

Crown CT34052

Crown Automatic Voltage Regulator CT34052 User Manual

Model: CT34052 (FVR-500VA)

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation of your Crown Automatic Voltage Regulator, model CT34052 (FVR-500VA). This device is designed to protect your electronic equipment from voltage fluctuations by providing a stable output voltage within a specified range. Please read this manual thoroughly before installation and use, and retain it for future reference.

2. SAFETY INSTRUCTIONS

To prevent damage to the unit or connected equipment, and to avoid personal injury, observe the following safety precautions:

- Do not open the casing of the voltage regulator. There are no user-serviceable parts inside.
- Ensure the unit is placed in a well-ventilated area, away from direct sunlight, heat sources, and moisture.
- Do not block the ventilation grilles on the unit.
- Connect the regulator only to a properly grounded electrical outlet.
- Do not overload the regulator. The maximum output capacity is 500W.
- Keep the unit away from children and pets.
- If the unit emits smoke, unusual odors, or makes abnormal noises, immediately disconnect it from the power supply and contact qualified service personnel.

3. PRODUCT OVERVIEW

The Crown Automatic Voltage Regulator CT34052 is designed to provide stable power to your sensitive electronics. It features a compact design with a digital display for monitoring voltage levels.

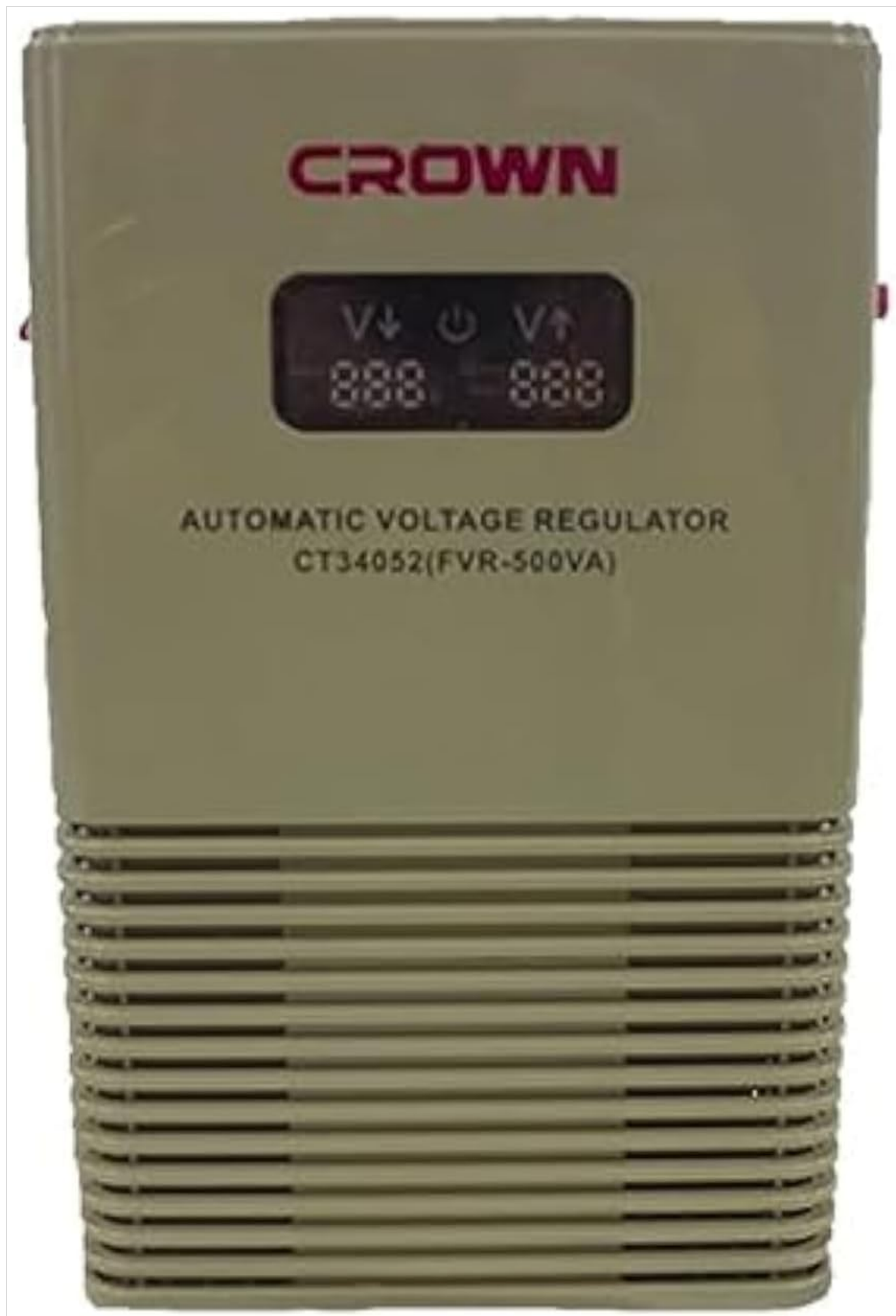


Figure 1: Front view of the Crown Automatic Voltage Regulator CT34052. The image displays the unit's front panel, featuring the 'CROWN'

