	set up your limiting. Throttle Speed determines the percentage of full speed that is applied to the throttle movements that are above the throttle trigger setting. 100 is maximum servo movement rate. 1 is minimum rate. Default is 100 (full speed). Brake Speed determines the percentage of full speed that is applied to braking movements that are above the trigger setting. 100 is maximum servo movement rate. 1 is minimum rate. Default is 100 (full speed). Throttle Trigger sets the minimum amount of control input before the speed limiter becomes active. At 0%, limiting is always active (input is always >= 0%). At 50%, limiting is only active if the throttle is on half way or more. Brake Trigger sets the minimum amount of control input before the speed limiter becomes active. At 0%, limiting is always active (input is always >= 0%). At 50%, limiting is only active if the brake is on half way or more.

Changing the Throttle Speed

Use the navigation controls to change the steering servo type as follows:

1. Access the top function menu from the driving screen.

2. Navigate to the **Steering (Ch1)** menu.

or

then

3. Navigate to **Throttle Speed**.

or

4. Change the values.

or

Value	Description
Throttle Speed	The amount of limiting applied to servo throttle motion once the trigger amount has been exceeded.
Brake Speed	The amount of limiting applied to servo brake motion once the trigger amount has been exceeded.
Throttle Trigger	The percentage of full throttle range that will be limited.
Brake Trigger	The percentage of full braking range that will be limited.

Interaction with other Settings

Servo Speed is applied after Expo. The trigger levels refer to the curved input value.

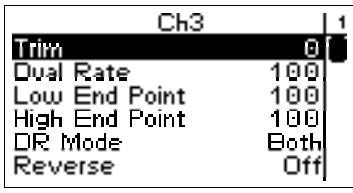
ABS is applied after Brake Speed, so Brake Speed can limit how quickly the brake input moves to the ABS Active region, but once there ABS pulses happen at full speed.

Servo Speed is applied after AutoStart, so if the AutoStart Level is set higher than the Throttle Speed Trigger, the servo movement will be slowed.

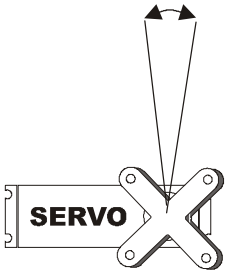
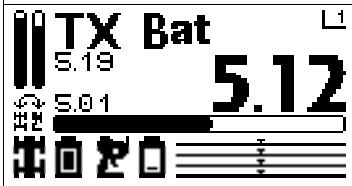
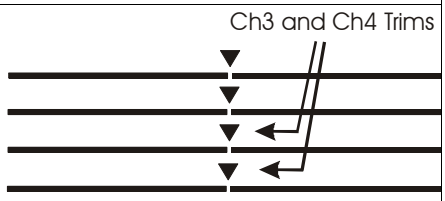
Idle Up only takes effect when the trigger is centered. Throttle Speed can slow down the return to center, and therefore slow down Idle Up activation. Once Idle Up is started, the servo will jump to the set position.

Channel 3 and Channel 4 Servo Functions

Each of these servos can be used as a number of auxiliary functions such as shifting or acting as a second braking or steering servo. The following illustration shows the function menu structure for Channel 3 (Shift) and Channel 4 (Power):



Channels 3 / 4 Servo Trim

	Channel 3 and Channel 4 servo trim adjusts the resting (centered) positions of the servos. When initially setting up the vehicle, the shift servo trim setting should be set to 0. On the servo, the servo horn should be positioned as appropriate on the servo.	
	On the driving screen, Channel 3 and Channel 4 servo trims are represented by the position of the pointers on the bottom bars.	

Changing the servo trim has the following visual effect on the driving screen bars:

	Servo trim is centered in range (value = 0)
	Servo trim is offset to high end (+ve value)
	Servo trim is offset to low end (-ve value)

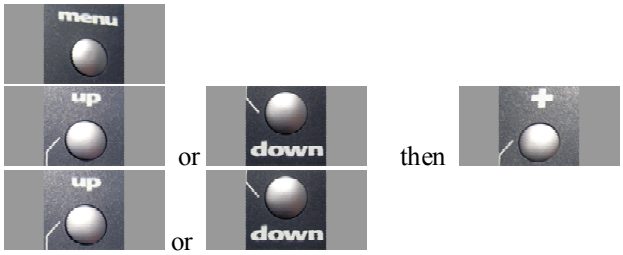
Adjusting Channel 3 / 4 Servo Trims

Use the navigation controls to adjust shift servo trim as follows:

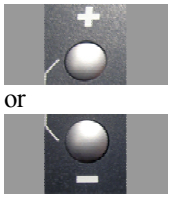
1. Access the top function menu from the driving screen.

2. Navigate to the **Channel 3** or **Channel 4** menu.

3. Navigate to **Trim**.



4. Change the value.

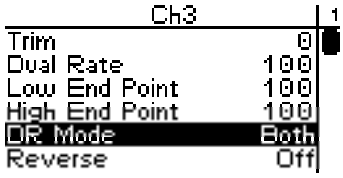
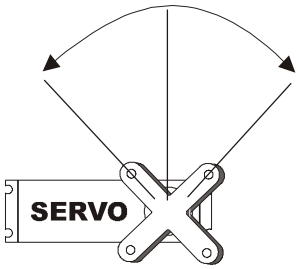
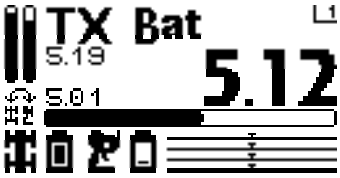
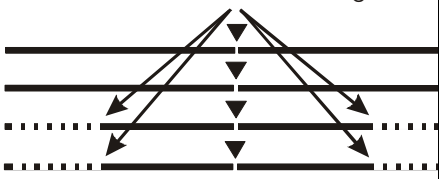


Value	Description
0	Shift servo trim is centered within the servo range.
-ve value (-100 → -1)	Shift servo trim is to the LOW end.
+ve value (1 → 100)	Shift servo trim is to the HIGH end.

Trim and EPA Interaction

A trim (or sub-trim) setting of 100 is equivalent to an End point setting of 50.

Channel 3 / 4 Servo Dual Rate

	Channel 3 and Channel 4 servo dual rates adjust the range of servo movement when the grip buttons are activated. The servo dual rate value is applied to both low and high ends, and is expressed as a percentage of servo range (configured by end point adjustments).	
	On the driving screen, servo dual rate range is represented by the solid length of the bottom bar. The total length of the bar (solid and dotted) represents the servo range. The length of the solid bar represents the servo range as set by the dual rate value.	Ch3 / Ch4 Dual Rate Ranges 

Changing the dual rate setting has the following visual effect on the driving screen bars:

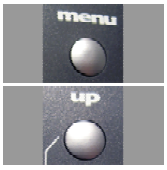
	Full servo range is used.
	Lower dual rate value reduces servo range.

Adjusting Channel 3 /4 Servo Dual Rate

Use the navigation controls to adjust servo dual rate as follows:

1. Access the top function menu from the driving screen.

2. Navigate to the **Channel 3** or **Channel 4** menu.



or

then

3. Navigate to **Dual Rate**.

or

4. Change the value.

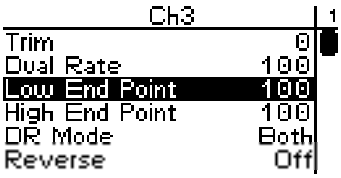
or

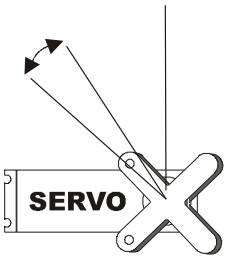
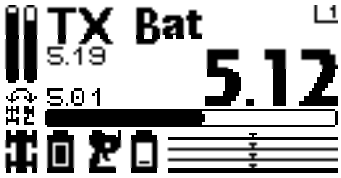
Value	Description
0	Servo range is set to minimum (0%).
1-99	Servo range is set to a percentage of full range. For example, value “50” gives 50% of full servo range.
100	Servo range is set to full (100%)

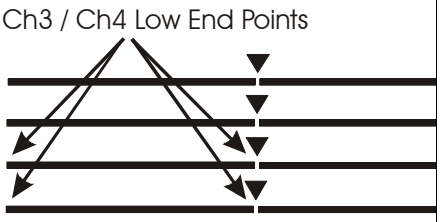
Dual Rate and End Point Adjustment

Full servo range is determined by the shift servo low and high end point adjustments. The dual rate value determines the relative servo range between the low and high end points. The servo will never move beyond the set end point adjustments, no matter what dual rate setting is applied.

Low End Point

<table>
<tr>
<td> 
</td>
<td>The servo low end point value adjusts the shift servo’s starting position at reset. This is intended to be low gear and goes with the downshift sound event (reverse the servo if this is not the case on your model). The end point adjustments should be adjusted prior to other settings.

The low end point is set independently of the high end point (which adjusts how far the servo moves to the HIGH end).</td>
<td> 
</td>
</tr>
<tr>
<td> 
</td>
<td>On the driving screen, the low end point is represented by the length of the bar to the left of the pointer on the lower bar. The greater the left length of the bar, the greater the low end point value.

The position of the pointer on the bar is affected by end point settings (low and high) and trim setting.</td>
<td> 
</td>
</tr>
<tr>
<td> </td>
<td colspan="2">Low end point value is approximately the same as the high end point value.</td>
</tr>
</table>

	Increased low end point value (more servo travel on LOW end is possible).
	Decreased low end point value (less servo travel on LOW end is possible).

The position of the pointer on the bar is affected by end point settings (low and high) and trim setting; increasing the low end point value may visually appear to have the same effect as decreasing the high end point value.

An end point setting of 100 (the default) is typical for most servos, and should always be used for ESCs. Larger setting values will overdrive most servos

Adjusting the Low End Point

The low end point value is a relative value, and is expressed as the percentage of full travel to the LOW end.

Use the navigation controls to adjust the low end point as follows:

1. Access the top function menu from the driving screen.

2. Navigate to the **Channel 3** or **Channel 4** menu.

or

then

3. Navigate to **Low End Point**.

or

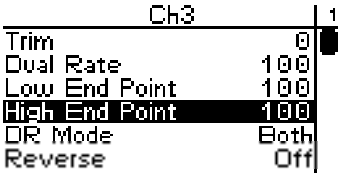
4. Change the value.

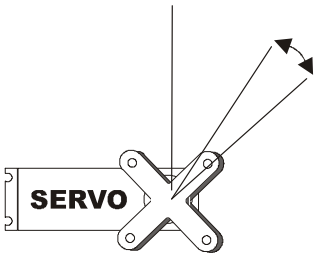
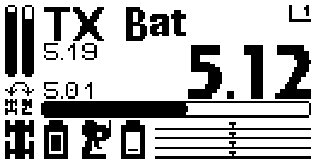
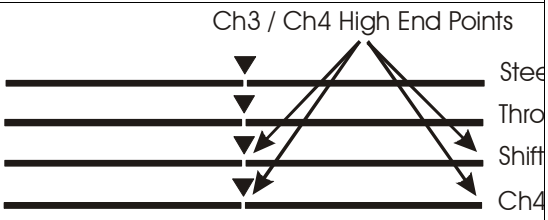
or

Value	Description
0	Minimum low end point; allows NO travel to low end.
1-199	Low end point value is set to a percentage of travel range to low end.
200	Maximum low end point (will overdrive most servos)

Trim and EPA Interaction
A trim (or sub-trim) setting of 100 is equivalent to an End point setting of 50.

High End Point

<table>
<tr>
<td> 
</td>
<td>The shift servo high end point value adjusts the servo’s ending position after shifting upwards. This is intended to be high gear and goes with the upshift sound event (reverse the servo if this is not the case on your model). The end point adjustments should be adjusted prior to other settings.

The high end point is set independently of the low end point (which adjusts how far the servo moves to the LOW turns end).</td>
<td> 
</td>
</tr>
<tr>
<td> 
</td>
<td>On the driving screen, the high end point is represented by the length of the bar to the right of the pointer on the upper bar. The greater the right length of the bar, the greater the high end point value.</td>
<td> 
</td>
</tr>
</table>

	The position of the pointer on the bar is affected by end point settings (low and high) and trim setting.	

Changing the high end point value has the following visual effect on the driving screen bars.

	High end point value is approximately the same as the low end point value.
	Increased high end point value (more servo travel on HIGH end is possible).
	Decreased high end point value (less servo travel on HIGH end is possible).

The position of the pointer on the bar is affected by end point settings (low and high) and trim setting; increasing the high end point value may visually appear to have the same effect as decreasing the low end point value.

An end point setting of 100 (the default) is typical for most servos, and should always be used for ESCs. Larger setting values will overdrive most servos

Adjusting the High End Point

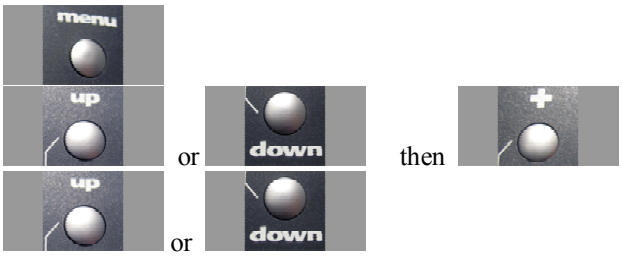
The high end point value is a relative value, and is expressed as the percentage of full travel to the HIGH end.

