

SANWA PROGRAM-BOX

SANWA Program Box for Super Vortex Gen2 ESC

Model: PROGRAM-BOX

INTRODUCTION

The SANWA Program Box is an essential accessory designed for use with the SANWA Super Vortex Gen2 Electronic Speed Controller (ESC). This device provides a convenient interface for adjusting ESC parameters and performing firmware updates, ensuring optimal performance and compatibility. It also features a MicroSD card slot for saving and loading programming profiles.

SAFETY INFORMATION

- Always disconnect the ESC from the power source (battery) before connecting or disconnecting the Program Box.
- Ensure correct polarity when connecting the Program Box to the ESC. Incorrect connection can damage both devices.
- Do not expose the Program Box to moisture, extreme temperatures, or direct sunlight.
- Keep the device out of reach of children.
- Use only genuine SANWA accessories and parts.

PACKAGE CONTENTS

- SANWA Program Box (PROGRAM-BOX)
- Connection Cable
- Instruction Manual

Note: A MicroSD card is not included and must be purchased separately if you wish to save programming profiles.

PRODUCT OVERVIEW



Figure 1: Front view of the SANWA Program Box, showing the LCD screen, navigation buttons, and MicroSD card slot.

Components:

- **LCD Screen:** Displays menu options, parameters, and values.
- **ACCESS / MicroSD Slot:** Port for inserting a MicroSD card (not included) to save and load settings.
- **Up/Down Buttons (▲ / ▼):** Used for navigating through menus and adjusting parameter values.
- **ENTER Button:** Confirms selections and enters sub-menus.
- **BACK Button:** Returns to the previous menu or cancels an operation.
- **Connection Port:** Located on the side or back, used to connect the Program Box to the ESC via the provided cable.

SETUP

Connecting to the ESC:

1. Ensure your Super Vortex Gen2 ESC is powered off and disconnected from the battery.
2. Connect one end of the provided connection cable to the designated port on the SANWA Program Box.
3. Connect the other end of the cable to the programming port on your Super Vortex Gen2 ESC. Refer to your ESC manual for the exact location of this port.
4. Connect the ESC to a power source (battery). The Program Box will power on automatically.

Inserting a MicroSD Card:

1. Locate the MicroSD card slot on the Program Box.
2. Gently insert a MicroSD card (not included) into the slot until it clicks into place. Ensure the card is oriented correctly.
3. To remove, gently push the card in until it clicks, then release, and it will eject.

OPERATING INSTRUCTIONS

Navigating Menus:

- Use the **Up (▲)** and **Down (▼)** buttons to scroll through menu options or adjust values.
- Press the **ENTER** button to select a menu item or confirm a value.
- Press the **BACK** button to return to the previous menu or cancel an action.

Programming ESC Parameters:

1. With the Program Box connected and powered on, the main menu will appear.
2. Navigate to the 'Program' or 'Settings' menu using the Up/Down buttons and press ENTER.
3. Select the specific parameter you wish to adjust (e.g., 'Timing', 'Punch', 'Brake').
4. Use the Up/Down buttons to change the value of the selected parameter.
5. Press ENTER to confirm the new value. The setting will be applied to the ESC.
6. Repeat for all desired parameters.
7. Press BACK repeatedly to return to the main menu.

Firmware Update:

To update the ESC firmware, you will typically need to download the latest firmware file from the SANWA website and save it to a MicroSD card. Then:

1. Insert the MicroSD card containing the firmware file into the Program Box.
2. Navigate to the 'Firmware Update' or 'Tools' menu on the Program Box.
3. Select the firmware file from the MicroSD card.
4. Confirm the update process. Do not disconnect the Program Box or power off the ESC during the update.
5. Once complete, the Program Box will indicate a successful update.

Saving/Loading Profiles (with MicroSD card):

1. Ensure a MicroSD card is inserted.
2. Navigate to the 'Save Profile' or 'Load Profile' option in the menu.
3. Follow the on-screen prompts to save the current ESC settings to a file on the MicroSD card or load a previously saved profile.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the Program Box. Do not use liquid cleaners or solvents.
- **Storage:** Store the Program Box in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Care:** Avoid bending or crimping the connection cable excessively to prevent internal damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Program Box does not power on.	Incorrect connection to ESC; ESC not powered; Faulty cable.	Ensure cable is securely connected to both devices. Verify ESC is powered by a charged battery. Try a different cable if available.

Problem	Possible Cause	Solution
Cannot connect to ESC.	Incorrect port used on ESC; Incompatible ESC model.	Confirm you are using the correct programming port on the Super Vortex Gen2 ESC. This Program Box is only compatible with Super Vortex Gen2 ESCs.
Firmware update fails.	Corrupt firmware file; MicroSD card issue; Power interruption.	Re-download the firmware file and ensure it's correctly placed on the MicroSD card. Ensure stable power during the update. Try a different MicroSD card.
Settings not saving to MicroSD.	MicroSD card not inserted; Card full; Card corrupted.	Ensure MicroSD card is properly inserted. Check card capacity. Format or replace the MicroSD card.

SPECIFICATIONS

- **Model:** PROGRAM-BOX
- **Compatibility:** SANWA Super Vortex Gen2 ESC
- **Dimensions:** Approximately 4 x 2.75 x 1.75 inches (101.6 x 69.85 x 44.45 mm)
- **Weight:** Approximately 0.25 Pounds (113 grams)
- **Storage:** MicroSD card slot (card not included)
- **Manufacturer:** SANWA
- **ASIN:** B07NBPB3DF

WARRANTY AND SUPPORT

SANWA products are manufactured to high-quality standards. For specific warranty information, please refer to the warranty card included with your product or visit the official SANWA website. For technical support, troubleshooting assistance, or service inquiries, please contact SANWA customer service through their official channels.