REVISION	CHANGE	APPROVED	DATE
0	Provisional release	JTS	29/11/2023
1	Updated to include AC300 controllers	JTS	03/12/2024



APL-SI-00xx

DESCRIPTION & USE OF USER PROGRAM

PROCEDURE

Connected	Load Par File	Save Par File	Password		AC200 V5F.4	.70)
ight Variables			Control Settings Beta	Remote Con	trol N + +	Status		
	Setting	Prop RPM				Mode	TAKE OFF	
Take Off RPM (110)	5700	2345	Control Type	Feather		Set Speed	5700	
	5700	2010	Control Value (200)	75 [rp:	m/tick]	Actual Speed	0	ī
Climb RPM (111)	5400					Error	-5700	ī
Cruise RPM (112)	5000	2057	Dead Band (201)	60		Control State	IDLE	
Hold RPM (113)	4800	1975	Slave Dead Band (202)	50		Control Output	0	
Hold RPM Max (120)	5700	2345	Master=1;Slave=2 (203)	0		Drive State		4
Hold RPM Min (121)	4000	1646	Aux Port (0;1;2) (204)	0		Drive State	IDLE	
						Motor Current	39	
Load Current S	ettings from AC2	200				Fi Drive	Co F	ie T
Update AC200	with New Settin	ings				Stop 🗌		Ē
0,000,0200	marrier octa	go				Blade angle		
						De jeer Current		
Airmas	ster,					Dercer Current		
liagnostics				RPM Tes	t RealTir	neClock	Start Lo	aaina
rying serial port COM1 rying serial port COM3			^	Set sign	nal pc	DateTime	Monitor	r Fast

SUB	JECT:						
CONTROLLER OPERATION							
ASSEMBLY NO:	APPLICABILITY:						
A0110 <i>x</i> A0170 <i>x</i>	AC200 controller hardware versions 4 and up. All AC300 controller versions						

1. TOPIC

1.1 Introduction

This instruction covers the Airmaster User Program and describes how the operator can use this program to check the flight parameters programmed into the propeller's controller, and how these can be modified.

The flight variables i.e. the propeller's pre-set automatic speed settings (parameters 110 to 121) can be adjusted to the operator's preference. The other setting and control parameters are password protected. Please contact Airmaster for authorisation and instruction to modify these parameters.

Any parameter changes must be recorded in the leading particulars section of the propeller logbook and updated within the AC200 Firmware & Parameters Sheet found in the propeller's assembly drawings booklet.

1.2 Prerequisites

Complete the following tasks before proceeding:

- Ensure that PC is updated to include .NET Framework 3.5 <u>https://www.microsoft.com/en-us/download/details.aspx?id=21</u>
- If applicable, ensure that AC200 controller hardware is version 4 or higher.

i Note

The controller hardware version is recorded in the AC200/AC300 Firmware & Parameters sheet (found in the propeller assembly drawings booklet). It is the first number shown under "Hardware Build State".

2. MATERIAL REQUIREMENTS

2.1 Parts

ITEM	QTY	PART NO.	DESCRIPTION	IMAGE
1.	1	A0117	USB-Serial Cable	90
2.	1	A0110 <i>x</i> or A0170 <i>x</i>	AC200/AC300 'Smart Pitch' Controller	

2.2 Tooling

ITEM	QTY	DESCRIPTION	IMAGE
1.	1	MS Windows Laptop	
2.	-	User Program (. <i>exe</i>)	

2.3 Paperwork

ITEM	QTY	CODE	DESCRIPTION
1.	1	AD-UNIVERSAL	AC200 Firmware & Parameters Sheet
2.	1	AD-UNIVERSAL	Airmaster Propeller Logbook

3. PROCEDURE

3.1 Download User Program

Procedure: Downloading User Program

Step 1 Download User Program

 Download the AC200 User Program from the Airmaster website: https://propellor.com/ac200-user-software-tool

Note

This program is only compatible with Microsoft Windows operating systems.

Step 2 Install USB Driver (As Required)

 When the USB-serial cable is connected to a PC for the first time, the required USB driver must be downloaded:

Note

Generally, this task is completed automatically on Windows 10 operating systems.

- Visit link below and download the "Setup Executable" for your operating system: <u>https://www.ftdichip.com/Drivers/VCP.htm</u>
- Open the setup .zip file and choose a convenient folder to unzip the executable.
- \circ $\;$ Confirm, accept, and finish the extraction.
- Check the COM port assigned to the USBserial cable: Control Panel > Device Manager > USB Serial Port > Driver.



