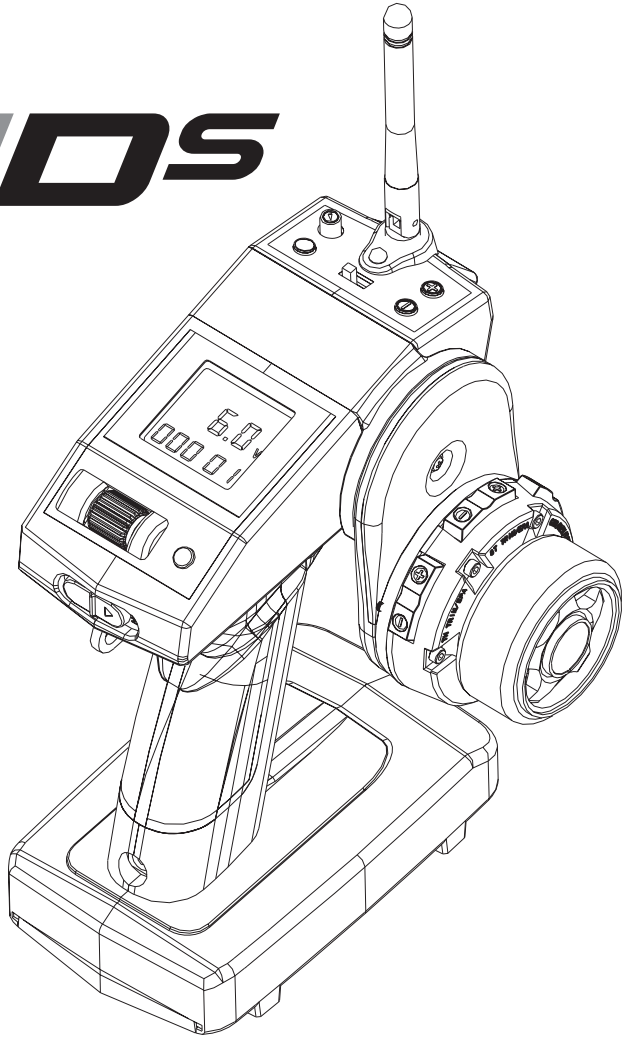# IKONNIK Xe Xenon

ET4DS

Quick-Start Guide

Product specifications are subject to change without notice. Due to ongoing development, the actual product may vary from images shown.

This product contains chemicals known to the State of California to cause cancer, birth defects and other reproductive harm.

This product is not a toy! (14+) Recommended for ages 14 and up. Adult supervision required for ages under 18 years old. Contains small parts, keep out of reach of children 3 years of age and younger.

To download the full Owner's Manual & Technical Information Guide, please visit www.ikonnik-rc.com or scan the QR code with your smart phone.

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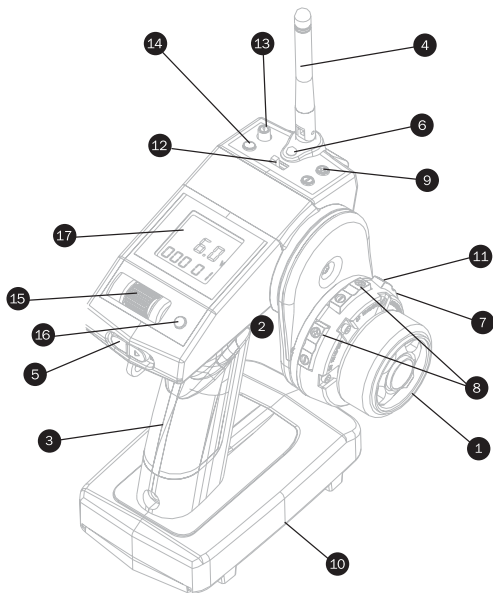customerservice@firelandsgroup.com

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CE

MADE IN CHINA

1. Steering Wheel: Controls left / right motion (note that the wheel can be re-positioned and / or configured for left-hand use (see full online manual for details).

2. Throttle Trigger: Controls forward / reverse / brake motion (designed to be operated with index finger).

3. Hand Grip: For holding the transmitter.

4. Antenna: Transmits signal to the receiver located in the vehicle. Flip up when the transmitter is in use. Fold for storage.

5. Power switch: Turns the transmitter ON / OFF.

6. Multifunction Red Indicator LED.
   a. Power indicator.
   b. Low battery voltage warning. When flashing batteries should be replaced / recharged before continued use.

7. REV / Pair:
   a. Use to reverse servo / channel operation.
   b. Use to put the transmitter into pairing mode.

8. Digital Trim: All switches are digital so there's no need to readjust the trim position for different models after initial setup.
   a. Steering: Controls the hands-off left / right direction of the vehicle.
   b. Throttle: Adjusts the motor speed to STOP when the trigger is in the hands-off (neutral) position.

