

Revision	Change	Approved	Date
1	Initial release	mje	6/12/2018



SUPPLEMENTARY INSTRUCTION

SI-006 AC200 User Software

INSTRUCTIONS

Part / Assy #		AC-200 Control box
Drawing #		
Applicability		V5 up
Compliance		

SUBJECT: AC200 DIAGNOSTIC SOFTWARE

1. Introduction

This document is intended to assist the propeller operator in using the diagnostic tools available for the AC200 digital governor. From series 5 hardware revision on, the AC200 has an logging facility which can record various parameters and operating data into internal flash memory. This data can be retrieved with the use of the diagnostic tool.

2. Material Information

2.1 Parts Required

Item	Assy No.	Description
1	A0117	AC200 USB serial cable assy
2		AC200 Diagnostic Tool

3. Download Diagnostic Tool

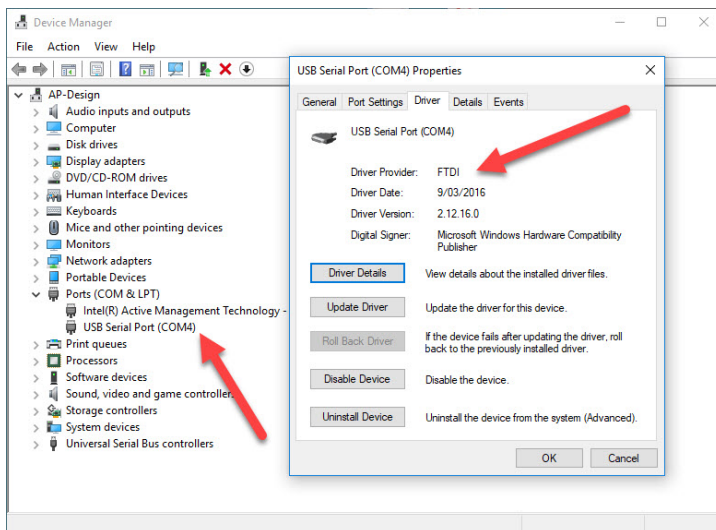
Download the latest version of the AC200 Diagnostic Tool from the Airmaster Dropbox . Store to a convenient folder. To gain access to the dropbox folder contact Airmaster support support@airmasterpropellers.com .

4. Installing USB Driver

Plug the USB cable into your windows laptop.

Note: **On win10 the driver should load automatically.**

Note: On other systems check the driver that has been installed under \Control Panel\ USB Serial Port



Drivers can be downloaded from the FTDI website <http://www.ftdichip.com/Drivers/VCP.htm>

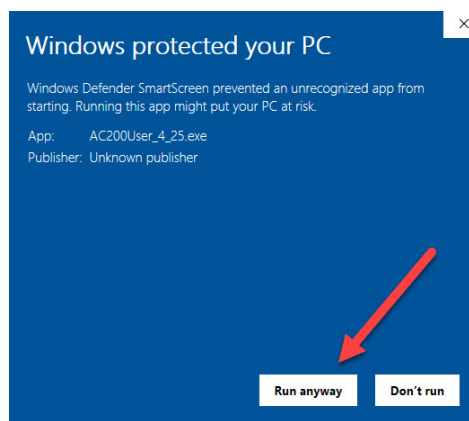
Note: A more detailed description of how to download the drivers from the FTDI website is included at the end of this document.

5. Connecting PC to AC200 Controller

Take the AC200 communications cable supplied, and connect PC and controller as follows:

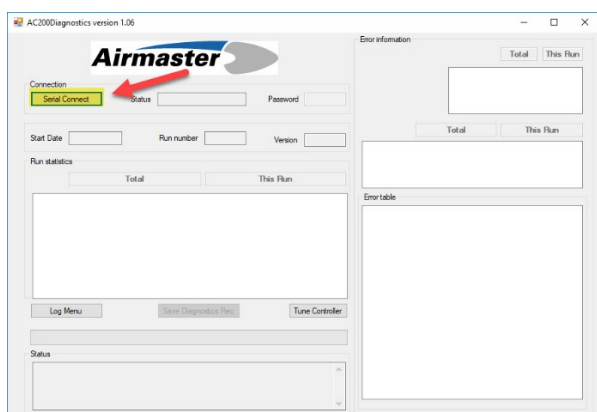
- Connect the USB plug to a USB port on the PC.
- Connect the 4 way connector to the connector CN4 on the rear of the AC200 controller.
- Turn on the power supply to the AC200 controller by turning on the aircraft power.
- Run AC200 Diagnostic Tool on the PC.

