

# AMP-LINK APPLICATION (AC-62) INSTRUCTION MANUAL

2650-1720-00 Rev. A



Thank you for purchasing the AC-62 Amp-Link Application for your Auto Meter Tester from Auto Meter Test Equipment. The AC-62 Amp-Link Application enables data transfer from your Auto Meter tester to your PC for storage, record keeping, and analysis. These instructions will help guide you through the AC-62 software installation and operation process.

## Auto Meter Products Inc.

413 West Elm Street Sycamore, IL 60178 Service (815) 899-0801 Toll Free (866) 883-TEST (8378) test.autometer.com



The Amp-Link software is compatible with the following models:

RC-300	v4.00 and above
SB-300	v3.00 and above
BVA-300	v3.00 and above
BVA-350	v3.00 and above
BVA-230	v1.00and above
BVA-260	v1.40 and above
BVA-200s	v8.31 and above

Testers with a stereo jack require part# AC-12 serial cable adapter. Use the AC-32 serial port to USB adapter if your computer does not have a serial port. Testers with a USB port, use the USB cable that was included with your tester



Copyright (C) 2013 Auto Meter Products, Inc

Model Number	Shave Name	Collect Data	
Hoder Namber		Save Data	Connect
l Serial Number	Address	Save Store Info	
Firmware Version	CityState	Zip	

#### **Amp-Link Application (AC-62) Instructions**

This software will allow data to be downloaded from the Auto Meter Testers and saved to a PC. Test results can then be displayed on the PC, and can be printed on the PC's printer, and saved to an excel file.

INSTALLATION:

1. Make sure the computer is on and booted up. Save any data and close any open applications. Load the included CD into the computer. If auto run is enabled on the computer, the installation program will start automatically. If auto run is not enabled, go to the CD drive then run AmpLink\_setup.exe. The following screen will appear on the computer. Click on the <u>I Agree</u> button to continue with the installation.

AmpLink Setup	
License Agreement	NUNIX
Please review the license terms before installing AmpLink.	J
Press Page Down to see the rest of the agreement.	
AUTO METER PRODUCTS, INC.	-
Please return any accompanying registration form to receive registration benefits.	_
NOTICE TO USER: PLEASE READ THIS CONTRACT CAREFULLY. BY USING ALL OR AN	Y
PORTION OF THE SOFTWARE YOU ACCEPT ALL THE TERMS AND CONDITIONS OF THE	S
SECTION 2; TRANSFERABILITY IN SECTION 4; WARRANTY IN SECTION 6 AND 7; AND	
LIABILITY IN SECTION 8, YOU AGREE THAT THIS AGREEMENT IS ENFORCEABLE LIKE	~
NOT USE THIS SOFTWARE. IF YOU ACQUIRED THE SOFTWARE ON TANGIBLE MEDIA	0
(e.g. CD) WITHOUT AN OPPORTUNITY TO REVIEW THIS LICENSE AND YOU DO NOT	-
If you accept the terms of the agreement, click I Agree to continue. You must accept th	ne
agreement to install AmpLink.	
Julisoft Install System v2,46	
I Agree Ca	ancel

2. The following screen will appear on the computer, click <u>Next</u> to continue.



3. The following screen will appear and allow you to choose the components to install. It is advised that you choose the defaults. Click Next to continue.

🗑 AmpLink Setup		_ 🗆 🗙
Choose Components Choose which features of Amp	Link you want to install.	
Check the components you wa install. Click Next to continue.	nt to install and uncheck the con	nponents you don't want to
Select components to install:	AmpLink (required)	Description Position your mouse over a component to see its description.
Space required: 1.1MB		
Nullsoft Install System v2.46		
	< <u>B</u> ack	Next > Cancel

4. The next screen will ask where to install the Amp-Link Application software. Accept the default location by clicking on the <u>Install</u> button or change it by browsing for a new location.

Channel Landell Landbian			
Choose Install Location	ık.		C
Setup will install AmpLink in the following fo and select another folder. Click Install to st	lder. To install ir art the installati	a different f on.	folder, click Browse
Destination Folder			î
Destination Folder		]	Browse
Destination Folder			Browse
Destination Folder Ct\Program Files\AutoMeter\AmpLink Space required: 1.1MB Space available: 86.5GB			Browse
Destination Folder C:\Program Files\AutoMeter\AmpLink Space required: 1.1MB Space available: 86.5GB			Browse

5. If you chose to change the directory then enter the new directory where the program will be installed, and then click on <u>Install</u> button to install the Amp-Link Application software.