Use the navigation controls to adjust the high end point as follows:

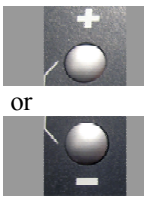
1. Access the top function menu from the driving screen.

2. Navigate to the **Channel 3** or **Channel 4** menu.

3. Navigate to **High End Point**.



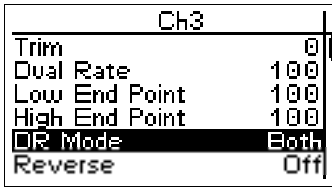
4. Change the value.



Value	Description
0	Minimum high end point; allows NO travel to high end.
1-199	High end point value is set to a percentage of travel range to high end.
200	Maximum high end point (will overdrive most servos)

Trim and EPA Interaction
A trim (or sub-trim) setting of 100 is equivalent to an End point setting of 50.

Channel 3 / 4 Dual Rate Mode



Dual Rate Mode controls the behavior of the Dual Rate setting for the channel 3 and channel 4 servos.

Changing the Channel 3 / 4 Dual Rate Mode

Use the navigation controls to change the dual rate mode as follows:

1. Access the top function menu from the driving screen.

2. Navigate to the **Channel 3** or **Channel 4** menu.

or

then

3. Navigate to **DR Mode**.

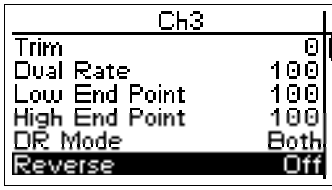
or

4. Change the value.

or

Value	Description
Both	Dual rate affects travel in both direction
Throttle	Dual rate affects throttle travel only. Useful to limit throttle inputs early in a run with an electric model. Only meaningful if the servo mode is Thr/Brake.
Brake	Dual rate affects brake travel only. Useful to adjust brakes on a nitro vehicle without affecting throttle travel. Only meaningful if the servo mode is Thr/Brake.

Channel 3 /4 Servo Reverse



Servo reversing reverses the direction the shift servo moves upon receiving an input from the grip buttons.

Changing the Channel 3 / 4 Servo Reverse Setting

Use the navigation controls to change the servo reverse setting as follows:

1. Access the top function menu from the driving screen.

2. Navigate to the **Channel 3** or **Channel 4** menu.

or

then

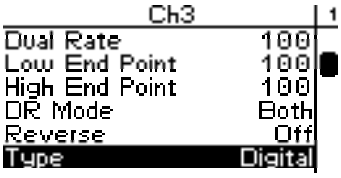
3. Navigate to **Servo Reverse**.

or

4. Change the value.

Value	Description
Off	Standard servo direction.
On	Reversed servo direction.

Channel 3 / 4 Servo Type



Servo type lets you select the type of servo (analog or digital) in the vehicle. Analog servos are sent signals at 50 frames/sec, while Digital servos are sent signals at 100 frames/sec.

If you are running an electric car with an ESC, it may perform better with the digital setting. Some ESCs may not operate at all with the higher frame rate. Try both settings and choose the best performance.

Changing the Channel 3 / 4 Servo Type

Use the navigation controls to change the shift servo type as follows:

1. Access the top function menu from the driving screen.

2. Navigate to the **Channel 3** or **Channel 4** menu.

or

then

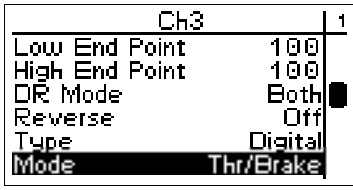
3. Navigate to **Servo Type**.

or

4. Change the value.

Value	Description
Analog	Shift servo is analog.
Digital	Shift servo is digital.

Channel 3 / 4 Servo Model



Shift servo mode controls the behavior of the channel 3 and channel 4 servos.

Changing the Channel 3 / 4 Servo Mode

Use the navigation controls to change the servo mode as follows:

1. Access the top function menu from the driving screen.

2. Navigate to the **Channel 3** or **Channel 4** menu.

or

then

3. Navigate to **Mode**.

or

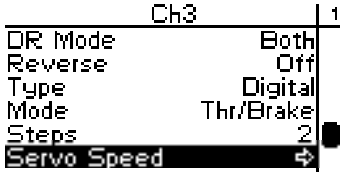
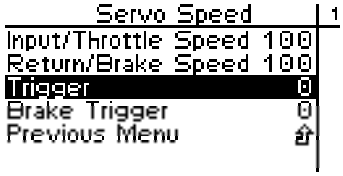
4. Change the value.

or

Value	Description
Off	No action; shift servo stays at trim position.
Toggle	Shift servo starts at Low. Pressing the grip button moves the shift servo to High. Releasing and pressing the grip button again moves the shift servo back to Low.
Hold	Servo starts at Low. Holding the grip button moves the shift servo to High. Releasing the grip button moves the servo back to Low.
4WS	4-wheel steering mode. Shift servo output is controlled by the steering wheel, just like the steering servo.
Thr/Brake	Throttle/Brake mode. Shift servo output is controlled by the trigger, just like the Throttle servo

Note: In 4WS or Thr/Brake mode the settings on this screen (End Points, Dual Rate, Trim, Reverse, Type, and Servo Speed) still take effect. However, the Expo setting from the master channel is also used. For Thr/Brake mode, Auto Start, Idle Up, and ABS also apply.

Channel 3 / 4 Servo Speed

	Input/Throttle Speed determines the percentage of full speed that is applied to the throttle movements that are above the throttle trigger setting. 100 is maximum servo movement rate. 1 is minimum rate. Default is 100 (full speed). Return/Brake Speed determines the percentage of full speed that is applied to braking movements that are above the trigger setting. 100 is maximum servo movement rate. 1 is minimum rate. Default is 100 (full speed).
	Trigger sets the minimum amount of control input before the speed limiter becomes active. At 0%, limiting is always active (input is always >= 0%). At 50%, limiting is only active if the throttle is on half way or more. Brake Trigger sets the minimum amount of control input before the speed limiter becomes active. At 0%, limiting is always active (input is always >= 0%). At 50%, limiting is only active if the brake is on half way or more.
Shift Servo mode set for 4WS	Shift Servo mode set for Thr/Brake
Input/Throttle Speed acts as Input Speed Return/Brake Speed acts as Return Speed Trigger acts as Trigger Brake Trigger is not used	Input/Throttle Speed is Throttle Speed Return/Brake Speed acts as Brake Speed Trigger acts as Throttle Trigger Brake Trigger acts as Brake Trigger

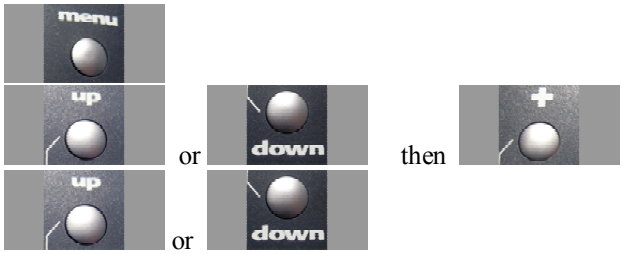
Changing the Channel 3 / 4 Servo Speed

Use the navigation controls to change the steering servo type as follows:

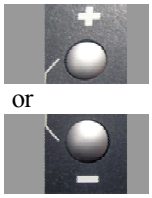
1. Access the top function menu from the driving screen.

2. Navigate to the **Channel 3** or **Channel 4** menu.

3. Navigate to **Throttle Speed**.



4. Change the values.



Value	Description
Input/Throttle Speed	The amount of limiting applied to servo throttle motion once the trigger amount has been exceeded.
Return/Brake Speed	The amount of limiting applied to servo brake motion once the trigger amount has been exceeded.
Trigger	The percentage of full throttle range that will be limited.
Brake Trigger	The percentage of full braking range that will be limited.

Interaction with other Settings

Servo Speed is applied after Expo. The trigger levels refer to the curved input value.

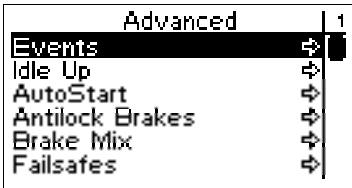
ABS is applied after Brake Speed, so Brake Speed can limit how quickly the brake input moves to the ABS Active region, but once there ABS pulses happen at full speed.

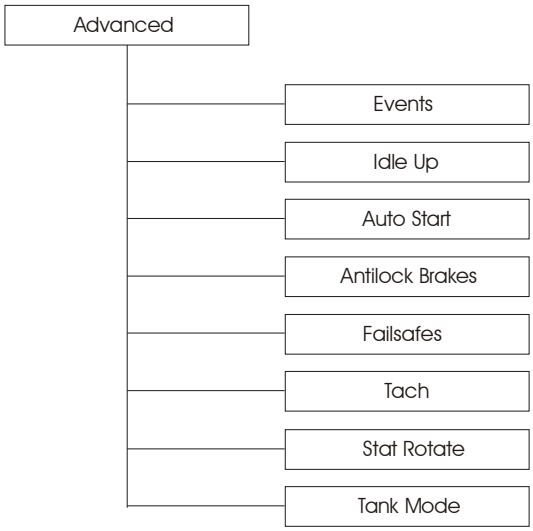
Servo Speed is applied after AutoStart, so if the AutoStart Level is set higher than the Throttle Speed Trigger, the servo movement will be slowed.

Idle Up only takes effect when the trigger is centered. Throttle Speed can slow down the return to center and therefore slow down Idle Up activation. Once Idle Up is started, the servo will jump to the set position.

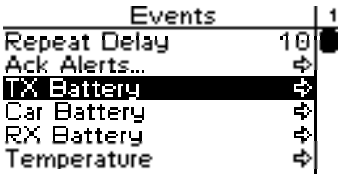
Advanced Features

The following illustration shows the function menu structure for the advanced functions:





Events



The Events menu is where you control the feedback and alerts that the React delivers to you, based on Reacts and user actions.

Note that you configure the actual vibration patterns which are triggered by these events through the Digital RC Desktop software on your PC.

Some events have an alert setting that controls how the React alerts you when that event occurs.

Each event also has a level, which controls what trigger sets off the event. The meaning of the level setting varies with each event, and is documented in the table below.

Event Summary

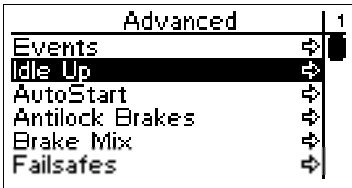
For each Event, the “Affects” column shows which Vibration Patterns and Sounds in the RC Desktop are tied to that event.

The units for Speed and Temperature are based on the Units setting in the Controller setup menu.

Event	Level	Default	Affects	Description

TX Battery	(0.0– 10.0 volts)	4.1 volts	Vibe: TxBat Vibe	Low Transmitter battery voltage warning
Car Battery	Car (0.0 – 20.0 volts)	7.0 volts	Vibe: CarBat Vibe	Low car battery voltage warning
RX Battery	RX (0.0 – 10.0 volts)	4.1 volts	Vibe: RXBat Vibe	Low receiver battery voltage warning
Temperature	(0-450 degrees)	270 degrees	Vibe: Temp Vibe	Over-temperature warning. One level for each temperature sensor port (4 total)
Speed	(0-200)	55	Vibe: Temp Vibe	Speed threshold notification
Connection	N/A		Vibe: Connect Vibe, Disconnect Vibe	Notification when connecting to or disconnecting from transceiver
Alert Over	N/A		Vibe: Alert Over Vibe	Notification when a sensor returns to normal operating range after an alert
Startup	N/A		Vibe: Startup Vibe	Action at power-up, during splash screen display
Menu	N/A		Vibe: Click Vibe, Save Vibe, Prompt Vibe	Notification when navigating through menu system, clicking keys and saving settings
Shift	N/A		Vibe: Shift Vibe	Notification when the shift (grip) button is pressed
Trim	N/A			Notification when user adjusts the trim positions

Idle Up



Idle Up changes the throttle servo position when the trigger is centered, it has no affect at other trigger positions. When Idle Up -> Active is On and the trigger is centered, the throttle moves to Idle Up -> Level percent. This is typically used to warm up a nitro engine by running it at high idle (just shy of the clutch engaging).

