEEL CONVERSION

1. Using a 1.5mm hex wrench, remove the steering wheel.
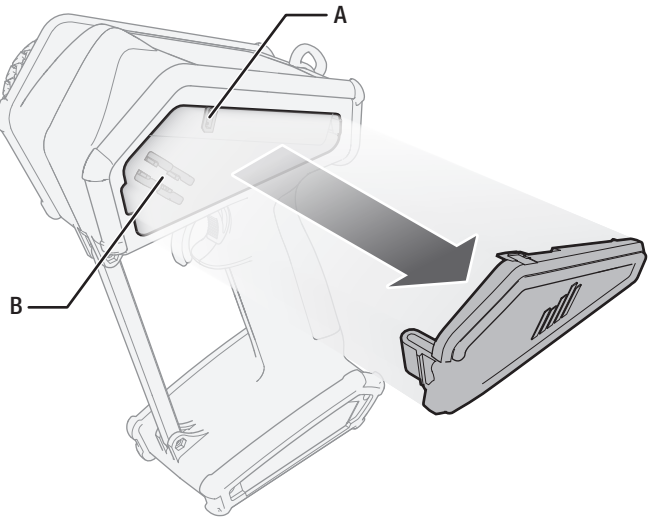2. Re-install the steering wheel.

ACCESSORY DOOR

Remove the accessory door on the DX6 Rugged for access to the data port and tool holder.

The data port **(A)** gives drivers access to future updates. Registering the transmitter is necessary for updates. Updates require a USB-C data cable (not included) and a PC.

The tool holder **(B)** is designed to hold common 4-way wrenches.

AVC TUNING *(AVC receiver not included)*

A value from 0 to 100 is used for three settings that affect tuning; steering gain, throttle gain, and priority. These values configure the receiver to your vehicle so you can tune it for optimal performance based on your driving style. It is normal for gain and priority tuning results to vary.

WHAT IS GAIN?

A gain value of 0 will result in zero electronic corrections, and a gain of 100 will result in large corrections in an effort to hold a straight line.

• Steering gain tells the receiver how strongly to assist steering when the vehicle begins to spin out of control.

• Throttle gain tells the receiver how much it can assist on the throttle when the vehicle begins to spin out of control.

Default gain values are 50. We recommend adjusting gain values 5 points at a time. Fine tune the settings with smaller increments as desired performance is achieved. Avoid large increases to steering gain values between tests.

WHAT IS PRIORITY?

Priority tells the receiver how much you want to be able to override the electronic stability with your steering commands. A low priority means AVC will make steering corrections when you turn wheel all the way. A high priority will reduce AVC the more you turn the wheel.

The default priority value is 100. This means when you turn the steering wheel to the limit, the gain is reduced to zero. This value will work well for a majority of drivers

WHAT IS HEADING HOLD?

Heading hold maintains the selected vehicle direction. It is normal to see the wheels steer in the same direction it was last pointed. If a vehicle with AVC technology is lifted off the ground and turned from side to side, the wheels will steer in an effort to get back to the original heading. When driving, heading hold only works when the steering wheel is left straight. The moment you begin to turn the wheel, heading hold turns off. When the wheel is re-centered, heading hold is turned back on.

AVC TUNING PROCEDURE

1. With the transmitter and receiver already bound and properly calibrated, turn on the transmitter and vehicle.

2. Apply throttle, do not turn the steering wheel, and observe how well the vehicle can maintain a straight line at high speed.

   • If the vehicle does not make enough steering corrections to maintain a straight line, increase the steering gain.
   If the vehicle fishtails due to wheel-spin, increase the throttle gain.

   • If the vehicle wobbles (oscillates), reduce the steering gain. The maximum gain values that prevent oscillations at high speed should not be exceeded.

3. Drive the vehicle through accelerated turns and observe how it responds.

   • If the vehicle slows down going into a turn, reduce the throttle gain.

   • To allow the vehicle to slide more with intentional wheel-spin, reduce the throttle gain.

   • To improve traction in slick conditions, increase throttle gain.

   • If the vehicle won't turn-in, increase the priority.

   • If the vehicle spins out, there are two tuning options to consider;
   1. Increasing throttle gain will help correct for undesirable wheel-spin when the vehicle over-rotates.
   2. Reducing priority will give the receiver more authority to help correct oversteer.

