

Pentair 520546

Pentair EasyTouch Wireless Controller Kit 520546 User Manual

Model: 520546

1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your Pentair EasyTouch Wireless Controller Kit, model 520546. This kit is designed to provide convenient wireless control over your 4-circuit pool and spa functions, enhancing your pool management experience. Please read this manual thoroughly before attempting installation or operation.

2. SAFETY INFORMATION

Always observe basic safety precautions when installing and operating this product. Failure to follow these instructions could result in injury or property damage.

- **Electrical Safety:** Installation must be performed by a qualified professional and conform to all local electrical codes. Disconnect power before servicing.
- **Water Proximity:** Do not install the wireless controller where it can fall into water or be exposed to excessive moisture.
- **Children:** Keep the device out of reach of children.
- **Intended Use:** Use this product only for its intended purpose as described in this manual.

3. PACKAGE CONTENTS

Verify that all components are present in your package:

- EasyTouch Wireless Controller (Handheld Unit)
- Transceiver Unit (for communication with the main control panel)
- Mounting Hardware (screws, anchors)
- Batteries (AAA, typically Energizer)
- Wiring (if applicable for transceiver connection)
- Function Labels/Stickers



Figure 3.1: Overview of the Pentair EasyTouch Wireless Controller Kit components. This image displays the handheld wireless controller, the transceiver unit with its internal circuit board, a pack of AAA batteries, mounting hardware (screws and anchors), and a sheet of function labels.

4. SETUP AND INSTALLATION

The EasyTouch Wireless Controller Kit requires proper installation of the transceiver unit and pairing with the handheld controller.

4.1 Transceiver Installation

1. **Power Off:** Ensure the main power to your EasyTouch control panel is turned OFF at the circuit breaker before beginning installation.
2. **Locate Connection Point:** Refer to your main EasyTouch control panel manual to identify the designated port for the wireless transceiver. This is typically a communication port.
3. **Mount Transceiver:** Securely mount the transceiver unit in a suitable location, ideally within 300 feet of where the handheld controller will be used. Ensure it is protected from direct weather exposure. Use the provided mounting hardware.
4. **Connect Wiring:** Connect the transceiver to the EasyTouch control panel using the appropriate wiring. Follow the wiring diagram provided in the main EasyTouch system manual.
5. **Power On:** Once connections are secure, restore power to the EasyTouch control panel.

4.2 Handheld Controller Setup

1. **Install Batteries:** Open the battery compartment on the back of the handheld controller and insert the provided AAA batteries, observing correct polarity.
2. **Power On:** Press the power button on the handheld controller.
3. **Pairing:** Follow the on-screen prompts or refer to the main EasyTouch system manual for specific instructions on pairing the handheld controller with the newly installed transceiver. This typically involves a sequence of button presses on both units.
4. **Apply Labels:** Use the provided function labels to customize the buttons on your handheld controller according to your pool/spa setup (e.g., Pump, Lights, Heater).



Figure 4.1: Front view of the Pentair EasyTouch Wireless Controller. This image shows the display screen, navigation buttons (up, down, left, right, menu/select), and four programmable function buttons on the right side.

5. OPERATING INSTRUCTIONS

The EasyTouch Wireless Controller allows you to manage your pool and spa functions remotely.

5.1 Basic Operation

- **Power On/Off:** Press the designated power button to turn the controller on or off.
- **Function Buttons:** Use the four programmable buttons on the right side to activate or deactivate specific pool/spa circuits (e.g., pump, lights, heater). These functions correspond to the labels you applied during setup.
- **Navigation:** Use the UP/DOWN/LEFT/RIGHT arrows and the MENU/SELECT button to navigate through the on-screen menus.

5.2 Scheduling Functions

The controller offers scheduling capabilities for various pool and spa functions. Access the scheduling menu via the main menu options.

1. Navigate to the 'Schedule' or 'Timers' menu option.
2. Select the specific circuit you wish to schedule (e.g., Filter Pump, Pool Lights).
3. Set the desired ON/OFF times and days of the week for the selected function.
4. Save your changes.

5.3 Power Saving Mode

To conserve battery life, the controller includes a power saving menu option. Access this through the system settings menu to adjust display brightness or auto-off timers.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your wireless controller.

- **Cleaning:** Wipe the controller with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries promptly when the low battery indicator appears on the display. Use only AAA alkaline batteries.
- **Transceiver Location:** Periodically check the transceiver for any signs of damage or obstruction. Ensure it remains securely mounted and protected from the elements.

7. TROUBLESHOOTING

If you encounter issues with your EasyTouch Wireless Controller, refer to the following common problems and solutions:

- **Controller Not Responding:**
 - Check battery level and replace if necessary.
 - Ensure the controller is within the 300-foot operational range of the transceiver.
 - Verify that the transceiver is powered on and properly connected to the main EasyTouch panel.
 - Attempt to re-pair the controller with the transceiver.
- **Intermittent Connection:**
 - Reduce the distance between the controller and transceiver.
 - Check for sources of interference (e.g., large metal objects, other wireless devices).
 - Ensure the transceiver is not obstructed.
- **Functions Not Activating:**
 - Confirm the correct function button is being pressed.
 - Verify that the main EasyTouch control panel is operational and the specific circuit is enabled.
 - Check for any error messages on the controller display or the main EasyTouch panel.

For persistent issues, consult the comprehensive troubleshooting section of your main Pentair EasyTouch system manual or contact Pentair customer support.

8. SPECIFICATIONS

Feature	Specification
Model Number	520546
System Compatibility	EasyTouch 4-Circuit Systems
Operational Range	Up to 300 feet (line of sight)
Power Source (Handheld)	AAA Batteries
Product Dimensions	22.5 x 20.5 x 5.75 inches (packaging/overall kit)
Item Weight	1.3 pounds

9. WARRANTY AND SUPPORT

For information regarding the product warranty, please refer to the warranty documentation included with your original EasyTouch system or visit the official Pentair website. For technical support, replacement parts, or

service, please contact Pentair customer service directly. Ensure you have your model number (520546) and purchase date available when contacting support.

Pentair Official Website: www.pentair.com