Configuring Idle Up

Use the navigation controls to configure Idle Up as follows:

1. Access the top function menu from the driving screen.

2. Navigate to the **Advanced** menu.

or

then

2. Navigate to the **Idle Up** submenu.

or

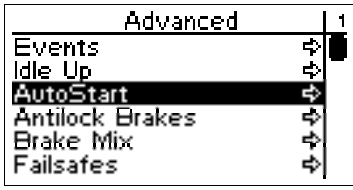
then

4. Change the values.

or

Value	Description
Active	Controls whether the Idle Up feature is being used
Level	The position (-100 to +100) to which the throttle should go when idling

AutoStart



Configuring AutoStart

Use the navigation controls to configure AutoStart as follows:

1. Access the top function menu from the driving screen.

2. Navigate to the **Advanced** menu.

or

then

2. Navigate to the **Idle Up** submenu.

or

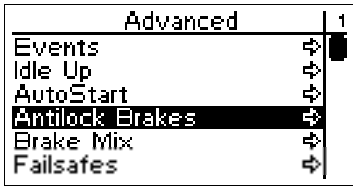
then

4. Change the values.

or

Value	Description
Armed	Enables or disables the AutoStart function
Level	The position (1 to +100) at which the throttle is to be maintained during AutoStart
Trigger	The percentage of trigger pull (1-100%) at which AutoStart engages

Antilock Braking System (ABS)



React supports ABS brakes to give better traction during stopping.

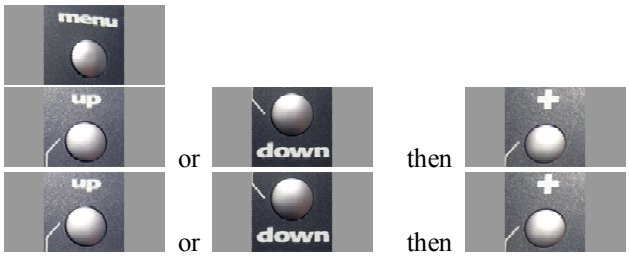
Configuring ABS

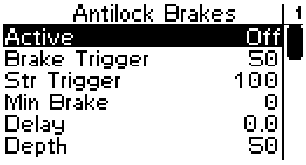
Use the navigation controls to configure ABS as follows:

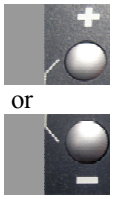
1. Access the top function menu from the driving screen.

2. Navigate to the **Advanced** menu.

3. Navigate to the **ABS** submenu.

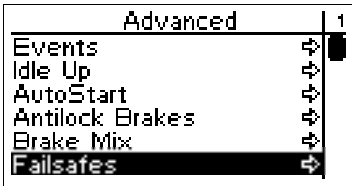






Value	Description
Active	Enables or disables ABS
Trigger	A percentage (1-100%, default 50) indicating the braking threshold above which ABS is triggered
Delay	The time in seconds (0.0-2.0, default 0) the brake must be above the trigger level before ABS engages
Depth	A percentage (1-100, default 50) indicating the reduction in braking force during the ABS coast phase. Setting Depth to 100% returns to full coast between brake pulses; setting Depth to 0% leaves braking force unchanged (this effectively disables ABS).
Brake Time	When ABS is engaged, time in seconds (0.1-5.0, default 1.0) during which brakes are applied at full strength
Coast Time	When ABS is engaged, time in seconds (0.1-5.0, default 1.0) during which brake pressure is reduced

Failsafes



You can set up the failsafe positions of the servos so that in the event of loss of signal, the servos go to their set failsafe positions. Default failsafe positions are centered steering and trim.

You should always set your failsafe positions after

	making changes to your model, and should test your settings before driving.

Setting Failsafe Modes

Use the navigation controls to set the failsafe modes as follows:

1. Access the top function menu from the driving screen.

2. Navigate to the **Advanced** menu.

3. Navigate to the **Failsafe** menu.

4. Navigate to **Steering**.

5. Change the steering servo failsafe setting.

6. Navigate to **Throttle**.

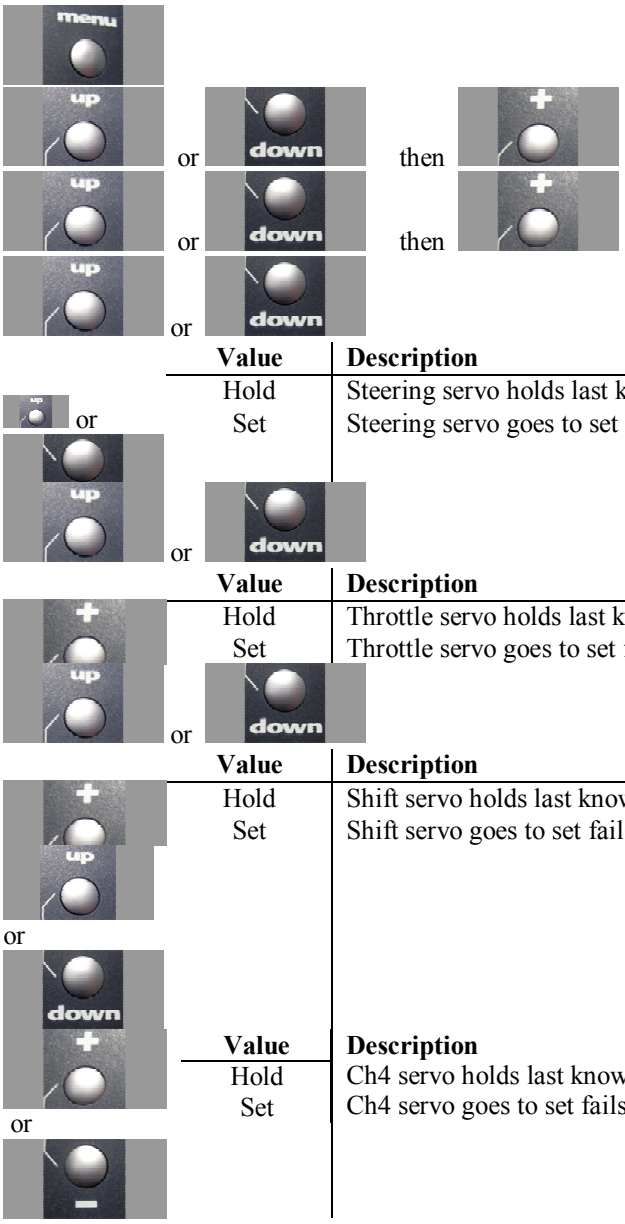
7. Change the throttle servo failsafe setting.

8. Navigate to **Channel 3**.

9. Change the shift servo failsafe setting.

10. Navigate to **Ch4**.

11. Change the Ch4 servo failsafe setting.



Value	Description
Hold	Steering servo holds last known position.
Set	Steering servo goes to set failsafe position.

Value	Description
Hold	Throttle servo holds last known position.
Set	Throttle servo goes to set failsafe position.

Value	Description
Hold	Shift servo holds last known position.
Set	Shift servo goes to set failsafe position.

Value	Description
Hold	Ch4 servo holds last known position.
Set	Ch4 servo goes to set failsafe position.

Setting Failsafe Positions

Use the navigation controls to set the failsafe positions as follows:

1. Access the top function menu from the driving screen.

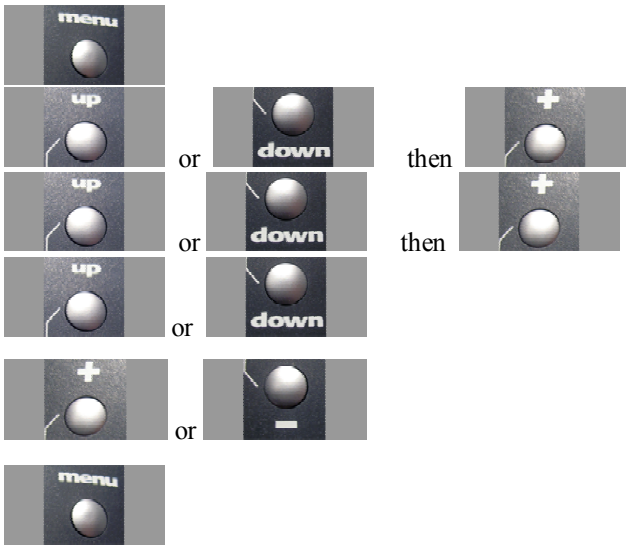
2. Navigate to the **Advanced** menu.

3. Navigate to the **Failsafe** menu.

4. Navigate to **Set Failsafes**.

5. At the confirmation screen:
   1. Select **Yes** to capture the servo failsafe settings.
   2. Select **No** to abandon the operation.

6. Confirm your selection.



7. A 3-second countdown begins on the display screen.

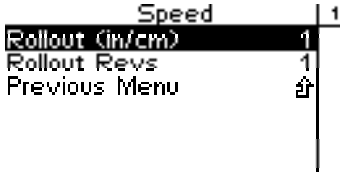
Before the countdown ends, use the React controls to set the servo failsafe positions. (For example, on a nitro car set steering to centered and throttle to full brake.)

At the end of the countdown, a confirmation message indicates that the servo failsafe positions were stored.

8. To test the failsafe positions, turn off the React and observe the reactions of the connected servos. The servos should go to the failsafe positions you just set.

You should always set your failsafe positions after making changes to your model, and should test your settings before driving. An easy way to check the failsafe positions is to turn your model on before turning on the React.

Speed

	The Speed display uses the tach sensor and several measurements you enter order to provide you with accurate speed readout. This is where you enter those measurements. The React must be programmed with distance in inches traveled per number of revolutions. The sensor then “does the math” in real time to provide you with a speedometer function that can be used for alerts. The two parameters that are used to make the Speed calculations are rollout and revolutions.

Because the React cannot use fractions, it is necessary to find two whole numbers that represent shaft turns and wheel turns. There are two ways to do this. One involves math and the other involves physically measuring the car's rollout.

Calculation method

The rollout can be calculated if you know the diameter of your tire and the gear reduction ratios between tachometer installation point and the wheels. If you are not sure of these ratios, you should probably use the Measurement method.

Multiply tire diameter by PI (3.14159) to get length of one tire revolution.

Multiply that by the gear reduction of your differential or transmission. The result is the number of inches your model will travel for each tick of the tach sensor.

Convert that number to a fraction that can be input into the React. You can do this by multiplying the number by 200 or more and then rounding to the nearest whole number. So if your model travels 4.1242 inches per tach and you multiply by 500, the "rollout" number will be 2062.1, which rounds down to 2062, and the "revolutions" number will be 500.

An Example: Your Model has 3.2" diameter tires. Multiplying by pi results in 10.053" circumference. Your Tach is mounted in front of a 13:5 gear reduction. So, the model travels 10.053 x 5/13 = 3.8666 inches per tachometer. This is approximately equal to 116/30, so the rollout parameter should be set to 116, and the revolutions parameter should be set to 30.

Measurement method

In this method, you simply measure the distance traveled by your model over a short length and count the revolutions of your driveshaft. Due to the possibility of measurement errors, this method works best if you measure at least ten shaft revolutions. We recommend that you mark one of your magnets with a colored sharpie or piece of tape to reduce the risk of incorrect counting. Make sure you are measuring using the same units (inches or centimetres) that the React is currently set up to use.

Position your car against a wall with the wheels pointed straight ahead. The back end of the car should be touching the wall.

Carefully watching the magnets on the shaft, roll the car forward until the shaft has rotated ten or more (more is better) times. The number of rotations will be your revolutions parameter.

Measure from the wall to the back end of the car. If it should work out to an even number of inches or CM, that will be your rollout parameter. If your measurement is to the closest $1/8^{th}$ of an inch, then in order to eliminate the fraction, you must multiply the revolutions by 8 and convert the length to $1/8^{th}$ inches by multiplying the whole number of inches by 8 and then adding the number of extra 1/8ths. If you are using metric measurement, it is simple, just multiply CM length and rollout by ten.

Example: Your model was measured to travel 31 5/8" in 10 drive shaft revolutions. This is equivalent to 31" x 8 + 5" = 253" in 80 revolutions. Thus, the rollout parameter in should be set to 253, and the revolutions parameter should be set to 80

The higher the numbers you use, the lower your error will be and the more accurate your speed will be. The maximum value that can be used is 10,000. It may be more convenient to enter larger numbers using the Digital RC Desktop software.

Since the tach sensor measures only shaft rotation, it does not take into account other issues like wheel spin, tire expansion at speed, cornering errors, etc.

Tach (RPM)

Tach (RPM) 1 Motor Revs 1 Magnet Revs 1 Previous Menu	The RPM display uses the tach sensor and several measurements you enter order to provide you with accurate engine speed readout. This is where you enter those measurements. The React must be programmed with the gear ratio between the motor and the tach sensor. The React then "does the math" in real time to provide you with a tachometer function to monitor your engine speed. The two parameters that are used to make the Speed calculations are Motor Revs and Magnet Revs.

Simply measure or calculate the gear ratio between the motor and your tach sensor. Enter the ratio in whole numbers (1-1000) using these two settings.

Example #1: If 4 revolutions of your motor or clutch bell makes your magnets rotate once your settings would be:

Motor revs: 4

Magnet revs: 1

Example #2: If 30 revolutions of your motor or clutch bell makes your magnets rotate 11 times your settings would be:

Motor revs: 30

Magnet revs: 11

Example #3: If your magnet is mounted in your spur gear and driven directly from the motor, set Motor Revs to the spur gear tooth count and Magnet Revs to the pinion gear tooth count.