User Software Tool

AC200 User Software Tool (Win

3.2 View Controller Parameters

Procedure: Viewing Controller Parameters

Step 1 Connect Controller to PC

- Plug USB-serial cable into USB port on PC.
- Plug USB-serial cable (4-way connector) into rear of controller [CN4].
- Apply power to the controller by turning on the aircraft power supply.

Step 2 Run Application

• Run the User Program.

Note

A warning window may appear before opening the program. This is normal, select More Info > Run Anyway.

Note

This program can't be run if another Airmaster application is open that is accessing the same COM port assigned to the USB-serial cable.

Step 3 Connect to Controller

Press 'Connect'.

Note

After a few seconds. the program will show that it is connected to the controller and the right-hand panel will display the current state of the controller.

Note

Controller firmware version is shown in the top right corner.

Step 4 View Parameters

• Press 'Load Current Settings from AC200'.

Note

Many parameters are listed under the tabbed windows, use the toggle arrows to navigate. These parameters require a password for modification whereas the flight variables shown in the left window do not.



RC200 User Program V4.2.11 Released 15 Mar 202	1		-	
Connect Load Par File Save Par File	Password	Version Unk	nown	
BigH Valuation Setting Page RPM Table Off RPM (110)	Control Settings Beta Control Type Control Value (200) Dead Band (201) Slave Dead Band (202) Master 1-Slave 2 (203) Aux Pot (0:1.2) (204)	Renote Control M 1	Status Mode Set Speed Actual Speed Error Control State Control Output Drive State Motor Current R Drive	
Lipide AC200 with New Settings		RPM Test RealTi Sgnal	Stop L Blade angle De-icer Current meClock	Stat Logging
		Set signal PC	Date little	Monitor Fast Set RTC

Connected	Load Par File	Save Par File	Pass	word			AC200 V5F	4.70		
Camedia Take Off RPM (110) Climb RPM (111) Cruise RPM (112) Hold RPM (113)	Setting	Prop RPM	Control Slav Maet	Settings B Control Control Value Dead Band e Dead Band er=1-Slave=2	Beta ol Type e (200) d (201) d (202) 2 (203)	Remote Contr Feather Star	ndard	Status Mode Set Speed Actual Speed Error Control State Control Output	TAKE C 0 0 1 1 DLE 0	HFF
Hold RPM Max (120) Hold RPM Min (121) Load Current 1 Update AC20	iettings from AC20		A	их Port (0:1.2	2) (204)			Drive State Motor Current Drive Stop Biade angle De-icer Current	IDLE 39 0	Fe
Diagnostics Trying serial port COM1 Trying serial port COM3 Connected OK					^ 	RPM Test Signal Set sign	al AC2	TimeClock DateTime PC	96 M	art Loggin Ionitor Fa

3.3 Modify Controller Parameters

Note

The flight variables i.e. the propeller's pre-set automatic speed settings (parameters 110 to 121) are the only controller parameters that aren't password protected and can be openly modified by the operator. These parameters are shown in the left window of the User program. They are also recorded in the leading particulars section of the propeller logbook, and in the 'Controller Firmware & Parameters Sheet' located in the propeller's assembly drawings booklet.

Procedure: Modifying Controller Parameters

Step 1 Adjust Flight Variables (As required)

- Enter new values in the setting window beside each parameter, ensuring that:
 - 'Take-Off RPM' and 'Hold RPM Max' should be at least 100rpm less than the maximum speed for the engine (i.e. 5700rpm or less for Rotax engines).
 - The calculated propeller speed ('*Prop RPM'*) for '*Take-Off RPM*' and '*Hold RPM Max*' should be within allowable ratings for the Airmaster hub being used.