9. Dual Rate Adjustment / Memory Reset: Adjusts total travel of servo in both directions.

10. Battery compartment: Houses [4] AA batteries or a NiMH rechargeable battery pack for powering the transmitter.

11. Channel 4 / Fail-safe: Toggle Channel 4 ON / OFF. Use to set the fail-safe in case of signal loss.

12. Mode Switch:
    a. Standard Mode: All functions are fully operational.
    b. Feature Lock: Disables all buttons except steering trim.
    c. Beginner Mode: Reduces throttle output to 50%.

13. Channel 3 adjustment knob.

14. LED Light ON / OFF: Use to switch the LED Light ON / OFF.

15. Roller button: Use to scroll through programming options and select an item.

16. Back button: Use to backtrack through the programming menus.

17. LCD

Battery Installation

4 x AA size alkaline batteries are the standard configuration and recommended for ease of use when getting started. Upgrading to a rechargeable battery pack can be carried out at any time.

1. Remove the battery cover from the transmitter.
2. Insert four new AA batteries according to the polarity markings on the battery holder.
3. Reinstall the battery cover.

⚠ WARNING: DO NOT ATTEMPT TO CHARGE NON-RECHARGEABLE BATTERIES, YOU MAY CAUSE AN EXPLOSION.

Receiver Installation & Connection

Installation

To achieve full operating range with your radio system it is critical that the receiver antenna be undamaged and installed properly. It should be installed with as much of the antenna as possible in a vertical position. The end of the antenna should be contained inside an antenna tube. When installing:

• Ensure there are no kinks in the antenna or antenna tube.

• Never fold the end of the antenna over the tube, this will reduce the operating range of the system and damage the antenna.

• Ensure the receiver is mounted securely or padded against hard impacts.

Connection

- Channel 1: Controlled by the wheel, connect to a servo for steering.
- Channel 2: Controlled by the trigger, connect to the ESC or a servo for throttle/brake.
- Channel 3: Controlled by the adjustment knob (0-100%) for optional use. This port can also be used to connect a transponder device used in racing.
- AUX (Channel 4): Controlled by button (ON/OFF) for optional use. This port is most commonly used for LED light kits. Use this port to connect an external battery for use with gas powered vehicles.

⚠ CAUTION: NEVER CONNECT A BATTERY WITH VOLTAGE HIGHER THAN 6.0V TO THE RECEIVER, DOING SO COULD DAMAGE THE ELECTRONICS.

Electric powered model
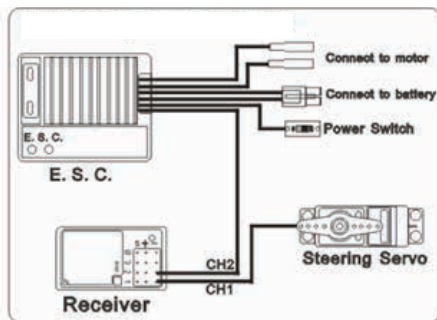
Pairing The Transmitter & Receiver

The process of allowing communication to occur between a 2.4GHz transmitter and receiver is called 'pairing' (sometimes referred to as 'matching' or 'binding'). The radio system comes pre-configured and paired from the factory. In the event that your system loses pairing, or one of the components has been replaced, you will need to pair the transmitter and receiver. Follow the steps below for pairing your radio system. For best results always ensure that both transmitter and receiver batteries are fully charged or new when performing this process.

⚠ WARNING: AS A SAFETY PRECAUTION, PERFORM THE PAIRING PROCESS WITH ALL PARTS OF YOUR VEHICLE OFF THE GROUND AND THE WHEELS FREE TO SPIN.

1. With the transmitter in close proximity but not closer than 300mm (12inches) to the receiver, turn ON the receiver (the red LED will flash slowly) and press the PAIR button (the red LED will flash quickly indicating that the receiver is not paired to a transmitter that is on).
2. Ensure you are using the correct or desired model for your vehicle, re-check then continue if necessary.
3. Press the REV button ❼ on the transmitter and turn the power ON. Release the REV button to put the transmitter into pairing mode.
4. Once the transmitter and receiver are paired, the receiver's LED will turn solid red. If the receiver's LED does not turn solid red, switch both the transmitter and receiver OFF and repeat steps 1 – 3.
5. Once pairing is complete, ensure normal operation of throttle and steering before placing the vehicle back on the ground.
6. If you experience anything other than normal operation, repeat the process or consult the Troubleshooting Guide in the full online manual.

Fail-Safe - Channel 2 (Throttle)

It is recommended and common to set the throttle fail-safe as full brake, i.e. the throttle trigger is pressed completely forward. This ensures that if the transmitter's signal is lost the servos or ESC will default to full brake, causing the vehicle to stop.

1. Turn the transmitter ON and move the throttle trigger to the desired (fully forward) position.
2. Press the Fail-Safe button ⑪ for 5 seconds until a single beep is heard. This will confirm that the throttle fail-safe has been set.
3. To test the Fail-Safe settings, turn the transmitter OFF while the receiver is ON. The servo / ESC will default to its programmed positions and the motor should not spin (assuming you have set the Fail-Safe to full brake).