Note: You may see some windows warning you about running this software. This is normal. Select 'More Info' and 'Run Anyway'.

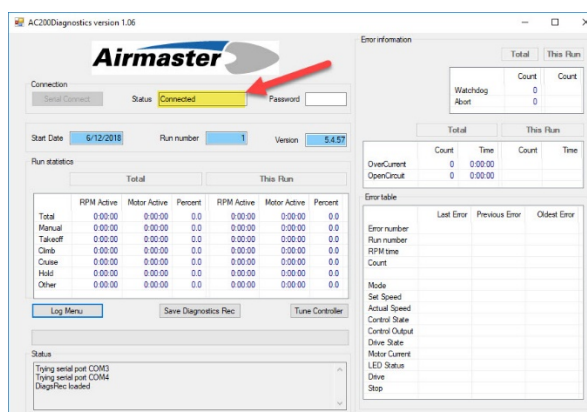


- Select 'Connect'

After a few seconds the software will show that it is connected to the controller and some data will be displayed.



Press Connect

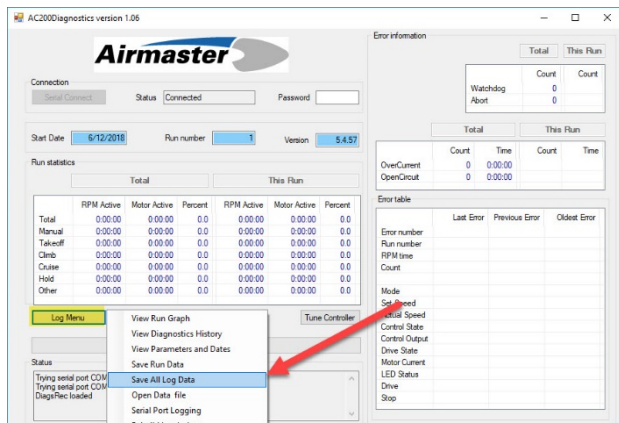


Controller connected

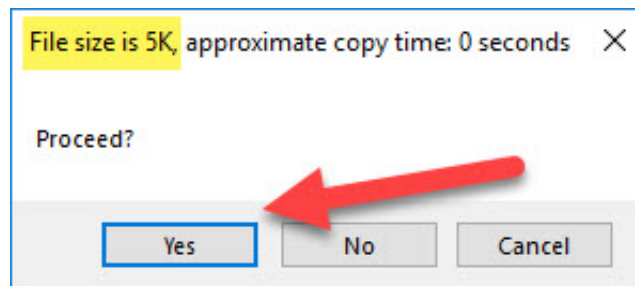
Note: If the software shows that it is not connected, check that the com port selection displayed at the bottom of the software window is the same as that used by the cable. If this does not work, check that no other software on the PC has taken control of the com port. Contact Airmaster Propellers Ltd if further trouble is experienced.

6. Saving Log Data

- Select 'Save All Log Data' from the Log Menu button on PC
- Note the file size and select 'Yes' to proceed

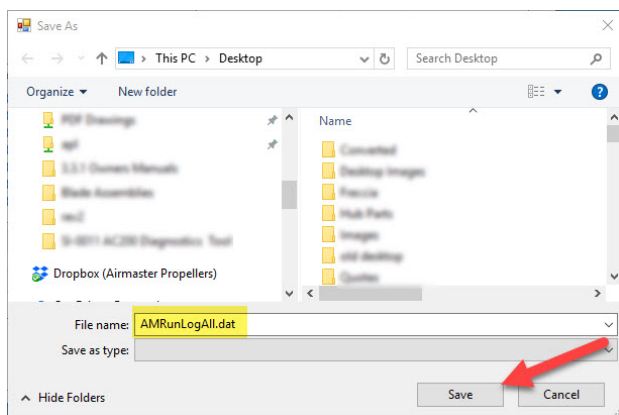


Select "Save All Log Data"