💀 AC200 User Program	n V4.2.11 Rele	ased 15 Mar 202	1					-	- 0) X
Connected	Load Par File	Save Par File	Pass	word	_	A	AC200 V5F.4	.70		۲
Right Variables			Control	Settings 8	Beta	Remote Control	Nex	Status		
	Setting	Prop RPM						Mode	TAKE ()FF
Take Off RPM (110)	5700	2345		Contr	ol Type	Feather		Set Speed	5700	
Climb BPM (111)	5400	2222		Control Valu	e (200)	75 (rpm/ti	ck]	Actual Speed	0	
Caire RPM (112)	5000	2057		Dead Ban	d (201)	60		Error	-5700	
Clube IV M (112)	3000	107	Slav	e Dead Ban	1 (202)	50		Control State	IDLE	
Hold REM (113)	4800	1979	Mast	er=1:Slave=i	2 (203)	0		Control Output	0	
Hold RPM Max (120)	5700	2345	A	ux Port (0:1:	2) (204)	0		Drive State	IDLE	
Hold RPM Min (121)	4000	1646						Motor Current	0	
Load Ournet S	attings from M	200						R	Co	Fe
Load Current S	eurige from ALA	00						Stop		
Update AC200	with New Settin	igs							_	_
	_							Blade angle		
Airmas	ster							De-icer Current		
Diagnostics						RPM Test	RealT	meClock	0	at Longing
Trying serial port COM1 Trying serial port COM3					^	Set signal	1	DateTime		an cogging
Connected OK							PC			torntor Past
					\vee		AC200			Set RTC

Note

Current versions of the controller firmware check the controller parameters and ensure their settings are sensible and meet certain criteria.

Step 2 Adjust Control Parameters (As Required)

 Enter password in the top window (not required for flight variable parameters).

i) Note

Request password from Airmaster.

• Adjust the control parameter values as instructed to by Airmaster.

AC200 User Program V4.2.11 Released 15 Mar 202

Connected Load Par File Save Par File Pa nd _ AC200 V5F.4.70 ngs Beta Remote Com Control See **Step 3** Update Parameters Control Type Feather 2345 Off RPM (110) 5700 trol Value (200) 75 Press 'Update AC200 with New Settings'. Climb RPM (111) 55b0 2263 Dead Band (201) 60 5000 2057 Cruise RPM (112) Slave Dead Band (202) 50 4800 1975 id RPM (113) e=2 (203) 5700 2345 Aux Port (0:1:2) (204) 0 (i) Note 4000 1646 Press this button twice as parameters may fail to 'stick' after only one flash update cycle. Airmaster ort COM1 ort COM3 Set sign BATE . Airmaster AC200 FIRMWARE & PARAMETERS SHEET **Step 4** Record Parameter Update Record the updated parameter values under a • new column in the following locations:

- Controller Firmware & Parameters Sheet.
- Leading particulars section of the propeller logbook.
- Create an entry in the propeller logbook to record the action carried out.

3.4 Load New Parameter File

Note

Perform this task to load a new parameter file to the controller, rather than adjusting individual parameters.

Procedure: Loadin	g Parameter File		
 Step 1 Load Parameters Press 'Load Par File'. 	AC200 User Program V4.2.11 Released 15 Mar 202 Connected Load Par File Save Par File Fight Valide Setting Prop RPM Tale Off RPM (110) 5700 2245 One RPM (111) 5400 2222 Oulee RPM (112) 5900 2057 Hold RPM (113) 4800 11375	Passend AC200 VSEA20 Cortrol Settings Beta Remote Cortrol M = 9 Cortrol Type Feather Sale Cortrol Type Feather Sale Cortrol Value (200) 75 [pm/thd] Deed Band (201) 60 Sale Sale Steve Deed Band (202) 00 Meder=15exe2 200 0	Actual Speed 0 Enror 3700 Control State DILE Control Otate 0
• Select the desired parameter file.	Hold RPM Max (120) 5700 2345 Hold RPM Mn (121) 4000 1646	Aux Pot (0;1.2) (204) 0	Drive State IDLE Motor Current Fi Co Fe Datase Difference Differen
• Press 'Open'.	Lipdate AC200 with New Settings		Blade angle
	Dagnostics Tryreg senal post COM1 Tryreg units post COM3 Connected OK	RPM Text Sorbal Set signal Ac200	lock Start Logging Monitor Fast Set RTC

6

irmaster

Step 2 Update Parameters

Press 'Update AC200 with New Settings'

i Note

Press this button two times as parameters may fail to 'stick' after only one flash update cycle.

