

REVISION	CHANGE	APPROVED	DATE
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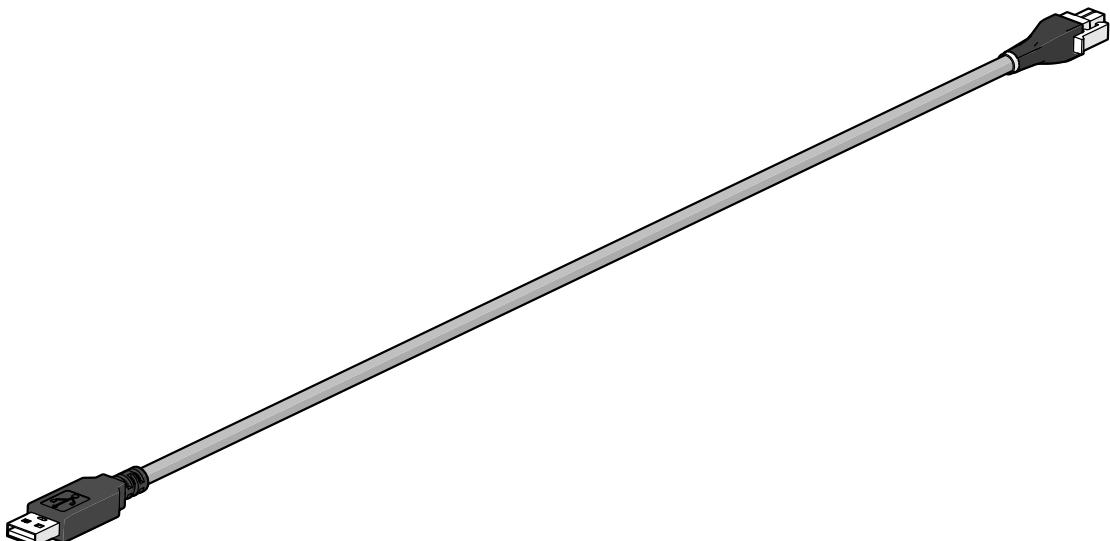
Airmaster Propellers Ltd
20 Haszard Rd, Massey,
Auckland 0614, NZ

Phone: (+64) 9 833 1794
E-mail: support@propeller.com
Web: www.propeller.com

ASI-4-9-2

DESCRIPTION OF USB-SERIAL CABLE

GUIDE



SUBJECT:

Control System Installation

ASSEMBLY NO:

A0117

APPLICABILITY:

All propeller models

1. TOPIC

1.1 Introduction

The USB-serial cable (A0117) is supplied with the propeller's control system assembly (AC-xxx).

This cable is **not** required for normal installation or operation of the propeller. Store this cable with other tools or spare parts belonging to the propeller. It is recommended that this cable is left plugged into the rear of the controller [CN4], with the USB-end routed in such a way that it can be conveniently connected to a PC from inside the cockpit when required.

1.2 Function

The USB-serial cable is used to connect the propeller controller to a Windows PC (Windows 10 or 11). This is required for utilising any of the proprietary Airmaster applications which include:

- **Airmaster User Program.**
Used for adjusting controller parameters (e.g. preset target speeds) and other settings programmed into the controller.
- **Airmaster Controller Firmware Programmer.**
Used to update controller firmware version.
- **Airmaster Diagnostics Program.**
Used to download and view diagnostic data from the controller (when supported).
- **Airmaster Hub Firmware Programmer.**
Used to update hub firmware version (applicable for DSD hub models only).
- **Airmaster Hub Calibrator Program.**
Used to calibrate the DSD hub; and for adjusting hub parameters such as the virtual stop values or other settings programmed into the hub (applicable for DSD propeller models only).

 **Note**

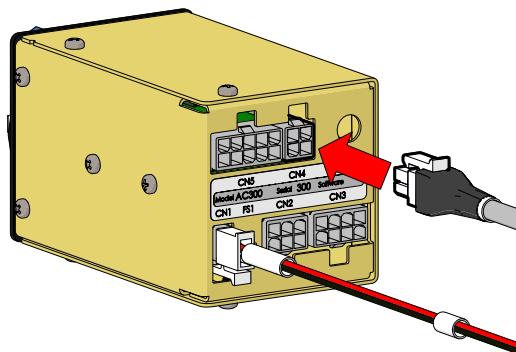
The latest versions of these applications can be downloaded from the Airmaster website.

1.3 Installation

PROCEDURE

Step 1 Connect Controller to PC

- Plug USB-serial cable (A0117) into USB port on windows PC.
- Plug USB-serial cable (4-way connector) into rear of controller [CN4].
- Apply power to controller by turning on aircraft power supply.



Step 2 Install USB Driver (As Required)

- When the USB-serial cable (A0117) is connected to a PC for the first time, the required USB driver must be downloaded:

(i) Note

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

- Visit the link below and download the “Setup Executable” for your OS:
<https://www.ftdichip.com/Drivers/VCP.htm>
- Open the setup .zip file and choose a convenient folder to unzip the executable.
- Confirm, accept, and finish the extraction.
- Check the COM port assigned to the USB-serial cable on the PC:

Control Panel > Device Manager > USB Serial Port > Driver.