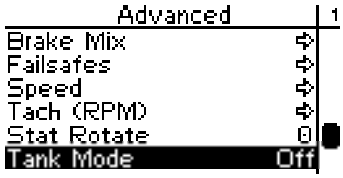
14 tooth pinion and 72 tooth spur would be:

Motor revs: 72

Magnet revs:14

The motor must rotate 72 times for the Magnets to rotate 14 times.

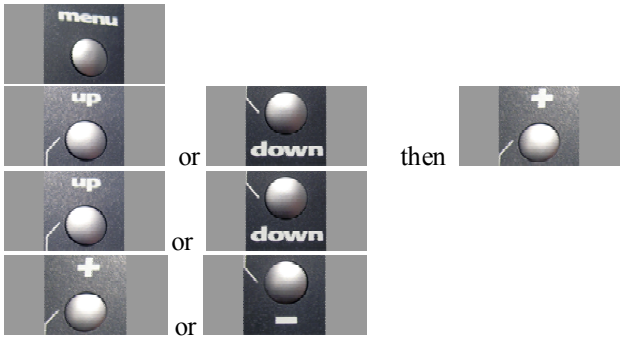
Tank Mode

	The Tank mode combines steering and throttle inputs to left-side and right-side drive. Tank mode Uses Ch1 as right drive servo and Ch2 as left drive servo. Throttle inputs affect both outputs equally. Steering input increases output on one side and decreases output on the other side. Mixing is applied after all other settings from both Ch1 and Ch2 (ABS, Autostart, both expo settings, etc). Servo travel is limited by Throttle/Brake endpoints.

Activating / Deactivating Tank Mode

Use the navigation controls to select the active model as follows:

1. Access the top function menu from the driving screen.
2. Navigate to the **Advanced** menu.
3. Navigate to **Tank Mode**.
4. Select **On** or **Off**.



Using The Timer Function

Use the Timer menu to configure, view on the drive screen to the left of Tx Bat. Default keys are:

: Start/pause timers

: Reset timers

: Start a new lap

: Restart pit timer countdown

These keys only work on the drive screen, not in the menus. Other keys configurations can be set up with RC Desktop using "softkeys".

Model Management

The following illustration shows the function menu structure for the model management functions:

Manage Models 1 Active Model - 1 New Model... Delete Model... Copy Model... Rebind... Previous Menu	

Active Model

Manage Models 1 Active Model - 1 New Model... Delete Model... Copy Model... Rebind... Previous Menu	The React can store all settings for up to forty vehicles. The Active Model function is used to select the model to be used. When you are connected to a transceiver, this list will only show models that apply to that transceiver. When unconnected, all of the models stored on your transmitter will be shown in the list. When binding with a transceiver in a vehicle, you must first select the active model to identify the vehicle.

	When preparing to operate a vehicle, select the active model, then turn on the vehicle and React. The React searches for the transceiver with the VIN associated with the selected active model. For more information, see “The Binding Process” earlier in this manual.

Selecting the Active Model

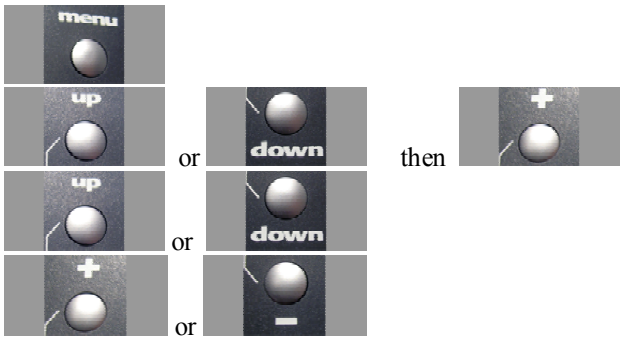
Use the navigation controls to select the active model as follows:

1. Access the top function menu from the driving screen.

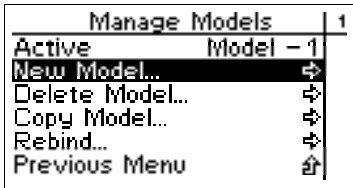
2. Navigate to the **Manage Models** menu.

3. Navigate to **Active Model**.

4. Select the active model.



New Model

	You can create a new model settings profile if there are any model memories remaining. Creating a new model allows you to store the settings for another model. By default, the new model setting is given the number of the next highest model number (For example, if there are currently 4 model settings, creating a new model will create “Model 5” and make it the default model.)

	You can change the model name from your PC using the Digital RC Desktop.

Creating a New Model

Use the navigation controls to create a new model as follows:

1. Access the top function menu from the driving screen.

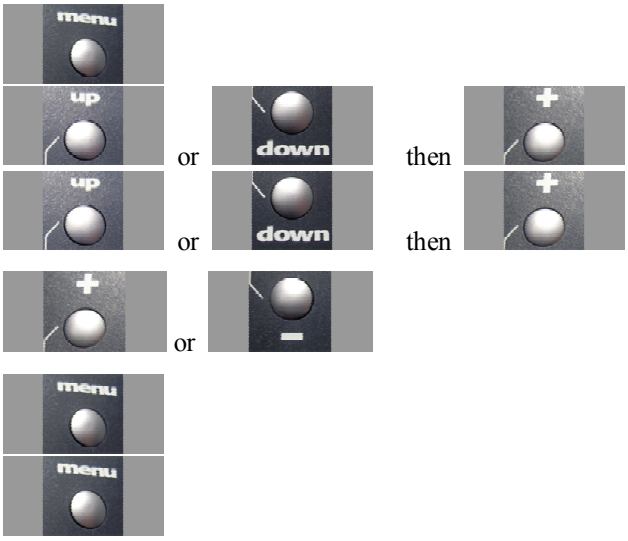
2. Navigate to the **Manage Models** menu.

3. Navigate to and activate **New Model**.

4. At the confirmation screen:
   3. Select **Yes** to create a new default model.
   4. Select **No** to cancel the operation.

5. Confirm your selection.

6. The “connecting” screen appears.
You can press the “Menu” button to cancel.



Delete Model

Manage Models 1 Active Model – 1 New Model... Delete Model... Copy Model... Rebind... Previous Menu	You can delete a model settings profile. This removes all stored settings for the model from memory.

Deleting a Model

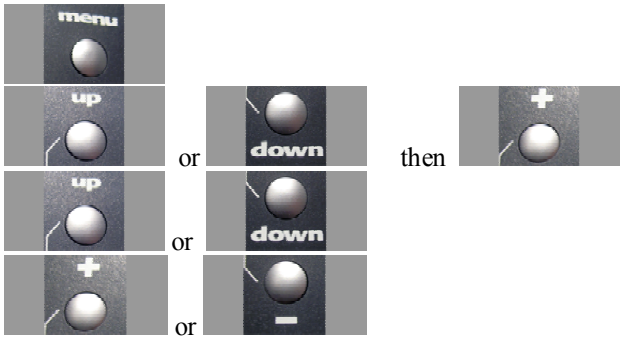
Use the navigation controls to delete a model as follows:

1. Access the top function menu from the driving screen.

2. Navigate to the **Manage Models** menu.

3. Navigate to **Active Model**.

4. Navigate to the model you want to delete.



5. Navigate to and activate **Delete Model**.

or

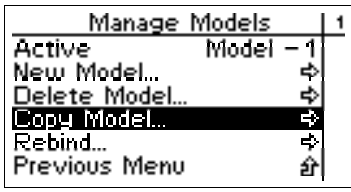
then

6. At the confirmation screen:
   5. Select **Yes** to delete the active model.
   6. Select **No** to cancel the operation.

or

7. Confirm your selection.

Copy Model



You can copy settings from one model profile to create a new duplicate model. If all model profiles already exist, you cannot copy a model.

Copying a Model

Use the navigation controls to copy a model as follows:

1. Access the top function menu from the driving screen.

2. Navigate to the **Manage Models** menu.

or

then

3. Navigate to **Active Model**.

or

4. Navigate to the model for which you want to copy the settings.

or

5. Navigate to and activate **Copy Model**.

or

then

6. At the confirmation screen:
   7. Select **Yes** to create a new duplicate model.
   8. Select **No** to cancel the operation.

or

7. Confirm your selection.

8. A new duplicate model is created and set as active model.

Rebinding

Manage Models 1 Active Model – 1 New Model... Delete Model... Copy Model... Rebind... Previous Menu	You can rebind to the transceiver in a specific model (identified by a model profile). An example of when you might use this function would be if you replaced a transceiver on your car – you need to tell the React and the new transceiver to look for each other.

Rebinding to a Model

Use the controls to rebind to a model as follows:

1. Access the top function menu from the driving screen.

2. Navigate to the **Manage Models** menu.

or

then

3. Navigate to **Active Model**.

or

4. Navigate to the model you want to rebind with.

or

5. Navigate to and activate **Rebind**.

or

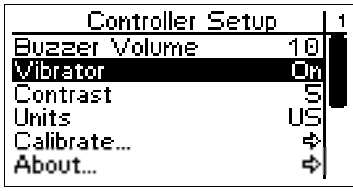
then

6. If the receiver was previously bound to a different React, turn on the model and perform the binding process again by activating the Bind button until the LED illuminates. Otherwise, just turn on the model.

Controller Setup

The following illustration shows the function menu structure for the controller setup functions:

Vibrator



As you might guess, this option lets you turn the vibration option on and off.

Use the navigation controls to turn the vibrator on/off as follows:

1. Access the top function menu from the driving screen.

2. Navigate to the **Controller Setup** menu.

or

then

3. Navigate to **Vibrator**.

or

4. Turn the vibration option on/off.

or

Contrast

You can set the contrast of the display screen to make it lighter or darker for better visibility at your preferred viewing angle.

Adjusting the Display Contrast Level

Use the navigation controls to adjust the display contrast level as follows:

1. Access the top function menu from the driving screen.

2. Navigate to the **Controller Setup** menu.

or

then

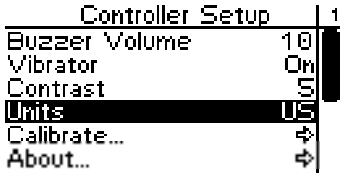
3. Navigate to **Contrast**.

or

4. Adjust the display contrast level.

Value	Description
0 - 10	0 is lowest contrast level (faintest). 10 is the highest contrast level (darkest).

Units



This option affects the display units for temperature (F/C), speed (MPH/KPH), and tach rollout (in/cm).

Note: Changing this setting does not convert existing temperature and speed alerts, nor tach rollout to the new units. You must go through and reset those settings manually after a conversion.

Selecting Unit System

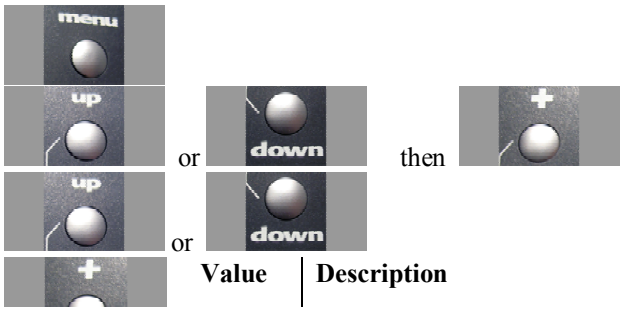
Use the navigation controls to adjust the display contrast level as follows:

1. Access the top function menu from the driving screen.

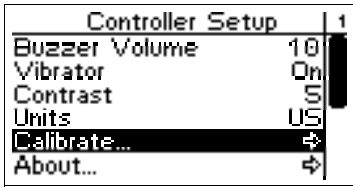
2. Navigate to the **Controller Setup** menu.

3. Navigate to **Units**.

4. Select which units system to use.



Calibrate



This function allows you to recalibrate the React steering and throttle controls. It does not change any of the steering or throttle settings that are stored in the model profiles.

Recalibrating the React

Use the navigation controls to recalibrate the React as follows:

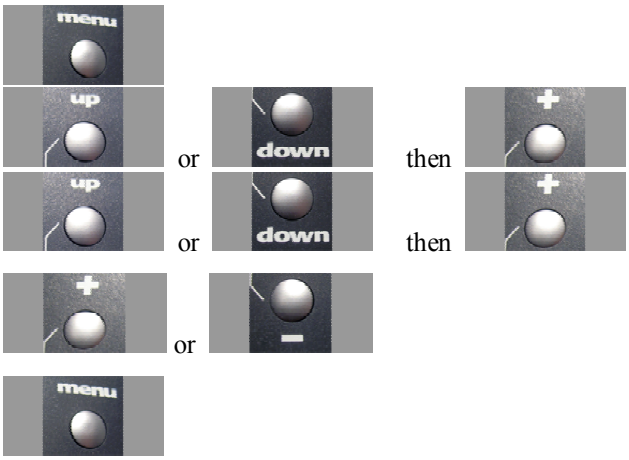
1. Access the top function menu from the driving screen.

2. Navigate to the **Controller Setup** menu.

3. Navigate to and activate **Calibrate**.

4. At the confirmation screen:
   9. Select **Yes** to recalibrate
   10. Select **No** to cancel the operation

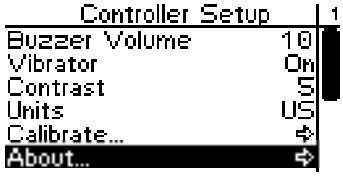
5. Confirm your selection.



