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



SUPPLEMENTARY INSTRUCTION

SI-011 AC200 DIAGNOSTIC TOOL

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 <u>support@airmasterpropellers.com</u>.

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:

- a. Connect the USB plug to a USB port on the PC.
- b. Connect the 4 way connector to the connector CN4 on the rear of the AC200 controller.
- c. Turn on the power supply to the AC200 controller by turning on the aircraft power.
- d. 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'.



e. Select 'Connect'

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

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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

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



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

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e. 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 <u>https://www.ftdichip.com/Drivers/VCP.htm</u> and select the 'setup executable'



b. Open the setup zip file from the download page

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c. Choose temp folder to unzip executable

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d. Confirm Extraction



Confirm Extraction

e. Confirm Next



Confirm Next

f. Accept Agreement



Accept Agreement

g. Confirm Finish



Confirm Finish

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