GENERAL TUNING TIPS

IMPORTANT: If you adjust the steering and throttle trim on your transmitter, the receiver must be turned off and back on again in order to save the new trim settings. Otherwise, AVC will not function properly.
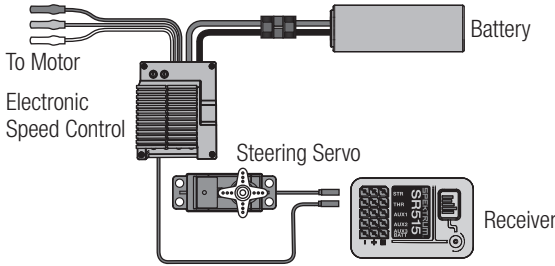
• For beginner drivers, looser conditions, and vehicles with excessive power, more gain will be helpful.

• For terrain with more grip and increased speeds, tuning will result in lower steering gain values.
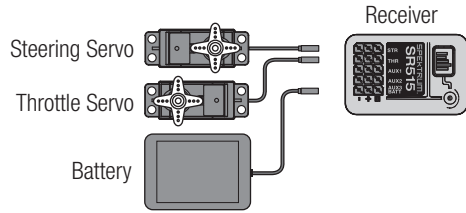
CHANGING BATTERY VOLTAGE

If the voltage is increased, the maximum steering gain setting will have to be reduced. At the same time, when increasing voltage, increased throttle gain will help manage the extra power.

For example: If a truck set up for 2S is upgraded to 3S, the truck may oscillate at high speeds on 3S, requiring steering gain to be reduced. Throttle gain will have a bigger effect on 3S, so increasing throttle gain may be beneficial.

SPEKTRUM SR515 SPORT SURFACE RECEIVER
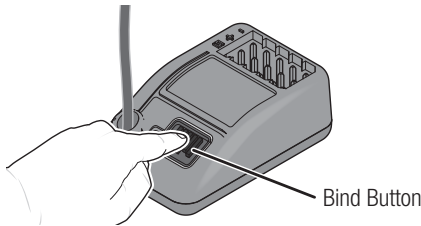
TYPICAL ELECTRIC VEHICLE INSTALLATION

Battery

To Motor

Electronic
Speed Control

Steering Servo

Receiver

BINDING

The SR515 receivers must be bound to the transmitter before they will operate. Binding is the process of teaching the receiver the specific code of the transmitter so it will only connect to that specific transmitter.

Bind Button

FAILSAFE

Failsafe position is set during binding. In the unlikely event that the radio link is lost during use, the receiver will drive all channels to its pre-programmed failsafe position.

Standard Mode

If loss of signal occurs, SmartSafe™ technology moves the throttle channel to its designated failsafe position (low throttle) that was set during binding. All other channels hold their last position. When the receiver detects signal from the transmitter, normal operation resumes.

Gas Mode

Preset failsafe is ideal for most nitro/gas vehicles. With preset failsafe, all channels go to their preset failsafe positions if the signal is lost, preventing an out of control situation. When the receiver detects signal from the transmitter, normal operation resumes.

Standard Mode	
1	Push and hold the bind button
2	Power on receiver
3	Release button after RX goes into bind mode (flashing LED)
4	Place transmitter in bind mode and finish binding

Gas Mode	
1	Push and hold bind button
2	Power on receiver, keep bind button depressed until binding is complete
3	Place transmitter in bind mode and finish binding
4	When the LED turns solid, power off the receiver, and then release the bind button

TYPICAL NITRO VEHICLE INSTALLATION

Steering Servo

Throttle Servo

Battery

Receiver

RECEIVER COMPATIBILITY

The SR515 receiver is compatible with Spektrum DSM2® and DSMR® radio control surface systems. Install the receiver in the position recommended by the vehicle's manufacturer. Double-sided tape or foam may be used to secure the receiver in place.
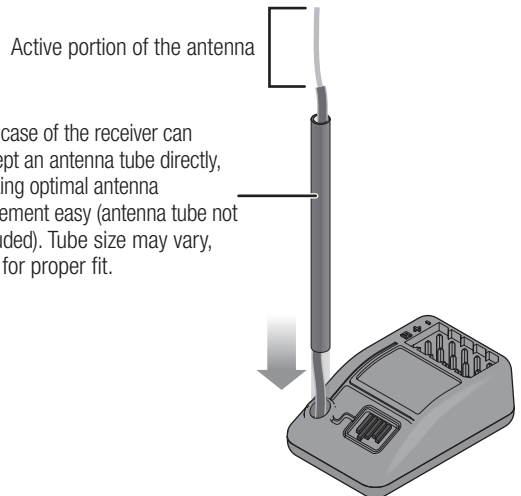
STR

