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› Waytronic USB Programmer V1.02 for WTN6 and WT588 Series Voice Chips

Waytronic X02050606002

Waytronic USB Programmer V1.02 Instruction Manual

Model: X02050606002

INTRODUCTION

This manual provides detailed instructions for the Waytronic USB Programmer V1.02. This device is designed to facilitate the programming and replacement of voice content for Waytronic WTN6 series and WT588 series chips. It enables users to quickly switch voice content and is often used in conjunction with VSB boards for efficient testing.

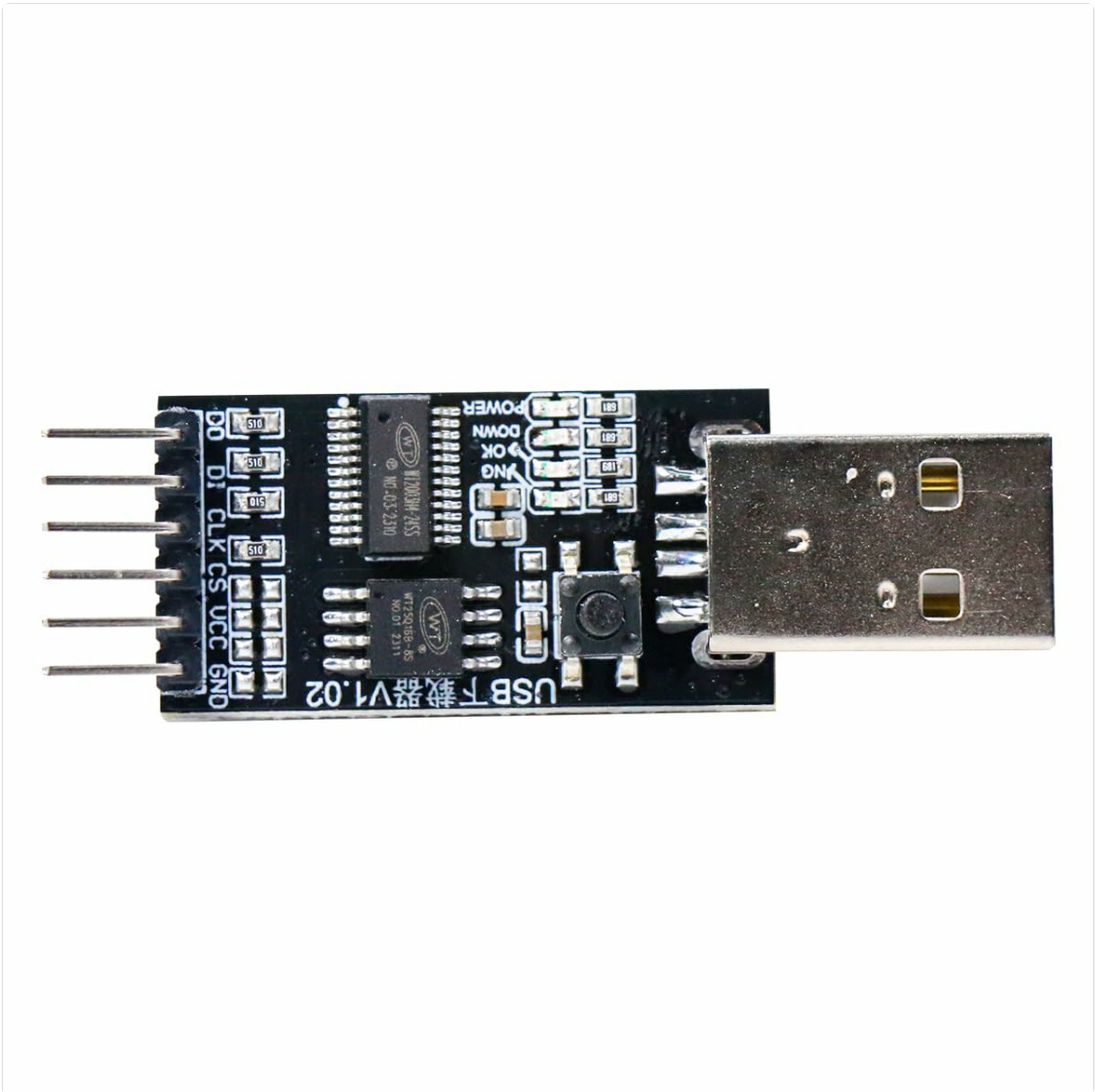


Image: The Waytronic USB Programmer V1.02, showing its compact design with a USB-A connector on one end and pin headers on the other for connecting to target chips.