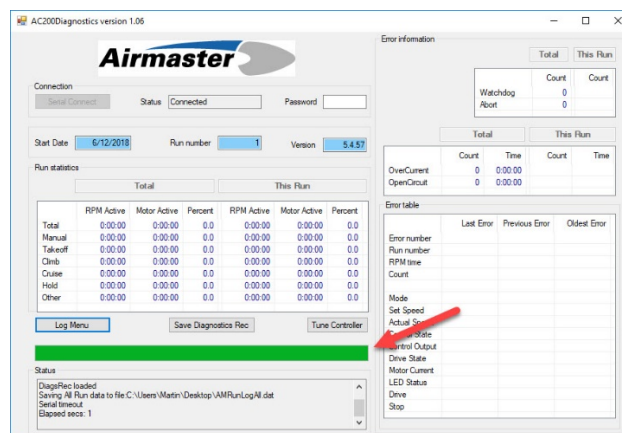


Confirming File Size

- Append the name of the data file to identify it and select a convenient folder to store it in. select save
- Progress of data save will be indicated by green progress bar



Name saved Log



Save Progress

- Email the saved dat file to Airmaster propellers for analysis

7. Appendix A (Downloading FTDI drivers)

Here are some supplementary notes on downloading FTDI usb drivers

- a. Go to FTDI driver web page <https://www.ftdichip.com/Drivers/VCP.htm> and select the 'setup executable'

Currently Supported VCP Drivers:

Operating System	Release Date	Processor Architecture							Comments
		x86 (32-bit)	x64 (64-bit)	PPC	ARM	MIPSII	MIPSIV	SH4	
Windows*	2017-08-30	2.12.28	2.12.28	-	-	-	-	-	WHQL Certified. Includes VCP and D2XX. Available as a setup executable. Please read the Release Notes and Installation Guides.
Linux	-	-	-	-	-	-	-	-	All FTDI devices now supported in Ubuntu 11.10, kernel 3.0.0-19. Refer to TN-101 if you need a custom VCP VID/PID in Linux. VCP drivers are integrated into the kernel.
Mac OS X 10.3 to 10.6	2012-08-10	2.2.18	2.2.18	2.2.18	-	-	-	-	Refer to TN-105 if you need a custom VCP VID/PID in MAC OS.
Mac OS X 10.9 and above	2017-05-12	-	2.4.2	-	-	-	-	-	This driver is signed by Apple.

- b. Open the setup zip file from the download page

Open File - Security Warning

Do you want to open this file?

Name: C:\Users\Martin\Downloads\CDM21228_Setup.zip
 Publisher: Unknown Publisher
 Type: WinZip File
 From: C:\Users\Martin\Downloads\CDM21228_Setup.zip