THR

AUX1

AUX2

AUX 3/BATT*
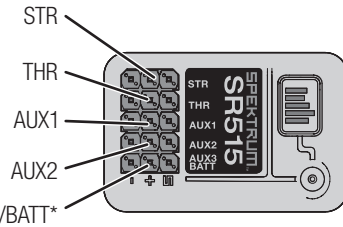
*IMPORTANT: AUX 3 on the SR515 shares the servo port with the battery. A Y harness (SPMA3008) is required on the AUX 3 port to use all 5 channels with a receiver battery.

RECEIVER ANTENNA

⚠ **WARNING:** Do not kink, cut or damage the antenna wire. The antenna is made of a coaxial wire. If the outer sheath becomes damaged, the receiver will not work properly. If the antenna is damaged in any way, replace the antenna before attempting to use the receiver.

The SR515 receiver features a coaxial antenna design for easy installation in almost any model. Think of the last 1 inch (32mm) on the tip of the antenna as the active portion of the antenna, the coaxial portion leading up to it is just an extension. Install the antenna so the active portion is positioned as high as possible in the vehicle, and not "in the shadow" of any carbon fiber or metal.

Active portion of the antenna

The case of the receiver can accept an antenna tube directly, making optimal antenna placement easy (antenna tube not included). Tube size may vary, test for proper fit.

TROUBLESHOOTING GUIDE

PROBLEM	POSSIBLE CAUSE	SOLUTION
The system will not connect	Transmitter and receiver too near each other	Move transmitter 8 to 12 feet (2.4 to 3.6m) from receiver
	Transmitter and receiver too near large metal objects (vehicles, etc.)	Move away from large metal objects (vehicles, etc.)
	Selected model is not bound in transmitter	Make sure correct model memory is selected and that transmitter is bound to the model
	Transmitter accidentally put in bind mode so receiver is no longer bound	Rebind transmitter and receiver
	Bind plug left installed in bind port	Rebind transmitter to the vehicle and remove the bind plug before cycling power
	Vehicle battery/Transmitter battery charge is too low	Replace/recharge batteries
The receiver goes into failsafe mode a short distance away from the transmitter	Check the receiver antenna to be sure it is not cut or damaged	Replace or contact Horizon product Support
		Make sure receiver antenna is in an antenna tube and is above vehicle
Receiver quits responding during operation	Low battery voltage	Completely recharge battery
	Loose or damaged wires or connectors between battery and receiver	Do a check of the wires and connection between battery and receiver. Repair or replace wires and/or connectors
Receiver loses its bind	Transmitter accidentally put in bind mode, ending bind to receiver	Bind transmitter to receiver
Can't assign functions to the desired switches or buttons	Buttons and/or switches are already assigned to another function	Re-assign functions to other buttons or switches to free up the switch so it can be assigned to your designated function
	Function requires a switch or trimmer, buttons have limited functionality	Select a switch or trimmer if your designated function will not work with a button.

AVC TROUBLESHOOTING GUIDE

PROBLEM	POSSIBLE CAUSE	SOLUTION
Vehicle Oscillates (wobbles or shakes) at high speeds	Steering gain is too high	Reduce steering gain
Vehicle responds strangely to controls	Receiver not properly calibrated	Confirm servo direction and travel are correct, then re-bind and re-calibrate the receiver
	Vehicle setup changed after calibration	
	Receiver not mounted level	Confirm the receiver is truly flat, it cannot be mounted at an odd angle.
Receiver won't finish the calibration	Travel adjust is below 80% on steering or throttle	Increase travel adjust and recalibrate.
Driver expects AVC should be turned off, but it is still turned on	AVC menu is inhibited, but AUX values are at neutral, which works out to 50% gain but with no priority.	Bind with second bind plug in the disable port, or change AVC menu to on and set all gain values to 0
	Second bind plug to disable AVC was inserted after binding	Re-bind with the second bind plug in the disable port

1-YEAR LIMITED WARRANTY

What this Warranty Covers

Horizon Hobby, LLC, (Horizon) warrants to the original purchaser that the product purchased (the "Product") will be free from defects in materials and workmanship for a period of 1 year from the date of purchase.