SETUP

Before using the Waytronic USB Programmer V1.02, ensure you have the necessary software and drivers installed on your computer. The programmer connects directly to a USB port on your computer and interfaces with the target voice chip or VSB board via its pin headers.

1. **Software Installation:** Download and install the official Waytronic programming software (e.g., WTV/WT2003H downloader) compatible with WTN6 and WT588 series chips from the Waytronic website.
2. **Driver Installation:** Ensure all necessary USB drivers for the programmer are installed. These are typically included with the programming software or available separately from Waytronic.
3. **Connecting the Programmer:** Insert the USB Programmer V1.02 into an available USB port on your computer.
4. **Connecting to Target Chip/VSB Board:** Connect the pin headers of the USB Programmer to the corresponding pins on your WTN6 or WT588 series voice chip or VSB board. Refer to the pinout diagram for correct connections (DO, DI, CLK, CS, VCC, GND).



Image: Diagram illustrating the connection of a USB Downloader V1.00 (similar to the V1.02) to a VSB board for

OPERATING INSTRUCTIONS

Once the programmer is set up and connected, you can proceed with programming or replacing voice content.

1. **Launch Programming Software:** Open the Waytronic programming software on your computer.
2. **Select Chip Model:** Within the software, select the specific model of your WTN6 or WT588 series chip.
3. **Load Voice Content:** Load the desired voice content files (e.g., audio files in a compatible format) into the programming software.
4. **Initiate Programming:** Follow the software's instructions to initiate the programming process. The programmer will transfer the voice content to the connected chip.
5. **Verify Programming:** After programming, the software should indicate successful completion. You can then test the chip, especially when used with VSB boards, to verify the new voice content.

The programmer supports quick switching of voices, allowing for efficient development and testing cycles.

MAINTENANCE

The Waytronic USB Programmer V1.02 is a robust device designed for durability. Minimal maintenance is required.

- **Storage:** Store the programmer in a dry, dust-free environment when not in use.
- **Cleaning:** If necessary, gently wipe the device with a soft, dry cloth. Avoid using liquid cleaners or solvents.
- **Handling:** Handle the programmer by its body, avoiding excessive force on the USB connector or pin headers.

TROUBLESHOOTING

If you encounter issues while using the USB Programmer, consider the following:

- **Programmer Not Recognized:**
 - Ensure the programmer is fully inserted into the USB port.
 - Check if the necessary drivers are correctly installed. Try reinstalling them.
 - Test with a different USB port or computer.
- **Programming Failure:**
 - Verify that the pin connections to the target chip/VSB board are correct and secure.
 - Confirm that the correct chip model is selected in the programming software.
 - Ensure the voice content files are not corrupted and are in a compatible format.
 - Check for any error messages displayed by the programming software for specific guidance.
- **Incorrect Voice Playback:**

- Re-verify the programming steps to ensure the correct voice content was uploaded.
- Ensure the VSB board or target circuit is functioning correctly.

SPECIFICATIONS

Feature	Detail
Model Number	X02050606002
Compatibility	WTN6 series chips, WT588 series chips
Function	Voice content replacement, quick voice switching
Interface	USB-A, Pin Headers (DO, DI, CLK, CS, VCC, GND)
Dimensions	Approximately 4.88 x 4.06 x 0.98 inches
Weight	Approximately 0.67 ounces
Manufacturer	Waytronic

WARRANTY AND SUPPORT

Specific warranty information for the Waytronic USB Programmer V1.02 is not provided in the product details. For warranty claims, technical support, or further assistance, please contact Waytronic directly through their official website or authorized distributors. Keep your purchase receipt as proof of purchase.