Connected	Load Par File	Save Par Rie	Password		AC20		70	
the Variables	200010110	outerante	Control in the second		nere		Datus	
	Settion	Press DPM	Control Settings Beta	Hemote (Control N.		Mode	TAKE OFF
	Jeung		Control Type	Feathe	17		Set Speed	5700
Take Ott HPM (110)	5700	2340	Control Value (200)	75	[mm/tick]		Actual Speed	0
Climb RPM (111)	5400	2222	Control Value (200)				Error	-5700
Cruise RPM (112)	5000	2057	Dead Band (201)	60			Control State	IDLE
Hold RPM (113)	4800	1975	Slave Dead Band (202)	50			Control Output	0
Hold RPM Max (120)	5700	2345	Master=1;5lave=2 (203)	0			Drive State	IDLE
Hold RPM Min (121)	4000	1646	Aux Pott (0;1;2) (204)	0			Motor Current	39
Load Current S Update AC200	Settings from AC) with New Setti	200					Fi Drive D Stop D	Co Fe
							Blade angle	
lirmas	ster						De-icer Current	
anostics				RPM	Test	RealTim	eClock	
				C				Start Loop
ing serial port COM1			^	signa			DateTime	0.01 0.93
ying serial port COM1 ying serial port COM3 innected OK			^	Set	signal	PC	DateTime	Monitor F
ying serial port COM1 ying serial port COM3 nnected OK		15 b.f 202	· ·	Set	signal	PC AC200	DateTime	Monitor F
ing serial pot COM1 ing serial pot COM3 mected OK AC200 User Progra Connected	rm V4.2.11 Rel	leased 15 Mar 202 Save Par File	1 Password	Set	signal	PC AC200	DateTime	Monitor F
ing perial port COM1 ing perial port COM3 nnected OK AC200 User Progra Connected th Variables	m V4.2.11 Re Load Par Fil	eased 15 Mar 202 Save Par File	1 Password Control Settings Beta	Set	signal AC20 Control N	PC AC200 0 V5F.4.	DateTime	Monitor F
ing perial port COM1 ing perial port COM3 meeted OK AC200 User Progra Connected ht Variables	m V4.2.11 Rel Load Par File Setting	leased 15 Mar 202 Save Par File Prop RPM	1 Password Control Settings Beta Control Type	Remote	signal AC20 Control M	PC AC200	DateTime 70 Status Mode	Montor F
ing setial port COM1 ing setial port COM3 innected OK AC200 User Progra Connected Int Variables Take Off RPM (110)	m V4.2.11 Re Load Par File Setting 5700	eased 15 Mar 202 B Save Par File Prop RPM 2345	1 Password Control Settings Beta Control Type	Remote	AC20 Control M	PC AC200	Tote Time	TAKE OFF 5700
ing setial port COM1 ing setial port COM3 innected OK AC200 User Progra Connected pt Vatables Take Off RPM (110) Climb RPM (111)	m V4.2.11 Rel Load Par File Setting 5700 5400	eased 15 Mar 202 B Save Par File Prop RPM 2345 2222	1 Password Control Settings Beta Control Type Control Value (200)	Remote Feather	AC20 Control M [pm/tick]	PC AC200	70 Status Mode Set Speed Actual Speed Fror	Monitor F Set RT O
ing setial port COM1 ing setial port COM3 ing setial port COM3 ing setial port COM3 ing setial port COM3 Connected OK Connected pt Variables Take Off RPM (110) Climb RPM (111) Cruise RPM (112)	m V4.2.11 Rel Load Par FM Setting 5700 5400 5000	eased 15 Mar 202 Save Par File Prop RPM 2345 2222 2057	1 Password Control Settings Beta Control Value (200) Dead Band (201)	Remote Feather	signal AC20 Control M er [pm/tick]	PC AC200	Tote Time To Status Mode Set Speed Actual Speed Error Control State Set Speed	Monitor F Set RT TAKE OFF 5700 0 -5700 Imple
ing senil pot COM1 ing senil pot COM1 ing senil pot COM3 inected OK AC200 User Progra Connected pt Variables Take Off RPM (110) Climb RPM (111) Culse RPM (112) Hold RPM (113)	m V4.2.11 Rel Load Par Fil Setting 5700 5400 5000 4800	eased 15 Mar 202 Save Par File Prop RPM 2345 2222 2057 1975	1 Pasevort Control Value (200) Dead Band (201) Sieve Dead Band (202)	Remote 1 Feather 75 60 50	signal AC20 Control N [pm/tick]	PC AC200	Date Time To To Status Mode Set Speed Actual Speed Error Control State Control Date	Monitor F Sec R11 0 TAKE OFF 5700 0 -5700 10LE
ing setal pot COM1 ing setal pot COM3 mected OK AC200 User Progra Connected OK It Vanables Take Off RPM (110) Climb RPM (111) Hold RPM Max (120)	m V4.2.11 Rel Load Par Fil Setting 5700 5400 4800 5700	eased 15 Mar 202 Save Par File Prop RPM 2345 2222 2057 1975 2345	1 Control Settingia Beta Control Value (200) Devel Servel (200) Devel Servel (200) Siterre Devel Servel (200) Matters 1: Serve - 2 (200)	Remote Feather	aignal AC20 Control N [pm/tick]	PC AC200	Date Time To Status Mode Set Speed Actual Speed Error Control Statu Drive State Drive State	Monitor F Monitor F Sec R110 TAKE OFF 5700 0 5700 IDLE 0
