

This product is used to connect Mini-Z ASF 2.4GHz series or dNaNo FX series models to a personal computer, and through a special software program it can adjust steering and throttle settings.

*Standard settings are set at time of shipment.

System Requirements

Computer with Microsoft Windows 2000 Windows XP or Windows Vista and one available USB port (1.1 or 2.0).

Windows 2000 Windows XP or Windows Vista (Normal function with emulators is not guaranteed).

CD-ROM Drive

No. 82080

Instruction Manual

Mini-Z ASF 2.4 GHz series or dNaNo FX series model

dNaRo USB Adapter with 4-pin Cable

CD-ROM

Required for Operation

Preparations required before use

Connect USB adapter and install the software driver

This enables the USB Adapter to work on your computer

Plug the USB Adapter into the USB port on the computer. The USB adapter may not function properly if using a USB hub or a USB extension cable.

If there is more than one USB port on your computer, try to use the same USB port for the USB Adapter each time. Using a different port may require the software driver to be re-installed.

These instructions relate to standard computer screen settings and may differ according to your

computer setup or customized screen settings.

1. Connect the USB Adapter directly to the USB port on the computer.

2. Click on the text balloon.

A window with the Found New Hardware Wizard should then be displayed.

'Found New Hardware Wizard' should appear in a text balloon on the screen.

If your computer is not connected to the internet, the screen to the left will not be displayed.

Proceed to step 4.

3. Choose 'No, do not connect at this time' and then click Next.

4. Choose 'Install from a list or specific location' and click Next.

5. Choose 'Include this location in the search' and click 'Browse'. Insert the CD-ROM into the CD-ROM drive (or DVD-ROM) and choose the folder named 'Driver' and click Next.

6. Click 'Continue'.

Installation will commence.

In some cases 'Insert disk' or 'File Required' messages are displayed during installation. If this occurs, please follow the steps below.

If 'Insert Disk' message window appears, click OK.

If 'File Required' message window appears, click 'Browse' and then after clicking the 'Driver' folder on the CD-ROM, click 'ftdibus.sys' or 'ftser2k.sys' then click 'Open'.

Please refer to this instruction manual and the steps that follow to complete installation.

Confirm COM port setting

2. Click 'Device Manager'.

Device Manager window is displayed.

3. Double-click 'Port' and confirm that ' ADAPTER (COM 'X"))' is displayed.

X' indicates the number that the software will use. Write it down as it will need to be referred to later.

These instructions use the number 3 as an example for 'X', but your computer or USB port may assign a different number. Make sure to check the port number used on your computer.

If the USB Adapter is not installed correctly, it will not be displayed. In this case, repeat the 'USB Adapter USB Adapter connection and driver installation' .

Copying the Software

How to copy

Make sure the software program is copied to your computer before you use it. The software may not function properly or show errors and not record data if the software program is started directly from

the CD-ROM.

1. Open the 'Software' folder on the CD-ROM and copy the software to a location on your computer.
2. Confirm that the saved folder is indicated by the icon below.

Special Software Program

-MiniZ_ASF_ICS_manager.exe

Software program for the ASF 2.4GHz system Mini-Z Series models

-dNaNo_ICS_manager.exe

Software program for the dNaNo FX series models

MiniZ_ASF_ICS_manager.exe dNaNo_ICS_manager.exe

How to connect the model to the computer and use the software

1. Connect the USB Adapter
2. Connect the Cable to the (Mini-Z or dNaNo) model.

The connectors are designed to prevent reverse connection. If connection seems too tight, disconnect

and check the direction of the connectors, then re-connect.

4. While pushing the pairing switch down, turn the power ON.
5. Start the software program that was copied at 'Copying the software'.

Mini-Z ASF 2.4GHz Series

-Double-click 'MiniZ_ASF_ICS_manager.exe'

dNaNo FX Series

-Double-click dNaNo_ICS_manager.exe

Check that the Pairing LED indicator is on. When the LED indicator is on, data is able to be transmitted. If the LED indicator is not on, repeat step 4. For the location of the LED indicator on the chassis, refer to the instruction manual for each model.

Explanation of Software Program Interface

When each function of the software is used, the following window is displayed.

First complete the 'COM(M)' settings (refer to 'COM(M)').

The screen displayed below is the default setting at time of shipment.

Names and functions of parameters

GAIN

Changes the characteristics of the steering servo.

Adjust settings left to right on the screen from Min, Med, Strong. This setting controls the strength the servo uses to retain its current position in response to external force.

SPEED (Servo Speed)

Adjusts the speed at when the servo responds to transmitter signals. Adjust settings left to right on the screen from Slow, 2, 3, 4, Fast to set the servo response speed.

PNCH (Punch)

Sets the servo's initial response speed. Settings from 1 (low) to 10 (High) are available. Lower settings are similar to analog servo movement. If steering control is too sharp and makes control difficult, try a lower setting.

D.BAND (Dead Band)

This sets the width that initiates servo response to external force. Narrow, Mid and Wide settings are available. Adjust from right to left on the screen to reduce the width of the dead band and thereby increase the sensitivity of the servo's movement to external force.

DUMP (Dumping)

This sets the characteristics of the servo when it is stopped. Smooth setting brakes the servo to stop just before the target position, while Over setting brakes the servo on the target position so it goes slightly past and then returns.

D.FREQ (Motor Drive Frequency)

Sets the motor drive frequency on the throttle to 5kHz, 2.5kHz or 1.2kHz. Changes the frequency of the entire throttle input side. Generally speaking, lower frequency settings produce higher torque

and lower energy efficiency.

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Button Names and Functions

Program

The connection settings displayed now will be saved on the chassis. As these settings will

overwrite the existing settings, saving the existing settings from the chassis is recommended.

Read

Saves the setting data from the chassis to the computer it is connected to.

Please note that

saving data will overwrite any data that is displayed on the screen.

Reset

Returns all settings on the connected chassis back to the factory default settings. Remember

this when using this function.

*After clicking 'Reset' always click 'Program'. Just clicking 'Reset' will not reflect the changes.

Load

Displays the data saved on the computer's hard disk.

Save

Saves the setting data currently displayed on the screen to the computer's hard disk.

This will not save any setting data onto the chassis.

You can only save one set of data on the chassis at a time. Keeping multiple sets of data

saved on the computer is recommended.

Exit

Closes the software program__