AmpLink Setup			
Choose Install Location			(vinits
Choose the folder in which to insta	II AmpLink.		U
Setup will install AmpLink in the follo and select another folder. Click Ins	owing folder. To install in stall to start the installatio	a different   n.	folder, click Browse
Destination Folder			
Destination Folder	mpLink		Browse
Destination Folder	mpLink		Browse
Destination Folder C:\Program Files\AutoMeter\A Space required: 1.1MB Space available: 86.5GB	mpLink		Browse
Destination Folder C:\Program Files\AutoMeter\A Space required: 1.1MB Space available: 86.5GB Jisoft Install System v2.46	mpLink		Browse

6. The Amp-Link Application software will finish installing. Click on <u>Close</u> to return to the desktop.

tallation Complete stup was completed successfully. pmpleted Show details	
ompleted Show <u>d</u> etails	
ompleted Show <u>d</u> etails	
Show <u>d</u> etails	
oft Install System v2.46	
< Back (Close)	Cancel

The Amp-Link Application requires Java v1.6 or above to be present on your PC. If when trying to start the Amp-Link Application the following message appears:



You will need to install Java on your PC. By pressing OK, providing the PC has an internet connection, you will be taken to the Java install page. (providing the PC has an internet connection)



Follow the instructions on this page to install Java on your PC.

### **STARTING THE PROGRAM:**

- 1. To run the Amp-Link Application software, click on START, PROGRAMS, Amp-Link Application.
- 2. The Amp-Link Application will start and the following screen will appear.



#### **USING THE PROGRAM:**

1. From this screen the features of the program can be accessed.

🕌 Amp Link			<u>-0×</u>
File			
Collect Data Flash Devi	ce ]		L Find Daviso
Model Number	Store Name	Collect Data	
Serial Number	Address	Save Data Save Store Info	
Firmware Version	City State Zip		
•			

The AC-62 Amp-Link software will allow the user to download test data from Auto Meter test devices and chargers. It can also be used to reflash the firmware on the testers and chargers as well as update the print header store address information stored in the testers and chargers.

### To connect to and download data from an Auto Meter device:

- 1. Connect the device to your PC. Depending on the model of the tester the connection is made with either a USB cable or the AC-12 stereo plug serial cable. For those PCs that do not have a DB-9 serial connector the AC-32 can be used to plug into the computer's USB port.
- 2. For all of the models that have the stereo jack serial connector the unit must be ON for it to communicate with the Amp-Link software.
- 3. Once the connection has been made and the device turned ON press the <u>Find Device</u> button on the main screen.
- 4. At this time Amp-Link will check all known serial ports on the PC looking for the device.
- 5. Once the device is found the text fields will be filled in with device data. (example shown below)

ollect Data   Flash Devi	ce					Find Device
4odel Number	Store Name			Collect Data	a	
RC-300	Auto Meter F	Products, Inc.		Save Data		Disconnect
ierial Number	Address			Save Store In	nfo	-
00000	413 West Elr	m St.				
irmware Version	City	State	Zip			
VERSION 4.0X	Sycamore	IL	60178			

6. To collect the data from the connected device press the <u>Collect Data</u> button. Collected files will display in the open window. (example shown below)

