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## Mega-Catch MC-P40

# Mega-Catch CO2 Gas Upgrade Kit for Premier XC Traps

Model: MC-P40

## INTRODUCTION

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This manual provides comprehensive instructions for installing and operating the Mega-Catch CO2 Gas Upgrade Kit, designed to convert your Mega-Catch Premier XC Mosquito Trap into an ULTRA-specification trap. This upgrade significantly enhances the trap's effectiveness by enabling CO2 emission, which is a powerful mosquito attractant. The CO2 upgrade increases the trap's coverage area from 1 acre to 1.5 acres and can boost mosquito capture rates by as much as 300-400%.

## SAFETY INFORMATION

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Always read and understand all instructions before installation and operation. Failure to follow safety guidelines may result in injury or damage to the product.

- Ensure the Premier XC trap is unplugged and powered off before beginning any installation.
- Handle CO2 cylinders with care. Store them in a cool, well-ventilated area, away from direct sunlight or heat sources.
- Do not attempt to modify any components of the upgrade kit or the trap beyond the instructions provided.
- Keep all components out of reach of children and pets.
- Wear appropriate personal protective equipment (PPE) if handling CO2 cylinders, such as gloves and eye protection.

## PACKAGE CONTENTS

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Verify that all items listed below are present in your CO2 Gas Upgrade Kit package:



Image: Contents of the Mega-Catch CO2 Gas Upgrade Kit. This includes the CO2 regulator assembly, connecting tubing, mounting screws, an ULTRA operation manual, and two Mega-Catch fragrance strips.

- CO2 Regulator Assembly
- CO2 Gas Tubing
- Mounting Screws (quantity as required for installation)
- ULTRA Operation Manual
- Mega-Catch Fragrance Strips (2)
- Set of Stick-on Badges (for trap identification)

## SETUP AND INSTALLATION

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This section details the steps to convert your Mega-Catch Premier XC Mosquito Trap to ULTRA specifications using the CO2 Gas Upgrade Kit.



Image: A Mega-Catch Premier XC Mosquito Trap, which is the base unit for this CO2 upgrade kit. The trap features a black housing, collection net, and a stand.

1. **Prepare the Trap:** Ensure your Mega-Catch Premier XC Mosquito Trap is unplugged and completely powered off.

Place it on a stable, flat surface.

2. **Locate CO2 Port:** Identify the designated CO2 port on your Premier XC trap. Refer to the included ULTRA manual for precise location if unsure.
3. **Install Regulator Assembly:** Attach the CO2 regulator assembly to the trap using the provided mounting screws. Ensure it is securely fastened.
4. **Connect Tubing:** Connect one end of the CO2 gas tubing to the regulator assembly and the other end to the CO2 port on the trap. Ensure connections are tight to prevent gas leaks.
5. **Attach CO2 Cylinder:** Securely attach a compatible CO2 gas cylinder (not included) to the CO2 regulator assembly. Follow the cylinder manufacturer's instructions for attachment.
6. **Apply Badges:** Use the provided stick-on badges to update your trap's identification to reflect its new ULTRA specifications.
7. **Insert Fragrance Strips:** Open the Mega-Catch fragrance strips. Insert them into the designated slots on the trap. These strips enhance attraction.



Image: Two black Mega-Catch fragrance strips, designed to be inserted into the trap to enhance its mosquito-attracting capabilities.

8. **Review ULTRA Manual:** Thoroughly read the included ULTRA manual for detailed operational procedures specific to the upgraded trap.

## OPERATING INSTRUCTIONS

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Once the CO2 Gas Upgrade Kit is installed, operate your Mega-Catch ULTRA trap as follows:

- **Power On:** Plug in and power on your Mega-Catch ULTRA trap.
- **Activate CO2:** Follow the instructions in the ULTRA manual to activate the CO2 emission. This typically involves opening a valve on the regulator.
- **Placement:** Position the trap in an area with high mosquito activity, away from competing light sources and strong winds. Ensure it is placed on a level surface.
- **Monitoring:** Regularly check the CO2 cylinder pressure and replace it when empty. Monitor the collection net and empty it as needed.
- **Optimal Performance:** For best results, operate the trap continuously, especially during peak mosquito hours (dusk and dawn).

## MAINTENANCE

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Regular maintenance ensures the longevity and effectiveness of your Mega-Catch ULTRA trap:

- **CO2 Cylinder Replacement:** Replace the CO2 cylinder as soon as it is depleted to maintain continuous operation.
- **Collection Net:** Empty the collection net regularly, or when it appears full, to prevent clogging and maintain airflow.
- **Fragrance Strips:** Replace the Mega-Catch fragrance strips every 30-60 days, or as recommended in the ULTRA manual, to ensure maximum attraction.
- **Cleaning:** Periodically clean the exterior of the trap and the CO2 regulator assembly with a damp cloth. Do not use harsh chemicals or abrasive cleaners.

- **Storage:** If storing the trap for an extended period, disconnect the CO2 cylinder, remove fragrance strips, and clean the unit thoroughly. Store in a dry, protected area.

## TROUBLESHOOTING

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If you encounter issues with your Mega-Catch ULTRA trap after installing the CO2 upgrade kit, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No CO2 emission	CO2 cylinder empty or valve closed; tubing kinked or disconnected.	Replace CO2 cylinder; open cylinder valve; check tubing for kinks or disconnections.
Low mosquito catch rate	Depleted fragrance strips; improper trap placement; CO2 emission issues.	Replace fragrance strips; relocate trap to a more active area; verify CO2 flow.
Unusual noise from regulator	Loose connection; internal regulator issue.	Check all connections for tightness. If noise persists, contact Mega-Catch support.

For more detailed troubleshooting, consult the comprehensive ULTRA Operation Manual included with your kit.

## SPECIFICATIONS

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- **Brand:** Mega-Catch
- **Model Number:** MC-P40
- **UPC:** 874296000422
- **Item Weight:** Approximately 5 pounds (kit components)
- **Product Dimensions:** 10 x 8 x 10 inches (packaging/kit components)
- **Target Species:** Mosquito
- **Compatibility:** Mega-Catch Premier XC Mosquito Traps (converts to ULTRA specifications)
- **Enhanced Coverage Area:** Up to 1.5 acres (when combined with trap)
- **Increased Capture Rate:** Up to 300-400% (when combined with trap)

## WARRANTY AND SUPPORT

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For warranty information, technical support, or to purchase replacement parts, please contact Mega-Catch customer service. Refer to the contact details provided in the ULTRA Operation Manual or visit the official Mega-Catch website.

**Website:** [Mega-Catch Official Store on Amazon](#)