logo at the top, a digital display in the center showing input and output voltage indicators, and horizontal ventilation grilles covering the lower half of the unit. The model number 'CT34052 (FVR-500VA)' is printed below the display.

Key Components:

- **Digital Display:** Shows real-time input and output voltage.
- **Power Indicator:** (Assumed, based on typical AVRs) Indicates operational status.
- **Input/Output Sockets:** (Located on rear/sides, not visible in image) For connecting power source and devices.
- **Ventilation Grilles:** Located on the bottom front, sides, and possibly rear for heat dissipation.

4. SETUP

Follow these steps to set up your automatic voltage regulator:

1. **Unpacking:** Carefully remove the regulator from its packaging. Inspect it for any signs of damage.
2. **Placement:** Place the unit on a stable, flat surface. Ensure there is adequate space (at least 10-15 cm) around all sides for proper ventilation. Avoid placing it near sources of heat or in direct sunlight.
3. **Input Power Connection:** Connect the power cord of the voltage regulator to a standard AC power outlet (140-260V).
4. **Device Connection:** Plug your electronic devices (e.g., computer, TV, refrigerator) into the output sockets of the voltage regulator. Ensure the total power consumption of all connected devices does not exceed 500W.
5. **Initial Power On:** Once all connections are secure, switch on the power button on the regulator (if present). The digital display should illuminate, showing the input and output voltage.

5. OPERATING INSTRUCTIONS

The Crown Automatic Voltage Regulator operates automatically to stabilize the output voltage.

- **Automatic Regulation:** The regulator continuously monitors the input voltage. If the input voltage deviates from the acceptable range (140-260V), the unit will automatically adjust the output voltage to a stable level, typically 220V or 230V, depending on the model's specific calibration.
- **Digital Display:** The digital display provides real-time readings of both the input voltage ($V_{\downarrow}$) and the regulated output voltage ($V_{\uparrow}$). Monitor these readings to ensure stable operation.
- **Protection Features:** The unit is equipped with protection against over-voltage, under-voltage, overload, and short circuits. In case of an anomaly, the regulator may temporarily shut down to protect connected devices.
- **Power On/Off:** Use the main power switch (if available) to turn the unit on or off. It is recommended to turn off the regulator before disconnecting any devices or the main power supply.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your voltage regulator.

- **Cleaning:** Regularly clean the exterior of the unit with a soft, dry cloth. Do not use liquid cleaners or solvents. Ensure the ventilation grilles are free from dust and debris to prevent overheating.
- **Ventilation:** Periodically check that the ventilation openings are not obstructed. Good airflow is crucial for the unit's cooling.
- **Storage:** If storing the unit for an extended period, disconnect it from power, clean it, and store it in a cool, dry place away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

If you encounter issues with your voltage regulator, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power/Display off	Power cord loose, wall outlet faulty, unit switch off.	Check power cord connection. Test wall outlet with another device. Ensure unit's power switch is ON.
Output voltage unstable/incorrect	Input voltage outside specified range, overloaded.	Verify input voltage is within 140-260V. Reduce total load on the regulator (max 500W).
Unit shuts down automatically	Overload, over-voltage, under-voltage, or overheating.	Disconnect some devices to reduce load. Check input voltage. Ensure proper ventilation. Allow unit to cool down.
Unusual noise or smell	Internal fault.	Immediately disconnect from power. Do not attempt to repair. Contact customer support.

If the problem persists after attempting these solutions, contact customer support for assistance.

8. SPECIFICATIONS

Feature	Specification
Model Number	CT34052 (FVR-500VA)
Input Voltage Range	140V - 260V AC
Output Power Capacity	500W
Manufacturer	CROWN
Dimensions (L x W x H)	10 x 20 x 37 cm
Item Weight	209 g
Power Source Type	AC

9. WARRANTY AND SUPPORT

This product comes with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your purchase or contact your retailer. For technical support or service inquiries, please contact Crown customer service through their official website or the contact information provided with your product documentation.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question