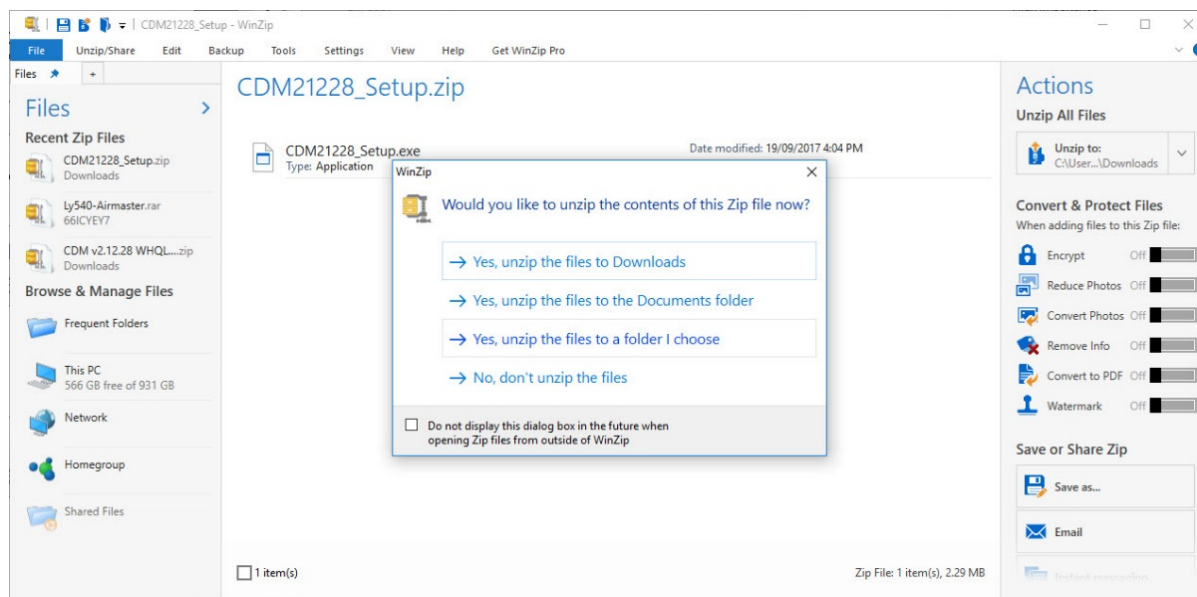
☒ Always ask before opening this file

While files from the Internet can be useful, this file type potentially can harm your computer. If you do not trust the source, do not open this file. [What's the risk?](#)

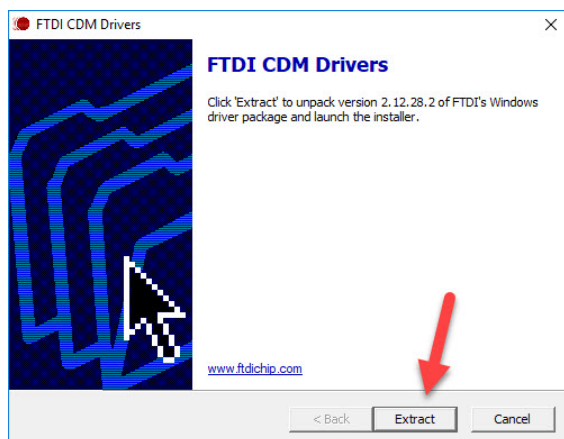
Click file to open

Confirm open

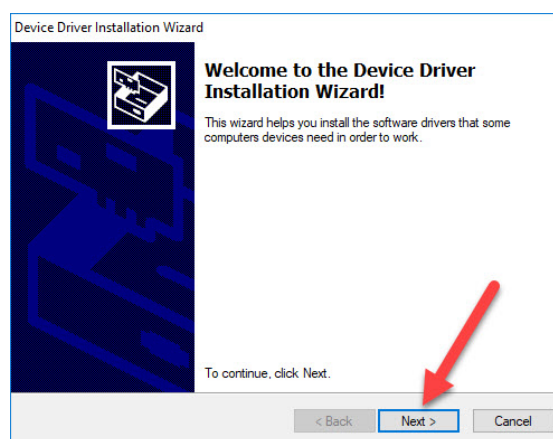
c. Choose temp folder to unzip executable



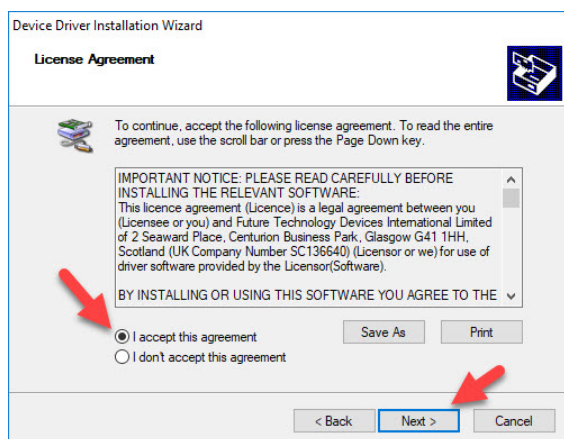
d. Confirm Extraction

**Confirm Extraction**

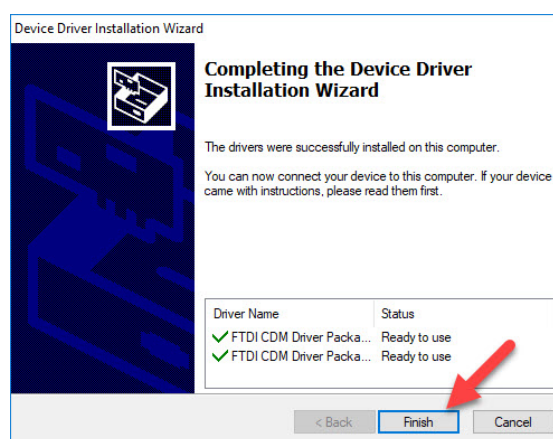
e. Confirm Next

**Confirm Next**

f. Accept Agreement

**Accept Agreement**

g. Confirm Finish

**Confirm Finish**

h. Check Com port in 'Device Manager'