6. Perform the calibration routine by following the on-screen commands. Only move one control at a time, as directed by the prompts, leave the other control centered in its hands-off position.

For best results, pull the trigger then gently release it before starting calibration. After calibrating the brake travel, gently release the trigger. This will ensure that any mechanical dead zone in the trigger is properly detected.

About



The About screen displays the version number and ID number for your React.

If you are connected to a transceiver the version number and VIN for the transceiver are also shown.

This function also displays your startup screen and user name. This is a great way to show off your customized graphics to your friends!

Viewing the React About Screen

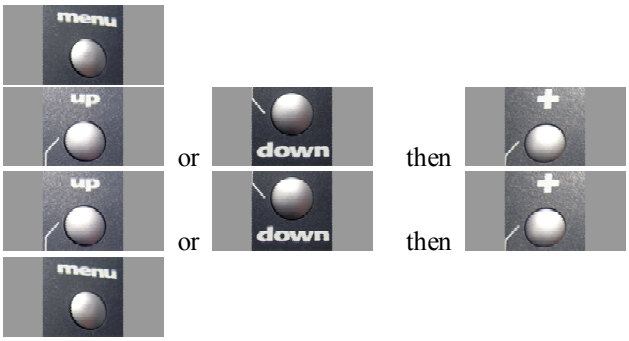
Use the navigation controls to view the about screen as follows:

1. Access the top function menu from the driving screen.

2. Navigate to the **Controller Setup** menu.

3. Navigate to and activate **About**.

4. View the startup screen and user name, then press OK.



5. View the versions and IDs, then press OK.

React Digital RC Desktop

The innovative React Digital RC Desktop can be used to program the functionality of your React using your computer. The supplied adaptor cable is used to connect your React to an available USB port on your computer, allowing your React and the RC Desktop to communicate and exchange information. The RC Desktop interface has the same menu structure as that contained within your React; and has been designed to be very easy to use.

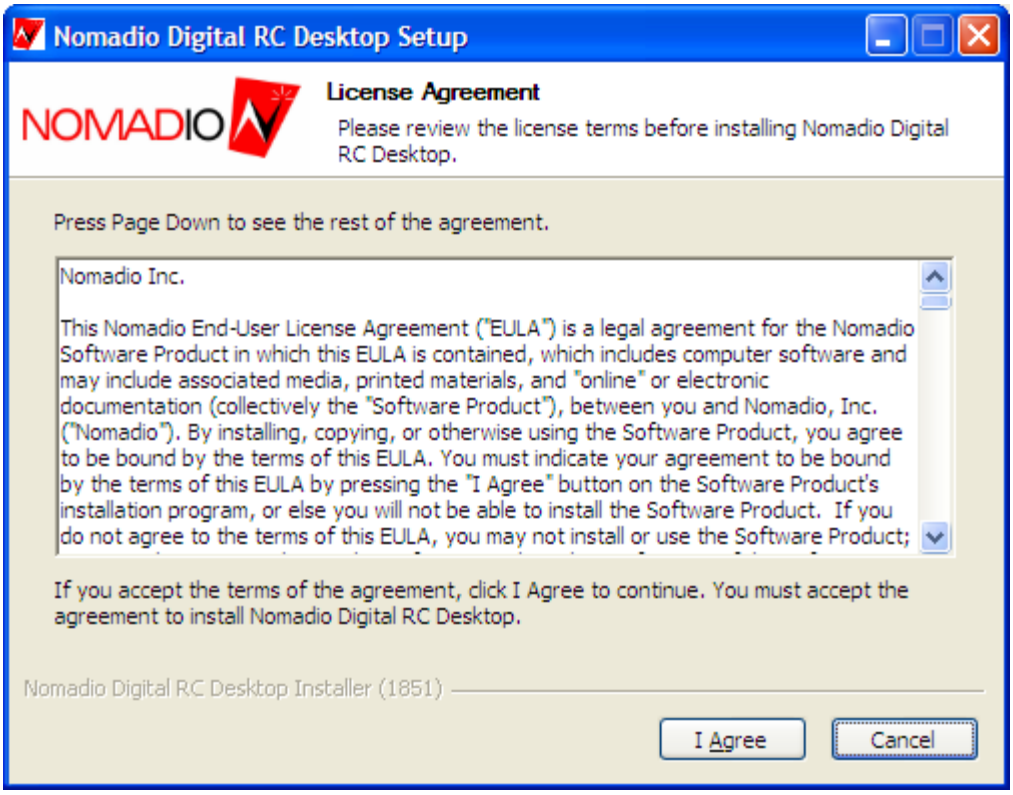
Information may be transferred between your React and the RC Desktop so that you can download your current setting information to your computer, make changes, and then upload the newer settings. Updating the React firmware is as easy as uploading a file, or using your Internet connection to retrieve the latest firmware file directly from Nomadio and upload it to your React in one easy step.

After you start using your React and install your RC Desktop, we strongly recommend that you perform the registration process so that you can receive special incentives and privileges, and be kept abreast of the latest Nomadio developments and news. The online registration process is fast and easy, and requires an Internet connection.

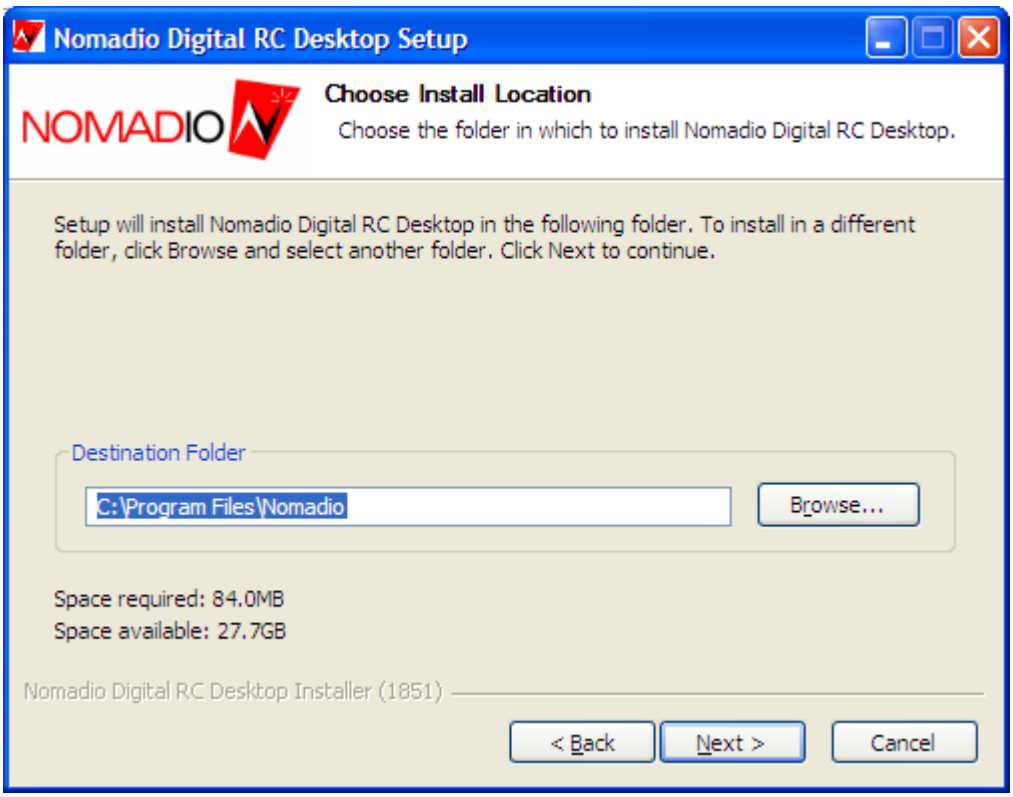
Minimum System Requirements

Processor	Pentium 3
Ram	128MB
HDD space	100MB
Display	VGA or better
Ports	Available USB port (1.1 or 2.0 port recommended)
OS	Windows 2000, XP

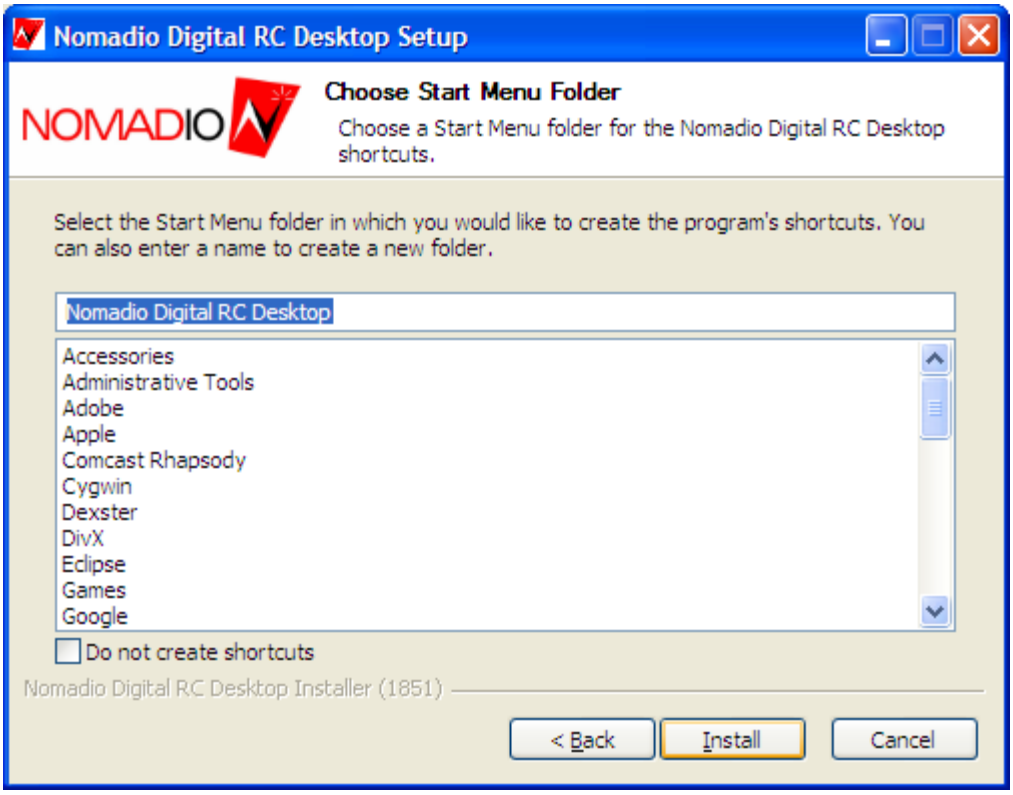
Installing the RC Desktop



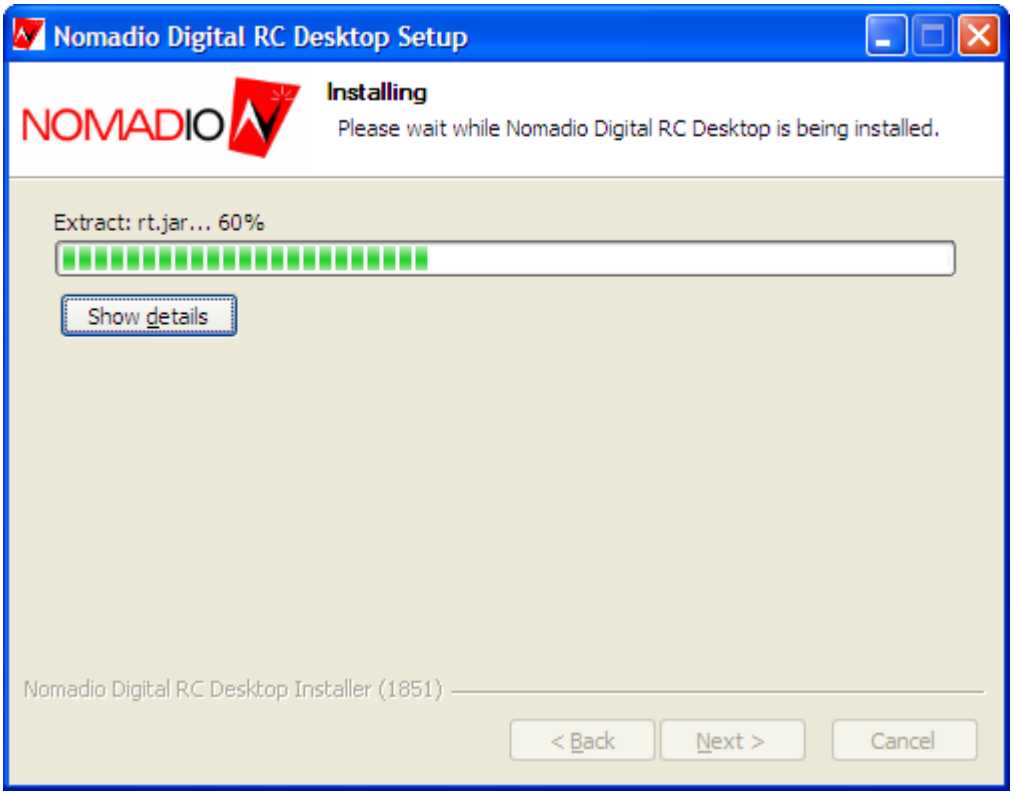
3.When the installation begins you will be presented with a Setup Wizard that begins with the Nomadio License Agreement. Click I Agree to continue.