What is Not Covered

This warranty is not transferable and does not cover (i) cosmetic damage, (ii) damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or due to improper use, installation, operation or maintenance, (iii) modification of or to any part of the Product, (iv) attempted service by anyone other than a Horizon Hobby authorized service center, (v) Product not purchased from an authorized Horizon dealer, (vi) Product not compliant with applicable technical regulations or (vii) use that violates any applicable laws, rules, or regulations.

OTHER THAN THE EXPRESS WARRANTY ABOVE, HORIZON MAKES NO OTHER WARRANTY OR REPRESENTATION, AND HEREBY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE PURCHASER ACKNOWLEDGES THAT THEY ALONE HAVE DETERMINED THAT THE PRODUCT WILL SUITABLY MEET THE REQUIREMENTS OF THE PURCHASER'S INTENDED USE.

Purchaser's Remedy

Horizon's sole obligation and purchaser's sole and exclusive remedy shall be that Horizon will, at its option, either (i) service, or (ii) replace, any Product determined by Horizon to be defective. Horizon reserves the right to inspect any and all Product(s) involved in a warranty claim. Service or replacement decisions are at the sole discretion of Horizon. Proof of purchase is required for all warranty claims. SERVICE OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY.

Limitation of Liability

HORIZON SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR PRODUCTION OR COMMERCIAL LOSS IN ANY WAY, REGARDLESS OF WHETHER SUCH CLAIM IS BASED IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR ANY OTHER THEORY OF LIABILITY, EVEN IF HORIZON HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Further, in no event shall the liability of Horizon exceed the individual price of the Product on which liability is asserted. As Horizon has no control over use, setup, final assembly, modification or misuse, no liability shall be assumed nor accepted for any resulting damage or injury. By the act of use, setup or assembly, the user accepts all resulting liability. If you as the purchaser or user are not prepared to accept the liability associated with the use of the Product, purchaser is advised to return the Product immediately in new and unused condition to the place of purchase.

Law

These terms are governed by Illinois law (without regard to conflict of law principals). This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Horizon reserves the right to change or modify this warranty at any time without notice.

WARRANTY SERVICES

Questions, Assistance, and Services

Your local hobby store and/or place of purchase cannot provide warranty support or service. Once assembly, setup or use of the Product has been started, you must contact your local distributor or Horizon directly. This will enable Horizon to better answer your questions and service you in the event that you may need any assistance. For questions or assistance, please visit our website at www.horizonhobby.com, submit a Product Support Inquiry, or call the toll free telephone number referenced in the Warranty and Service Contact Information section to speak with a Product Support representative.

Inspection or Services

If this Product needs to be inspected or serviced and is compliant in the country you live and use the Product in, please use the Horizon Online Service Request submission process found on our website or call Horizon to obtain a Return Merchandise Authorization (RMA) number. Pack the Product securely using a shipping carton. Please note that original boxes may be included, but are not designed to withstand the rigors of shipping without additional protection. Ship via a carrier that provides tracking and insurance for lost or damaged parcels, as Horizon is not responsible for merchandise until it arrives and is accepted at our facility. An Online Service Request is available at http://www.horizonhobby.com/content/service-center_render-service-center. If you do not have internet access, please contact Horizon Product Support to obtain a RMA number along with instructions for submitting your product for service. When calling Horizon, you will be asked to provide your complete name, street address, email address and phone number where you can be reached during business hours. When sending product into Horizon, please include your RMA number, a list of the included items, and a brief summary of the problem. A copy of your original sales receipt must be included for warranty consideration. Be sure your name, address, and RMA number are clearly written on the outside of the shipping carton.

NOTICE: Do not ship LiPo batteries to Horizon. If you have any issue with a LiPo battery, please contact the appropriate Horizon Product Support office.