A C200 User Progra Connected OK Connected OK Take Off RPM (110) Climb RPM (111) Clube RPM (111) Hold RPM (113) Hold RPM (112) Hold RPM (112)	m V4.2.11 Re Load Par FM 5700 5400 5000 4800 5700	eased 15 Mar 202 Save Par Fle Prop RPM 2345 2222 2057 1975 2345 1646	1 Perenot Control Settings Beta Control Value (200) Dead Bard (201) Steve Dead Bard (202) Steve Dead Bard (202) Steve Dead Bard (202) Aus Port (3) 129 (204)	Remote Feather	signal AC20 Control M [pm/tick]	PC AC200	Date Time To To Status Mode Set Speed Actual Speed Error Control Output Drive State Mode Control Output Drive State Define Control Comput	Monitor F Monitor F Sec R11 TAKE OFF 5700 0 5700 0 5700 0 5700 0 5700 0 5700 0 5700 0 50 0 10LE 10a
a setal por COM1 magentia por COM3 mmeched OK AC200 User Progra Connected Mt Variables Take Off RPM (110) Climb RPM (111) Cuse RPM (112) Hold RPM Max (120) Hold RPM Min (121)	m V4.2.11 Re Load Par Flu Setting 5700 5400 5000 4800 5700 4000	eexeed 15 Mar 202 Save Par File Phop RPM 2345 2222 2057 1975 2345 1646	1 Control Settings Beta Control Type Control Value (200) Dead Band (201) Stere Dead Band (202) Matter=1.Save-2 (202) Aux Pot (5.1.2) (204)	Set 5	AC20 Control M [pm/tick]	PC AC200	Date Time 70 884us Mode Set Speed Actual Speed Error Control State Drive State Modor Current Modor Current	Montor F Montor F Ser MI Ser MI S700 0 - 5700 0 - 5700 10LE 0 10LE 19
Ac200 User Progra Market CONS Ac200 User Progra Connected Pt Vanables Take OF RPM (110) Clinib RPM (112) Hold RPM Ms (120) Load Current I	m V4.2.11 Rel Load Par FM Setting 5700 5400 5000 4800 4800 4800 5700 4000 5700	eesed 15 Mar 202 Save Par File Pop RPM 2345 2222 2057 1975 2345 1646 2200	1 Control Settings Beta Control Value (200) Dead Band (201) Dead Band (201) Steve Dead Band (202) Matters 1. Steve 2, (203) Aut Pot (0, 1.2, (204)	Set 5	AC20 Control M [pm/tick]	PC AC200	Date Time Time Date Time D	Monitor F Monitor F Ser R11 Ser R11 O TAKE OFF S700 0 -S700 IDLE 0 IDLE 39 Co
Take OF RPM (11) Currented OK AC200 User Program Connected OK AC200 User Program Connected OK AC200 User Program Connected OK AC200 User Program Connected OK AC200 User Program Take OF RPM (11) Cure PRPM (11) Cure RPM (12) Load Current Update AC200	m V4.2.11 Rel Load Par FM Setting 5700 5400 5700 4800 5700 4000 Sottings from <i>KC</i> O with New Setti	essed 15 Mar 202 Save Par File Prop RPM 2345 2222 2057 1975 2345 1646 2200 Prop	1 Patenot Control Setings Bea Control Value (200) Deed Band (201) Diver Deed Band (201) Matters 1.Save-2 (203) Aux Pot (0.1.2) (204)	Remote 1 Featht Featht For the second	Control M [jpm/tick]	PC AC200	Date Time	Montor F See MI © TAKE OFF 5700 0 5700 5700 5700 5700 5700
Accold Loss Control Co	m V4.2.11 Rel Load Par File Setting 5700 5400 5400 5400 4800 5700 4000 Settings from <i>K</i> 0 with New Set	eased 15 Mar 202 Save Par File Prop RPM 2245 2222 2057 1975 2245 1646 200 1998	Tennerative Setting Beta Control Setting Beta Control Value (200) Dead Band (201) Serve Dead Band (202) Matters 1. Sares 2 (202) Aux Port (5.1.2) (204)	Remote I	Control M [jpm/tick]	PC 4C200	Date Time	Montor F Ser MI © TAKE OFF 5700 0 5700 0 5700 0 5700 0 5700 0 5700 0 5700 0 5700 0 5700 0 5700 0 5700 0 5700 0 5700 0 5700 0 5700 0 5700 0 5700 5700 5700 5700 5700 5700 5700 5700 5700 5700 5700 5700 5700 5700 5700
magening out COMI metered OK AC200 User Progra- Connected Pt Variables Take OF RPM (110) Oute RPM (112) Heid RPM (113) Load Cameri L Updar AC20 Nirriman	m V4.2.11 Rel Load Par Fil Setting 5700 5400 5400 4800 5700 4000 Settings from AC 0 with New Setti	leased 15 Mar 202 Swe Par File Prop RPM 2345 2222 2057 1975 2345 1646 2200 rgs	Terrend Setting Beta Cortical Setting Beta Cortical Value (200) Dead Band (201) Serve Dead Band (202) Matters 1. Sares 2 (202) Aux Port (5.1.2) (204)	Sentaria Set	AC22C Control M	PC 4C200	Date Time To Status Mode Set Speed Actual Speed Error Control State Control State Drive State Broo Broo Broo Broo Broo Broo Broo Bro	Montor F Montor F Set NT O TAKE OFF S700 0 5700 DLE 0 IDLE 0 S700 IDLE 0 IDLE IDLE
I AC20 User Program mented OK AC20 User Program Connected If Vanishies Take OF RPM (110) Cub RPM (113) Cub RPM (113) Hold RPM (121) Lod Carnet Update AC20 Virtuals agrostics	m V4.2.11 Rei Load Par Flu Setting 5700 5400 5700 4800 5700 4000 Settings from AC 0 with New Setti Ster F	eased 15 Mar 202 Swe Par File Prop RPM 2345 2007 1975 2345 1646 200 Prop	Terrend Setting Beta Control Setting Beta Control Value (20) Dead Band (20) Save Dead Band (20) Save Dead Band (20) Adatter 1, Save-2 (20) Aax Pot (5) 12) (20)	Remote 1	signal	PC 44200	Date Time	Montor F S700 0 5700 0 5700 0 5700 0LE 0 Co Fe 0