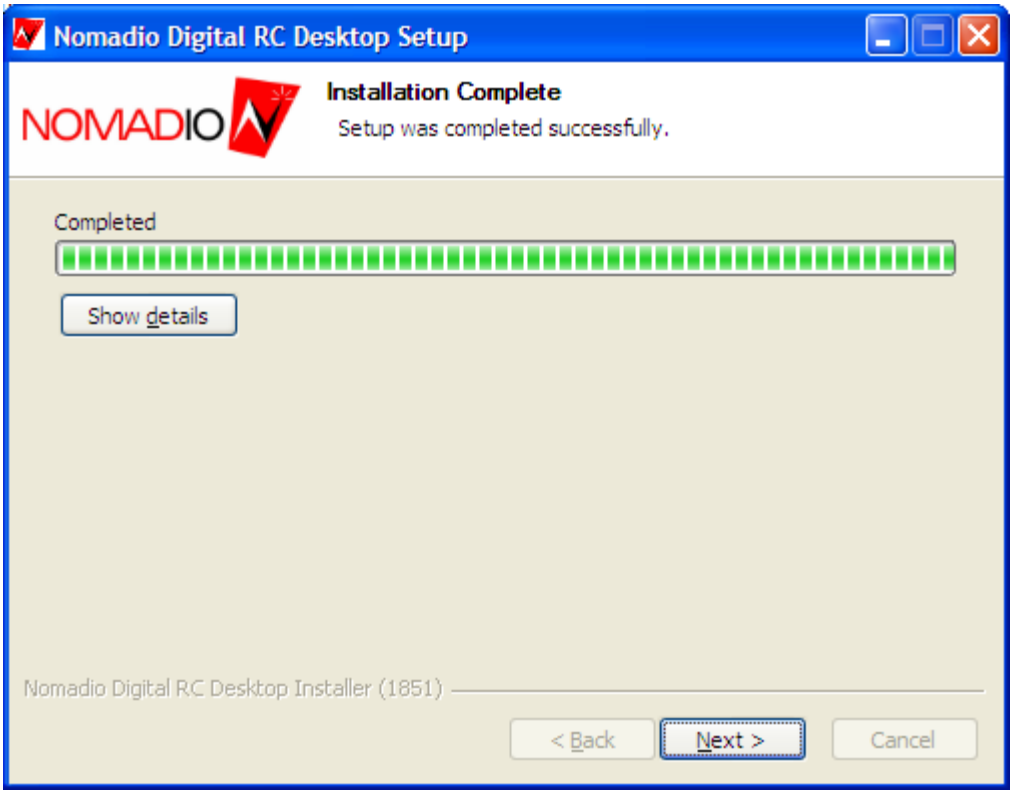


4.Next choose the destination folder for the Digital RC Desktop by either typing in the path or clicking the Browse button and picking the folder you wish to use. Click the Next button to continue

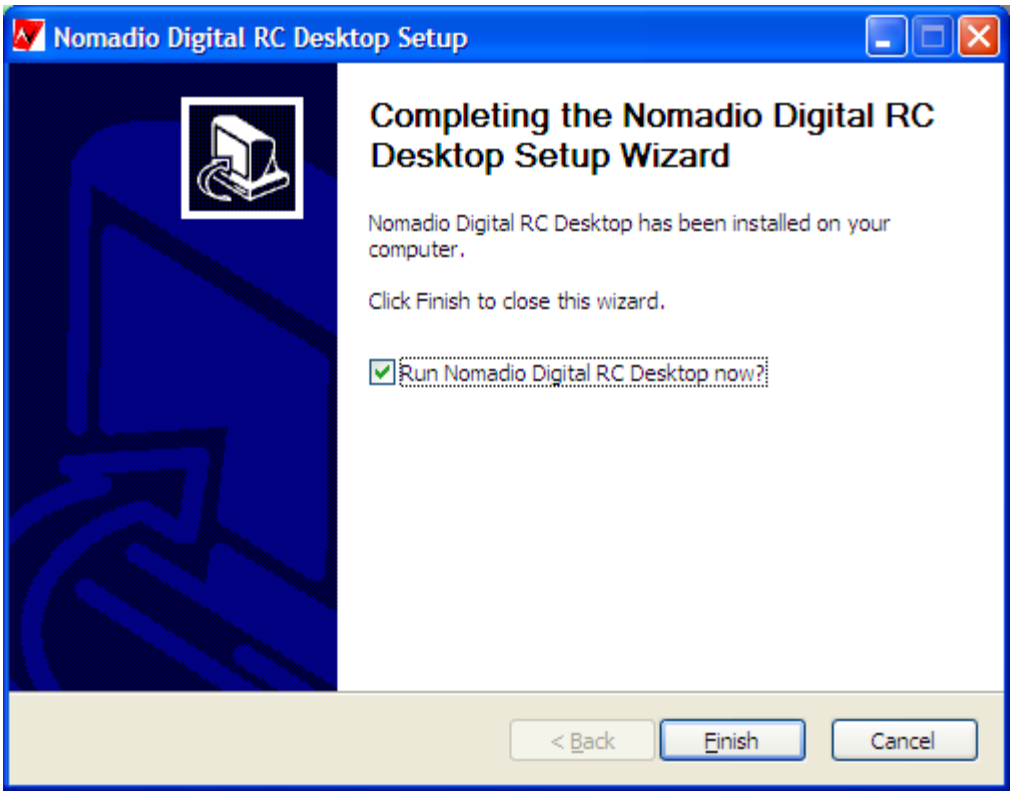


5.At the next screen, select the Start Menu folder for the Digital RC Desktop's shortcuts. Click the Do not create shortcuts checkbox if you do not want shortcuts created. Click Install to continue the Setup Wizard.





10.Digital RC Desktop Setup is now almost done. Click Next to continue.

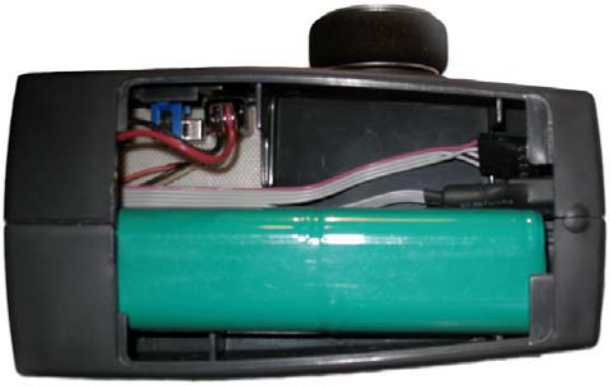


11.Leave the Run Nomadio Digital RC Desktop now? checkbox selected for the Setup Wizard to launch the program after exiting the Setup Wizard. Click Finish to exit the Nomadio Digital RC Desktop Setup.

Connecting the React to your Computer

To connect your React to your computer, do the following:

1. Open the battery compartment



2. Plug the smaller end of the included USB cable into the cable with the matching USB connector inside the React's battery compartment.

3. Turn on your React. (note that if your battery is dead, it will power off the USB port when you plug in. Do still put the switch in the On position. Your computer will recognize the React as being connected and will likely make a beeping noise. Run RC Desktop to send and receive settings.

To use your React as a gaming controller, follow the same instruction except **make sure the React is turned off.**

Using the React Digital RC Desktop

To start the RC Desktop	From the **START** menu, click (**All**) **Programs**, **Nomadio Digital RC Desktop**, then **Nomadio Digital RC Desktop**.
To make changes to the settings	Navigate through the functions of the RC Desktop, and make changes as appropriate to global settings, or to settings for individual models.
To open a saved settings file	From the **File** menu, click **Open…**.
To save the current settings into a file	From the **File** menu, click **Save**.
To create a new model	From the **File** menu, click **Create New Model,** or right click on the file name at the top of the tree on the left, and select **Create New Model**.
To copy a model	In the tree on the left, right click on the model that you wish to copy. On the popup menu, select **Copy Model**. A new model will be created that is a copy of the selected model (though the name is not copied)
To delete a model	In the tree on the left, right click on the model that you wish to copy. On the popup menu, select **Delete Model**.
To receive the current settings from the React	1. Connect the React to your computer. 2. Turn on the React. 3. From the **Connection** menu, click **Receive Settings from React**.
To send the RC Desktop's current settings to the React	1. Connect the React to your computer. 2. Turn on the React. 3. From the **Connection** menu, click **Send Settings to React**.
To install the latest firmware into the React	1. Connect the React to your computer. 2. Turn on the React. 3. From the **Connection** menu, click **Install Latest React Firmware**.
To update the RC Desktop to the latest version	From the **Help** menu, click **Software Updates**.

Registration

1.When you start the Digital RC Desktop the first time, you will be prompted to register. Click Yes to continue. If you click No, you can register you will be prompted again the next time you start the Digital RC Desktop. You can register immediately by choosing the Help menu and then choosing Register new React

.

2.The Digital RC Desktop will now read your React's ID. Connect your React and click OK.

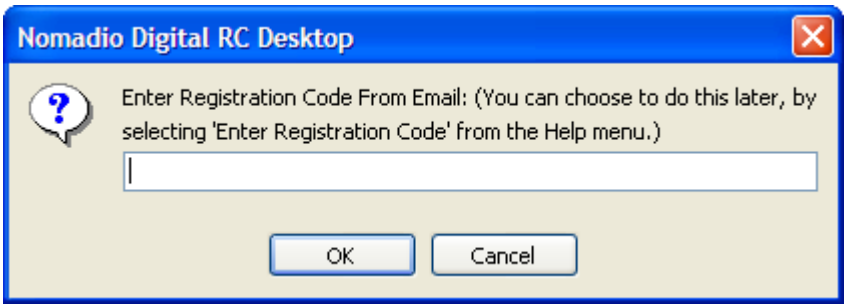
Thank you for choosing Nomadio Sensor and Digital RC Desktop.
Please fill in the form below to register your Sensor.
Benefits of registering include free software updates and a free speed sensor.
When you click the Register button an email will be sent to you with a link to the next step in the registration process.

First Name:
Last Name:
Address Line 1:
Address Line 2:
City:
State/Province:
Zip/Postal code:
Country/Region:
Phone Number:
E-Mail: (Required: Confirmation sent here)
Sensor ID: e2abb50d
What cars do you drive?

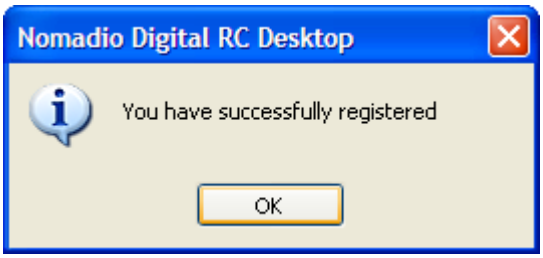
Register

3.Your web browser will then be opened to a web page that will ask you for registration information. Your React ID will be automatically read from your React and filled in.

4.When you click the Register button, a confirmation e-mail will be sent to you. This will e-mail will contain a link back to Nomadio's registration site where you will be able to get your registration code.



5.Enter your registration code in the Digital RC Desktop and click the OK button. If you press Cancel, you can enter your registration code by choosing the Help menu and choosing Enter Registration Code.



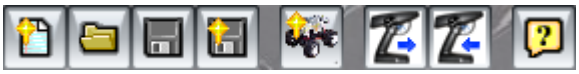
6.You are now registered.

Registering a Second Computer

If you wish to register a second computer (for example, a laptop you take to the track, your work computer, etc) simply repeat the installation and registration process using the same email address.

If you encounter problems or no longer have access to the email address you used to register send an email to support@nomadio.net.