Warranty Requirements

For Warranty consideration, you must include your original sales receipt verifying the proof-of-purchase date. Provided warranty conditions have been met, your Product will be serviced or replaced free of charge. Service or replacement decisions are at the sole discretion of Horizon.

Non-Warranty Service

Should your service not be covered by warranty, service will be completed and payment will be required without notification or estimate of the expense unless the expense exceeds 50% of the retail purchase cost. By submitting the item for service you are agreeing to payment of the service without notification. Service estimates are available upon request. You must include this request with your item submitted for service. Non-warranty service estimates will be billed a minimum of ½ hour of labor. In addition you will be billed for return freight. Horizon accepts money orders and cashier's checks, as well as Visa, MasterCard, American Express, and Discover cards. By submitting any item to Horizon for service, you are agreeing to Horizon's Terms and Conditions found on our website http://www.horizonhobby.com/content/service-center_render-service-center.

ATTENTION: Horizon service is limited to Product compliant in the country of use and ownership. If received, a non-compliant Product will not be serviced. Further, the sender will be responsible for arranging return shipment of the un-serviced Product, through a carrier of the sender's choice and at the sender's expense. Horizon will hold non-compliant Product for a period of 60 days from notification, after which it will be discarded.

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WARRANTY AND SERVICE CONTACT INFORMATION

Country of Purchase	Horizon Hobby	Contact Information	Address
United States of America	Horizon Service Center (Repairs and Repair Requests)	servicecenter.horizonhobby.com/RequestForm/	2904 Research Road Champaign, Illinois, 61822 USA
	Horizon Product Support (Product Technical Assistance)	productsupport@horizonhobby.com 877-504-0233	
	Sales	websales@horizonhobby.com 800-338-4639	
EU	Horizon Technischer Service	service@horizonhobby.eu	Hanskampring 9 D 22885 Barsbüttel, Germany
	Sales: Horizon Hobby GmbH	+49 (0) 4121 2655 100	

FCC INFORMATION

Contains FCC ID: BRWPLANO1T
FCC ID: BRWSRIRVINGV1

This equipment complies with FCC and IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and/or antenna and your body (excluding fingers, hands, wrists, ankles and feet). This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Supplier's Declaration of Conformity

Spektrum DX6 Rugged Surface Transmitter with SR515 Receiver (SPM6215): This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

⚠ **CAUTION:** changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.

Horizon Hobby, LLC
2904 Research Rd.,
Champaign, IL 61822
Email: compliance@horizonhobby.com
Web: HorizonHobby.com

IC INFORMATION

CAN ICES-3 (B)/NMB-3(B)
Contains IC: 6157A-PLANO1T
IC: 6157A-SRIRVINGV1

This device complies with ISED licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

COMPLIANCE INFORMATION FOR THE EUROPEAN UNION

EU Compliance Statement:
Spektrum DX6 Rugged Surface Transmitter with SR515 Receiver (SPM6215): Hereby, Horizon Hobby, LLC declares that the device is in compliance with the following: EU Radio Equipment Directive 2014/53/EU; RoHS 2 Directive 2011/65/EU; RoHS 3 Directive - Amending 2011/65/EU Annex II 2015/863.

The full text of the EU declaration of conformity is available at the following internet address: https://www.horizonhobby.com/content/support-render-compliance.

NOTE: This product contains batteries that are covered under the 2006/66/EC European Directive, which cannot be disposed of with normal household waste. Please follow local regulations.

Wireless Frequency Range and Wireless Output Power:
Frequency Band: 2402-2478MHz
Max EIRP: 20 dBm

EU Manufacturer of Record:
Horizon Hobby, LLC
2904 Research Road
Champaign, IL 61822 USA
**EU Importer of Record:**
Horizon Hobby, GmbH
Hanskampring 9
22885 Barsbüttel Germany
WEEE NOTICE:

This appliance is labeled in accordance with European Directive 2012/19/EU concerning waste of electrical and electronic equipment (WEEE). This label indicates that this product should not be disposed of with household waste. It should be deposited at an appropriate facility to enable recovery and recycling.
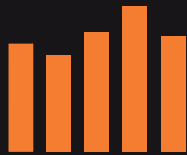
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