Step 3 Check Parameters

• Verify that all parameters shown in the User program match those listed in the AC200 Firmware & Parameters sheet.

Note

Use toggle arrows to view all parameters

3.5 Save Parameter File

i) Note

Perform this task to save a copy of the parameters programmed into the controller. The resultant .par file can be shared to Airmaster via e-mail for review.

Procedure: Saving Parameter Files

Step 1 Save Parameter File

• Select 'Save Par File' and save to a convenient file location.

Note

The resultant file is a text based .par file which can be viewed using a text editor e.g. Notepad.

Connected	Load Par File	Save Par File	Password	AC200 V	5F.4.70	۲
ight Variables		_	Control Settings Beta	Remote Control N · ·	Status	
	Setting	Prop RPM			Mode	TAKE OFF
Take Off RPM (110)	5700	2345	Control Type	Feather	Set Speed	5700
Climb BPM (111)	5400	2222	Control Value (200)	75 [rpm/tick]	Actual Speed	0
Course DDM (112)	5000	2057	Dead Band (201)	60	Error	-5700
Crube RPM (112)	5000	2007	Slave Dead Band (202)	50	Control State	IDLE
Hold RPM (113)	4800	1975	Master=1:Slave=2 (203)	0	Control Output	0
Hold RPM Max (120)	5700	2345	Aux Port (0:1:2) (204)	0	Drive State	IDLE
Hold RPM Min (121)	4000	1646			Motor Current	39
Load Current S Update AC200	ettings from AC2 with New Settin	00 28			Fi Drive Stop	Co Fe
					Blade angle	
Airmas	ster				De+cer Current	
kagnostics				RPM Test Re	alTimeClock	0.11
ning serial port COM1			A	Signal	DateTime	Start Log