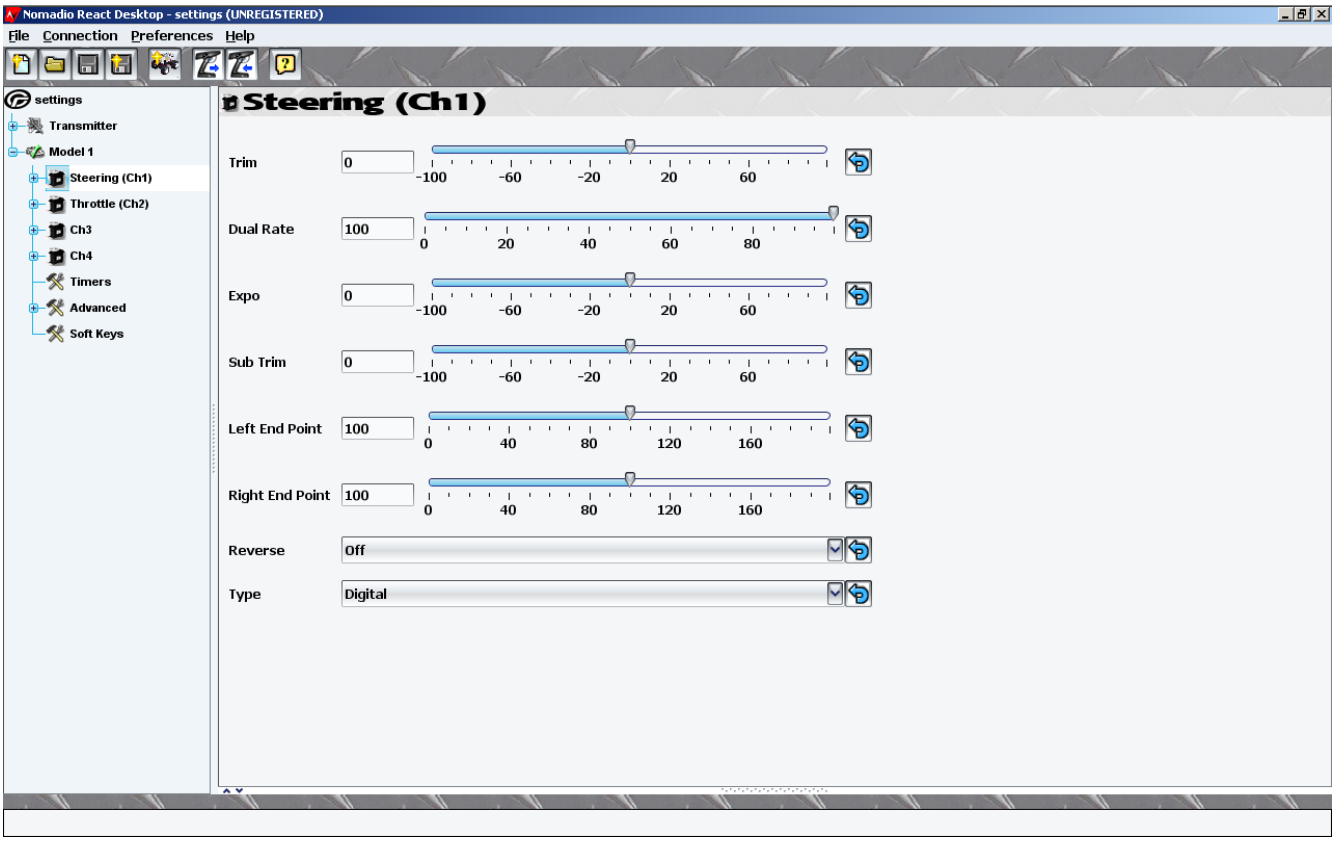
Receiving Settings From the React



The Digital RC Desktop will attempt to receive settings from the React on startup. You can also choose the Connection menu and then choose Receive Settings from React. Finally you can choose the Receive Settings From React toolbar button.

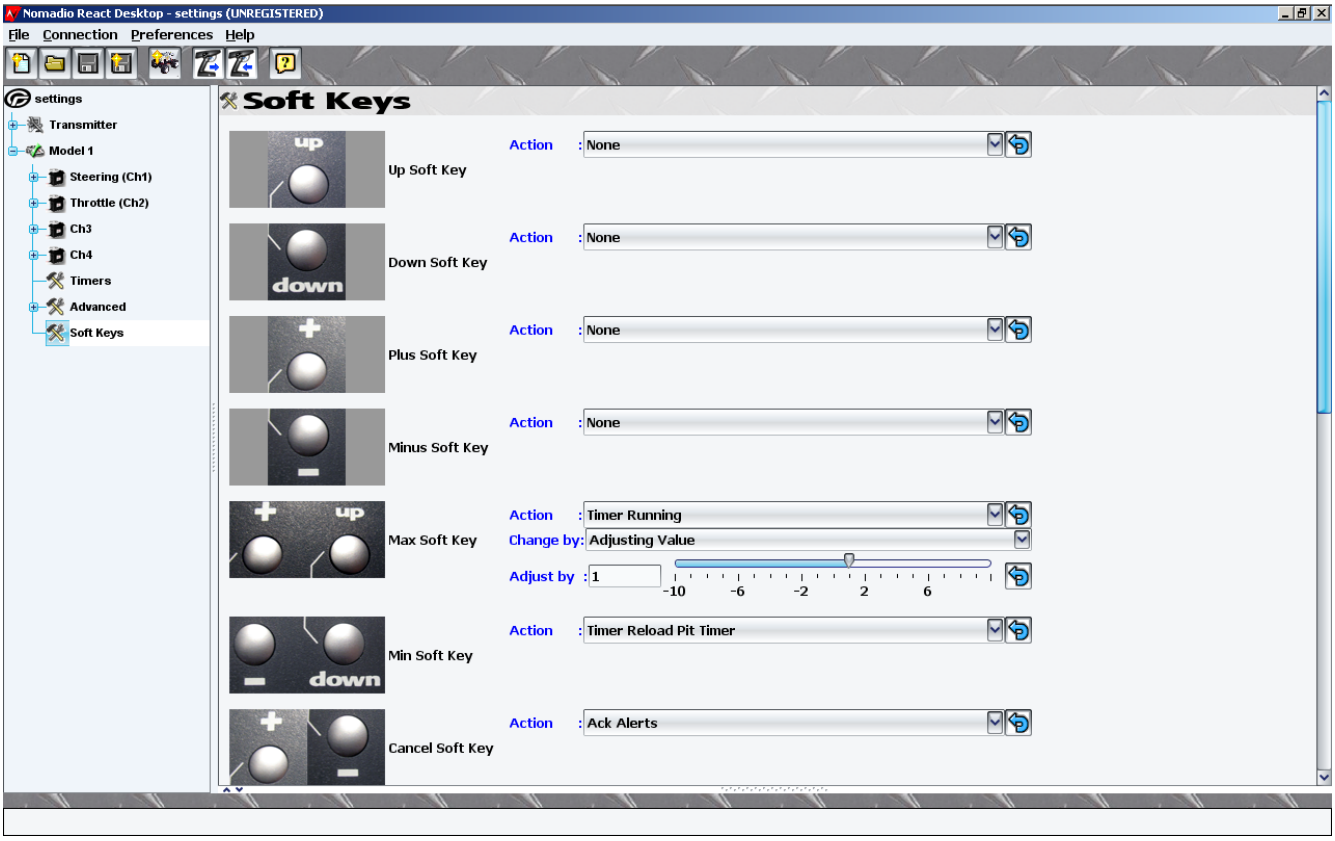
1.The Digital RC Desktop will then connect to your React and download the settings from it.

Editing Settings

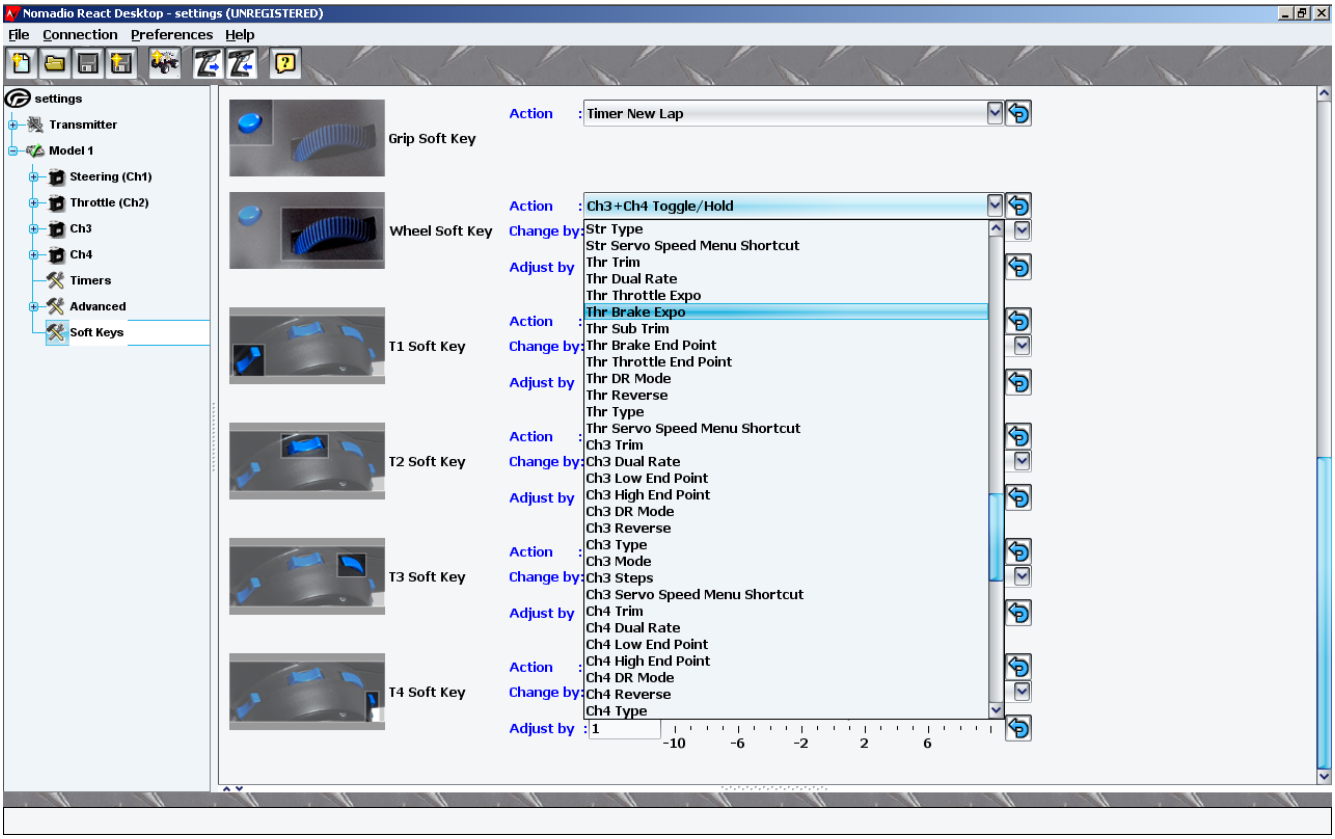


Simply use the settings menu on the left side of the screen to find the settings you wish to edit. Individual settings appear in the right side of the screen. Changes can be saved to a file on your PC and/or sent to the React.

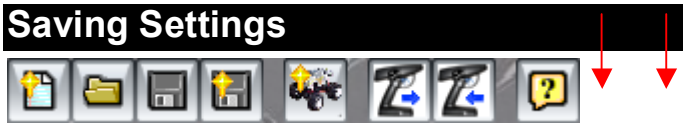
Using Softkeys



Softkeys allows you to choose the function of the button and trims on the React. Click on the pull down button and choose the function you would like that button or trim tab to control.

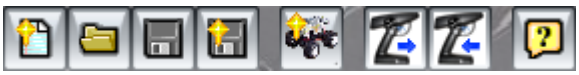


Saving Settings



Settings can be saved by choosing the File menu and choosing either Save or Save As… . Choosing Save saves the settings to the current file name. Choosing Save As… lets you pick a file name. You can also save your current settings use the Save and Save As toolbar buttons. If you forget to save and then try to exit the Digital RC Desktop, you will be prompted to save.

Sending Settings to the React



You can send your settings to the React by choosing the Connection menu and then choosing Send Settings to React. You can also send your settings by choosing the Send Settings to React toolbar button. If you forget to send your settings to the React after editing them, the Digital RC Desktop will prompt you to send your settings on exit.

Installing React Firmware

To install new React Firmware, choose the Connection menu and then choose Install Latest React

Firmware. If you have been instructed to update your transceiver(s) also, you will need to connect the transceiver to the React using the Receiver Programming Cable inside the battery compartment. That cable should plug into the "TACH" port on your transceiver. Once you are connected, select Install Latest Transceiver Firmware.

Specifications

Specifications subject to change without notice.