Model Number RC-300 Serial Number 00000 Firmware Version	Strice	ore Name luto Meter Prod ldress 13 West Elm St :y	ucts, Inc. State		5 5 21p	ollect Data Jave Data e Store Info	,	Find Devi Disconne	ce ect
VERSION 4.0X	ļs	ycamore II		60178		4			
est 🛆 🛛 Rollover	Voltage	Test Type	Beginning	Loaded V	Battery R	Measured	Temperat	Battery T	Result
1 0	12V	Battery Test	12.68	11.09	12.00 Ah	12.00 Ah	70 C	SLI STD	Good
20	12V	Battery Test	12.00	11.09	12.00 Ah	12.00 Ah	70 C	SLI STD	Good Nee.
30	12V	Battery Test	12.48	11.09	12.00 Ah	9.50 Ah	70 C	SLI STD	Near End .
4 0	12V	Battery Test	12.38	9.09	12.00 Ah	7.75 Ah	70 C	SLI STD	Bad
50	12V	Battery Test	12.08	0.00	12.00 Ah	0.00 Ah	70 C	SLI STD	Charge &
60	12V	Battery Test	10.68	10.08	12.00 Ah	12.00 Ah	70 C	SLI STD	Bad Cell
70	12V	Battery Test	12.68	11.09	12.00 Ah	12.00 Ah	70 C	SLI STD	Good
80	12V	Battery Test	12.00	11.09	12.00 Ah	12.00 Ah	70 C	SLI STD	Good Nee
90	12V	Battery Test	12.48	11.09	12.00 Ah	9.50 Ah	70 C	SLI STD	Near End
70 80 90	12V 12V 12V	Battery Test Battery Test Battery Test	12.68 12.00 12.48	11.09 11.09 11.09	12.00 Ah 12.00 Ah 12.00 Ah	12.00 Ah 12.00 Ah 9.50 Ah	70 C 70 C 70 C	SLI STD SLI STD SLI STD	Good Good Near E

To update the store address information saved in the device use the mouse to choose the text to update and edit the text. Once the text has been changed use the Save Store Info button to save it to the device. These following text fields can be updated:

Store Name Address City State Zip

#### To upgrade the firmware in your Auto Meter tester:

1. Connect the device to the PC (see connect instructions above). Turn the device ON. When upgrading firmware it is good practice to also connect the battery operated model testers to an external battery by connecting the clamps to any 12V lead acid battery. This is to guarantee an uninterrupted power while supply the device is being programmed. Also close all unnecessary programs on your PC.

2. Choose file to use for upgrading by pressing <u>Select Firmware</u>.

🕌 Open			×
Look jn:	Firmware	💌 😰 🖽	•
My Recent Documents	ⓓ RC-300_v4.00.fw		
Desktop			
My Documents			
My Network Places	File name: Files of type: FW & HEX Files	<b>_</b>	<u>O</u> pen Cancel

Files supplied by Auto Meter should be in the Download directory. Open the file for the model of the device that is being upgraded.

3. Upon selection of the file the Firmware Model and Firmware Version will be displayed.

🕌 Amp Link		
File		
Collect Data Flash Device		Eind Davisa
Select Firmware	Firmware File	
Flash Firmware	RC-300_v4.00.fw	Lonnect
	Firmware Model	COM1 💌
	RC-300	
	Firmware Version	
	4.00	
I		

Make sure the model matches the device and the firmware version is appropriate for the intended upgrade.

- 4. To start the firmware upgrade make sure the device is ON and connected to an external battery and press the <u>Flash Firmware Button</u>.
- 5. Upgrades can take from 5 10 minutes. There will be an indicator that tracks the progress of the operation. **Do not interrupt** the process once it starts. Download process interruption may risk leaving the device inoperable.

Mamp Link		<u>-0×</u>	
File Collect Data Flash Device Select Firmware Flash Firmware	Firmware File RC-300_v4.00.fw Firmware Model RC-300 Firmware Version 4.00	Find Device Disconnect COM10	
			Reflash Progress Indicator

6. The Flashing Device progress bar clears and the device beeps and a message appears when the upgrade is finished.

reflash_success	reflash_fail
Reflash Finished	Reflash Finished
Reflashing completed successfully	Reflashing encountered errors Please attempt to reflash again

The data collected from the tester can be saved to a file on the PC. The file is formatted to be open with Excel or any other compatible spreadsheet program. To save the file:

1. Press the Save Data button.

The save process will suggest a file name that is a combination of the device model and serial number. You can change it if desired.

<mark>‱</mark> Save						×
Save jn:	🛅 data			•	1 🕫 🛄 -	
My Recent Documents	RC-300-00	0000.xls				
Desktop						
My Documents My Computer						
My Network Places	 File <u>n</u> ame: Files of <u>t</u> ype:	RC-300-00000.xl	5		-	<u>S</u> ave Cancel

2. If the file already exists you have the option of overwriting it or appending to it.



Choose Yes to Overwrite or No to Append.



Auto Meter Products Inc. 413 West Elm Street Sycamore, IL 60178 Service (815) 899-0801 Toll Free (866) 883-TEST (8378) test.autometer.com