Using the Transmitter for the first time

1. Turn the transmitter ON and ensure the LED is lit solid and no audible alarms are heard, thus indicating the batteries are supplying adequate voltage for proper operation.
2. Ensure you have the correct model memory selected for the vehicle you wish to drive (see selecting a model memory).
3. Ensure the battery in your vehicle is secured, charged and plugged in with proper polarity and turn your vehicle ON.

When operating the transmitter for the first time, orient yourself and the transmitter so that you are looking at the face of the transmitter wheel. We don't recommend normal operation like this due to comfort but it is a good place to start for new users.

- Turning the transmitter wheel to the left from center should make the wheels on the vehicle turn left.
- Turning the transmitter wheel to the right from center should make the wheels on the vehicle turn right.

Pushing the transmitter trigger forward (away from the handle) will typically apply brakes. However note that some ESCs are configured to go immediately into reverse. Check with your ESC owner's manual for specific operation details.

Note: If the wheels turn in the wrong direction, simply turn the steering wheel completely to the left (or right) and press the REV button for at least 3 seconds to reverse Channel 1. Consult the full manual for more information.

Selecting a Model Memory

Your transmitter can store up to 15 models in its memory, where all of the settings are stored independently for each model. This enables you to use one transmitter with up to 15 different vehicles. To change the model memory:

1. Turn ON the transmitter.
2. Press the Roller Button 15 once to access the programming list. The letters MOD will appear on the screen indicating that you are in the Model memory menu.
3. Press the Roller Button once more to enter the MOD menu that contains the 15 model memories.
4. The screen will display the current / active model memory, i.e. MOD 01.
5. Rotate the Roller Button to select the model memory you require.
6. Confirm the selection and return to the home screen by pressing the Back Button 16 twice. The new / active model memory will now be displayed below the voltage.

Basic Guide to Programming

Transmitter programming is carried out using the Roller Button 15 and the Back Button 16.

1. From the home screen press the Roller Button 15 once to access the programming list. The letters MOD will appear on the screen indicating that you are in the Model memory menu.
2. Rotating the Roller Button forwards, one stop at a time, will display the various programming options which will appear in the following order:
• MOD (Model Memory)
• TRM (Trim adjustment)
• D/R (Rate adjustment)
• EPA (End Point Adjustment)

• EXP (Exponential)
• REV (Servo reverse)
• ABS (ABS braking)
• MIX (Rock crawler steering mix / modes)
• EPA-TY
• F/S (Fail-safe)
• RST (Reset)

3. To select a particular programming option and make adjustments press the Roller Button once more.
4. Having selected the option you wish to adjust use the roller button to select (press) and adjust (roll) to suit your requirements.

By way of example, here's how you would reverse the direction of the Channel 3 servo.

1. Turn ON the transmitter.
2. Press the Roller Button 15 once to access the programming list. The letters MOD will appear on the screen.
3. Use the Roller Button to scroll forward through the programming options until you reach REV.
4. Press the Roller Button once more to enter the REV menu. ST (steering) will be displayed indicating that this is where you can reverse the steering servo.
5. Use the Roller Button to scroll forward to TH (throttle) and finally 3CH (Channel 3).
6. Press the Roller Button to display the current servo condition – NOR-3C indicates a normal servo direction whilst REV-3C indicates a reversed servo direction.
7. Use the Roller to choose the option you require.
8. Return to the home screen by pressing the Back Button three times.

FOR A DETAILED DESCRIPTION OF HOW TO PROGRAM THE OTHER MENU OPTIONS REFER TO THE FULL ONLINE MANUAL

Feature List

• 15 model memory with Pair Safe
• 2.4GHz operation avoids conflicts with other users
• Easily pairs with vehicles pre-equipped with IKONNIK Xenon technology
• Backlit LCD
• Roller button interface
• Ergonomic trigger and grip angle
• Drop-down wheel with adjustable position
• Left- and right-hand compatible operation
• Adjustable wheel tension
• Proportional steering and throttle control
• Digital steering trim
• Digital throttle trim
• End-Point Adjustment (EPA)
• Steering Dual Rate (D/R)
• Servo reversing
• Exponential
• ABS braking
• Rock crawler steering mix / modes

• Fail-safe
• Proportional 3rd channel knob
• 4th channel toggle
• Beginner mode (50% throttle)
• Feature lock
• Factory reset (each model and full memory)
• Inactivity warning
• Battery low voltage warning
• Folding antenna for storage
• Uses 4 AA batteries and compatible with NiMH packs
• Micro all-weather Xenon receiver

General Care

1. Always use clean, dry cloth or soft bristle brush to clean your equipment.
2. Never use chemical cleansers, as these could damage the sensitive electronics and plastics.