React Controller

Radio Type: digital spread spectrum 2.4Ghz
Radio Mode: direct sequence (DSSS) and frequency hopping (FHSS) spread spectrum
Range: 1000ft. (approximate)
Frame Rate: 100 frames per second
Latency: 10 millisecond max, 5ms typical
Dimensions: 300mm x 139mm x 125mm (HWD)
Weight (w/Batteries): 674g
Servo Channels: 4
Rechargeable Batteries: NiMH *(included)*
Controller Battery Voltage Monitor: graphic and real-time
Car Battery Voltage Monitor: graphic and real-time
Timers: operation and lap timers
Trims: adjustable trims and sub-trims
Controls: dual rate, endpoints, exponential, mixing and servo speed adjust on all channels
Anti-Lock: brake anti-lock with cycle, delay, and depth
Idle Up: yes
Tactile Alarm: programmable vibrator
Resolution: 128 x 64 pixels
Auto Modes: auto display and display only
Presets: failsafe and autostart
Telemetry: 3 channels of real time telemetry
Telemetry Sensors: speed, temperature and battery
Servos Supported: any combination of analog and digital
PC Connectivity: USB serial for customization, analysis and updates
Antenna: Internal
Architecture: software upgradeable

Transceiver

Dimensions: 47.7 x 30.2 x 19mm

Weight: 34g (including antenna)

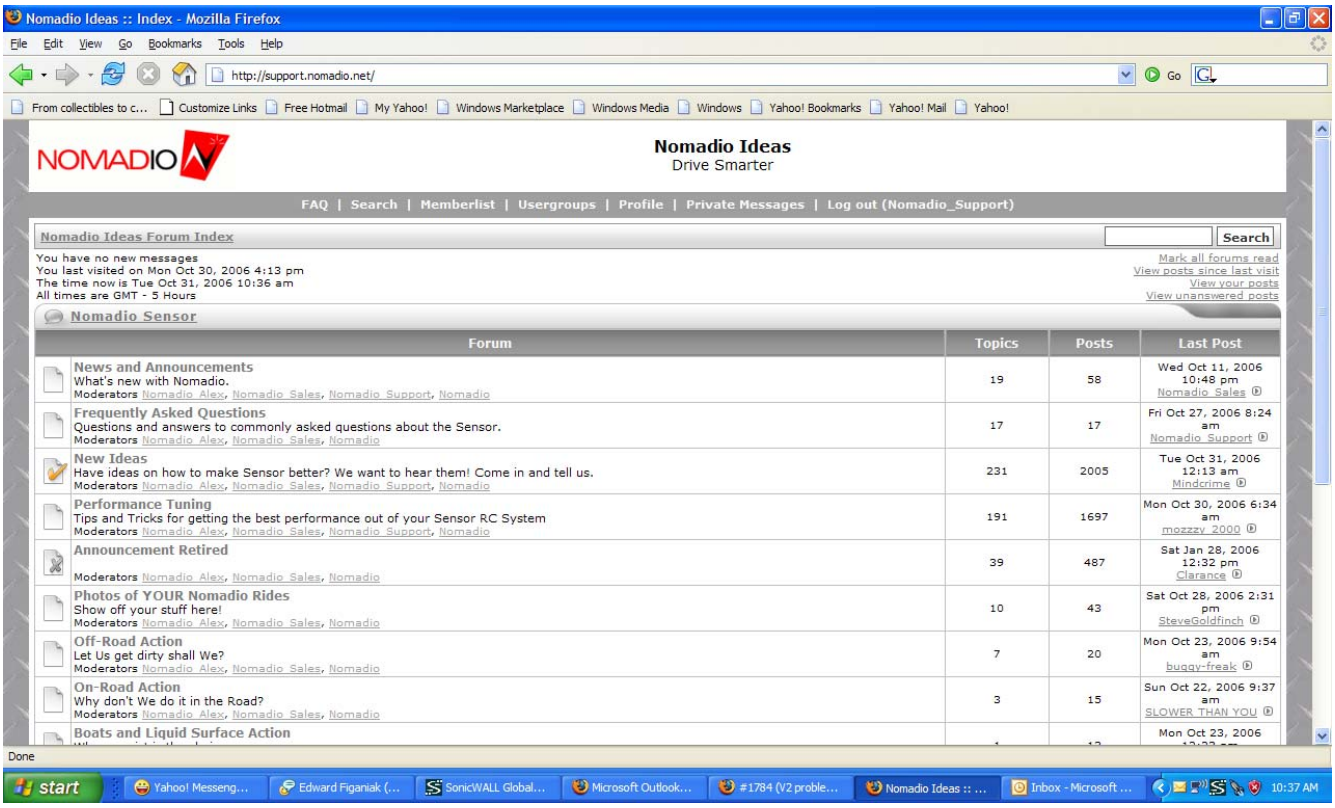
Antenna length: 22.8cm

Antenna thickness: 1.8mm

Support

Nomadio is committed to providing the best support in the RC market for its products. If you have any issues with your React, please visit our support website at

http://support.nomadio.net



There you will find a wealth of knowledge from other React users as well as Nomadio's support staff. Should you need to contact Nomadio directly web support staff will give you the information necessary to get you running.

Statement of Compliance

FCC Compliance Statement

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 technician for help.
This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada. Operation is subject to the following two conditions:

11. this device my not cause harmful interference, and
12. this device must accept any interference received, including interference that may cause undesired operation.

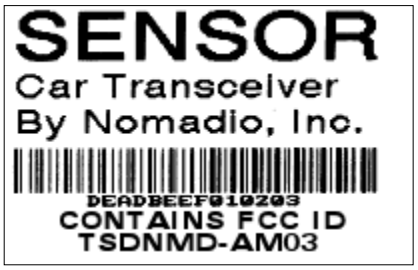
Warning: Changes or modifications made to this equipment not expressly approved by Nomadio may void the FCC authorization to operate this equipment.

RF Exposure Statement

This transmitter has been tested and meets the FCC RF exposure guidelines when used with the Nomadio accessories supplied or designated for this product, and provided at least 20 cm separation between the antenna and the user's body is maintained. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

Modular Approval Statement

If you install the React transceiver inside of a vehicle, and you are not the final end user, FCC regulations require you to make the React transceiver's FCC ID easily visible to the end user. In order to do this, please, print the image below onto a permanent sticker, and place it in a visible location such as on the bottom of the vehicle (a pre-printed sticker is provided in the package):



Racing Association Approvals

The React system has been approved for competitive use by the following racing organizations. In many cases, the use of telemetry is prohibited or regulated, please consult your race director for details. For an updated list, please consult the Nomadio support website, where a current list is always maintained:

ROAR

EFRA

IFMAR

QSAC

React and its software are designed and manufactured in the United States of America.

Nomadio 1 Year Limited Warranty

Warranty Coverage

Nomadio's warranty obligations are limited to the terms set forth below:
Nomadio, as defined below, warrants this Nomadio-branded hardware product against defects in materials and workmanship under normal use for a period of ONE (1) YEAR from the date of retail purchase by the original end-user purchaser ("Warranty Period"). If a hardware defect arises and a valid claim is received within the Warranty Period, at its option, Nomadio will either (1) repair the

hardware defect at no charge, using new or refurbished replacement parts, or (2) exchange the product with a product that is new or which has been manufactured from new or serviceable used parts and is at least functionally equivalent to the original product, or (3) refund the purchase price of the product. Nomadio may request that you replace defective parts with new or refurbished user-installable parts that Nomadio provides in fulfillment of its warranty obligation. A replacement product or part, including a user-installable part that has been installed in accordance with instructions provided by Nomadio, assumes the remaining warranty of the original product or ninety (90) days from the date of replacement or repair, whichever provides longer coverage for you. When a product or part is exchanged, any replacement item becomes your property and the replaced item becomes Nomadio's property. Parts provided by Nomadio in fulfillment of its warranty obligation must be used in products for which warranty service is claimed. When a refund is given, the product for which the refund is provided must be returned to Nomadio and becomes Nomadio's property.

Exclusions and Limitations

This Limited Warranty applies only to hardware products manufactured by or for Nomadio that can be identified by the "Nomadio" trademark, trade name, or logo affixed to them. The Limited Warranty does not apply to any non-Nomadio hardware products or any software, even if packaged or sold with Nomadio hardware. Manufacturers, suppliers, or publishers, other than Nomadio, may provide their own warranties to the end user purchaser, but Nomadio, in so far as permitted by law, provides their products "as is". Software distributed by Nomadio with or without the Nomadio brand name (including, but not limited to system software) is not covered under this Limited Warranty. Refer to the licensing agreement accompanying the software for details of your rights with respect to its use.

Nomadio does not warrant that the operation of the product will be uninterrupted or error-free. Nomadio is not responsible for damage arising from failure to follow instructions relating to the product's use.

This warranty does not apply: (a) to damage caused by use with non-Nomadio products; (b) to damage caused by accident, abuse, misuse, flood, fire, earthquake or other external causes; (c) to damage caused by operating the product outside the permitted or intended uses described by Nomadio; (d) to damage caused by service (including upgrades and expansions) performed by anyone who is not a representative of Nomadio or an Nomadio Authorized Service Provider; (e) to a product or part that has been modified to significantly alter functionality or capability without the written permission of Nomadio; (f) to consumable parts, such as batteries, unless damage has occurred due to a defect in materials or workmanship; or (g) if any Nomadio serial number has been removed or defaced.

TO THE EXTENT PERMITTED BY LAW, THIS WARRANTY AND REMEDIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, REMEDIES AND CONDITIONS, WHETHER ORAL OR WRITTEN, STATUTORY, EXPRESS OR IMPLIED. AS PERMITTED BY APPLICABLE LAW, NOMADIO SPECIFICALLY DISCLAIMS ANY AND ALL STATUTORY OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND WARRANTIES AGAINST HIDDEN OR LATENT DEFECTS. IF NOMADIO CANNOT LAWFULLY DISCLAIM STATUTORY OR IMPLIED WARRANTIES THEN TO THE EXTENT PERMITTED BY LAW, ALL SUCH WARRANTIES SHALL BE LIMITED IN DURATION TO

THE DURATION OF THIS EXPRESS WARRANTY AND TO REPAIR OR REPLACEMENT SERVICE AS DETERMINED BY NOMADIO IN ITS SOLE DISCRETION.

No Nomadio reseller, agent, or employee is authorized to make any modification, extension, or addition to this warranty.

EXCEPT AS PROVIDED IN THIS WARRANTY AND TO THE EXTENT PERMITTED BY LAW, NOMADIO IS NOT RESPONSIBLE FOR DIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY OR CONDITION, OR UNDER ANY OTHER LEGAL THEORY, INCLUDING BUT NOT LIMITED TO LOSS OF USE; LOSS OF REVENUE; LOSS OF ACTUAL OR ANTICIPATED PROFITS (INCLUDING LOSS OF PROFITS ON CONTRACTS); LOSS OF THE USE OF MONEY; LOSS OF ANTICIPATED SAVINGS; LOSS OF BUSINESS; LOSS OF OPPORTUNITY; LOSS OF GOODWILL; LOSS OF REPUTATION; LOSS OF, DAMAGE TO OR CORRUPTION OF DATA; OR ANY INDIRECT OR CONSEQUENTIAL LOSS OR DAMAGE HOWSOEVER CAUSED INCLUDING THE REPLACEMENT OF EQUIPMENT AND PROPERTY, ANY COSTS OF RECOVERING, PROGRAMMING, OR REPRODUCING ANY PROGRAM OR DATA STORED OR USED WITH NOMADIO PRODUCTS AND ANY FAILURE TO MAINTAIN THE CONFIDENTIALITY OF DATA STORED ON THE PRODUCT. THE FOREGOING LIMITATION SHALL NOT APPLY TO DEATH OR PERSONAL INJURY CLAIMS. NOMADIO DISCLAIMS ANY REPRESENTATION THAT IT WILL BE ABLE TO REPAIR ANY PRODUCT UNDER THIS WARRANTY OR MAKE A PRODUCT EXCHANGE WITHOUT RISK TO OR LOSS OF THE PROGRAMS OR DATA.

Consumer Protection Laws

FOR CONSUMERS WHO ARE COVERED BY CONSUMER PROTECTION LAWS OR REGULATIONS IN THEIR COUNTRY OF PURCHASE OR, IF DIFFERENT, THEIR COUNTRY OF RESIDENCE, THE BENEFITS CONFERRED BY THIS WARRANTY ARE IN ADDITION TO ALL RIGHTS AND REMEDIES CONVEYED BY SUCH CONSUMER PROTECTION LAWS AND REGULATIONS. Some countries, states and provinces do not allow the exclusion or limitation of incidental or consequential damages or exclusions or limitations on the duration of implied warranties or conditions, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary by country, state or province. This Limited Warranty is governed by and construed under the laws of the country in which the product purchase took place. Nomadio, the warrantor under this Limited Warranty, is identified at the end of this document according to the country or region in which the product purchase took place.

Obtaining Warranty Service

Please access and review the online help resources referred to in the documentation accompanying this hardware product before requesting warranty service. If the product is still not functioning properly after making use of these resources, please contact the Nomadio representatives or, if applicable, a Nomadio Authorized Service Provider located using the information provided in the documentation. An Nomadio representative or Nomadio Authorized Service Provider will help determine whether your

product requires service and, if it does, will inform you how Nomadio will provide it. Nomadio or its Nomadio Authorized Service Providers will provide warranty service on products that are tendered or presented for service during the Warranty Period, as permitted by law. If the purchaser is outside the United States, service will be limited to the options available in the country where service is requested. Warranty service may be restricted to the country where the product is purchased. Service options, parts availability and response times will vary according to country. You may be responsible for shipping and handling charges if the product cannot be serviced in the country it is in. In accordance with applicable law, Nomadio may require that you furnish proof of purchase details and/or comply with registration requirements before receiving warranty service. Please refer to the accompanying documentation for more details on this and other matters on obtaining warranty service.

If your product is capable of storing data or software programs, you should make periodic backup copies of the data and programs contained on the product's storage media to protect your data and as a precaution against possible operational failures. Before you deliver your product for warranty service it is your responsibility to keep a separate backup copy of your user data, and disable any security passwords. Repaired products will be returned to you in factory-fresh condition. You will be responsible for reinstalling all such data and passwords. Nomadio and its Authorized Service Providers are not liable for any damage to or loss of any data, or other information stored on any media, or any non-Nomadio product or part not covered by this warranty. Recovery and reinstallation of user data are not covered under this Limited Warranty.