

9480 Carroll Park Dr., San Diego, CA 92121-5201
Phone (858) 657-9800 Fax: (858) 657-9818 Toll Free 1800 324-5190
E-mail: api-customerservice@teledyne.com <http://www.teledyne-api.com>

14-010 A
Oct 28, 2014

AE33 – SOFTWARE UPDATE

I. PURPOSE:

To inform our customers obtaining the latest software version's AE33.

II. TOOLS:

None

III. PARTS:

None

This service note is regarding to update the latest software version's AE33. We recommend that all customers using Aethalometer Model AE33 use the latest software version to make it reliable on the performance and avoid minor errors.

To update software on Aethalometer Model AE33, there are two methods.

- Methods 1 of 2: Updating From Flash Drive (USB).
 - The latest software version of AE33 on the Flash Drive.
 - On the OPERATION mode → GENERAL → STOP (Figure 1-1).

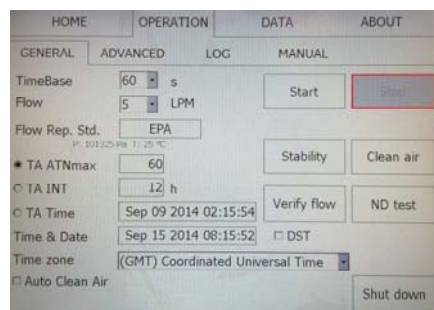


Figure 1-1

AE33 – Software Update
14-010 Rev A (DCN7008) 10/28/14
Page 1 of 1

PRINTED DOCUMENTS ARE UNCONTROLLED

CSF0001J (DCN6504)

- Insert the Flash Drive into USB slot from front panel (figure 1-2).



Figure 1-2

- Then, go to Operation→Advanced→Update (Figure 1-3).

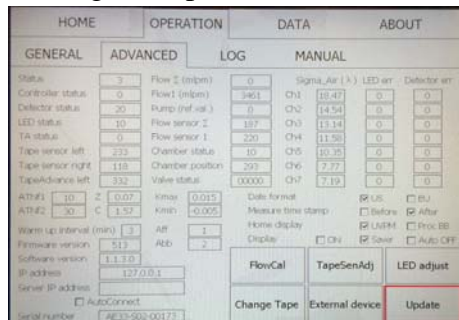


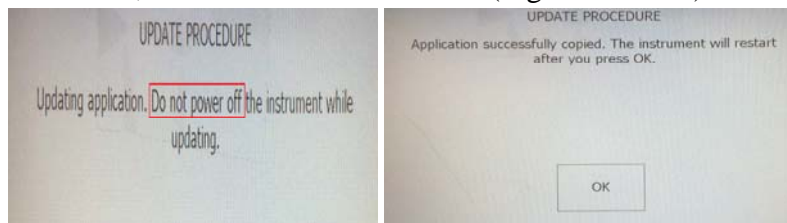
Figure 1-3

- Update Procedure window will be appearing (Figure 1-4).



Figure 1-4

- Select Software and wait until it is completed (~45 seconds) then select OK, the instrument will restart (Figure 1-5/ 1-6).



AE33 – Software Update
 14-010 Rev A (DCN7008) 10/28/2014
 PRINTED DOCUMENTS ARE UNCONTROLLED

Figure 1-5

Figure 1-6

- Remove Flash Drive from AE33's front panel
- To verify the software has been updated, on the OPERATION mode → ADVANCED → Software version x.x.x.x (figure 1-7).

HOME		OPERATION		DATA		ABOUT	
GENERAL		ADVANCED		LOG		MANUAL	
Status	1	Flow 1 (ml/min)	5259	Sigma 16 (1.1)	LED ver	Detector ver	
Controller status	0	Flow 1 (ml/min)	4107	Ch1	18.47	0	0
Selector status	10	Pump (ml/min)	582	Ch2	14.54	0	0
LED status	10	Flow sensor 1	579	Ch3	13.14	0	0
TA status	0	Flow sensor 1	489	Ch4	11.58	0	0
Tape sensor left	224	Chamber status	10	Ch5	10.35	0	0
Tape sensor right	120	Chamber position	294	Ch6	7.77	0	0
Tape Advance left	275	Valve status	01100	Ch7	7.19	0	0
RTM1	10	Z	0.07	mmHg	0.035		
ATH2	30	C	1.57	Kmin	-0.005		
Warm up interval (min)	3	Alt	1	Date format		<input type="checkbox"/> US	<input checked="" type="checkbox"/> IS
Firmware version	513	Abb	2	Measure time stamp		<input type="checkbox"/> Before	<input checked="" type="checkbox"/> After
Software version	1.1.1.0			Home display		<input checked="" type="checkbox"/> USPM	<input type="checkbox"/> Proc GB
IP address	127.0.0.1			Display		<input type="checkbox"/> On	<input type="checkbox"/> Save
Server IP address						<input type="checkbox"/> Auto OFF	
<input type="checkbox"/> AutoConnect							
Serial number	AE33-502-00173						

Figure 1-7

- Methods 2 of 2: Updating From a CompactFlash (CF) card.
 - Get a CF card (Figure 2-1) with the latest software version provided by Teledyne API.



Figure 2-1

- Shutdown the AE33 instrument on the front screen and turn switches power OFF of both Front and Back (Figure 2-2), and then remove a CF card from the back panel (Figure 2-3).

AE33 – Software Update
14-010 Rev A (DCN7008) 10/28/2014
PRINTED DOCUMENTS ARE UNCONTROLLED



Figure 2-2



Figure 2-3

- Insert a new CF card with the latest software on it (Figure 2-4).



Figure 2-4

- Turn the power switches ON, the AE33 will automatically update the software (Figure 2-5).

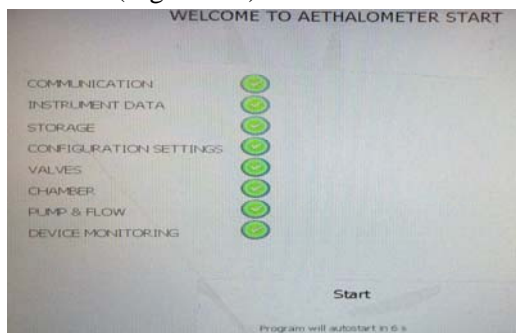


Figure 2-5

- To verify the software has been updated, on the OPERATION mode → ADVANCED → Software version x.x.x.x (Figure 1-7)

Contact the Teledyne API for more information.

AE33 – Software Update
14-010 Rev A (DCN7008) 10/28/2014
PRINTED DOCUMENTS ARE UNCONTROLLED