Instruction Manual for MicroPower eLogger Memory Upgrade Expander
Document Version 1.1

Thank you for your purchase!   This instruction manual will guide you through the installation and operation of your MicroPower eLogger Memory Upgrade (the Memory).   ***Please read the entire manual carefully before proceeding***.   If, after you read the manual, you have further questions or problems, see the Support page on http://www.eagletreesystems.com for additional information, or email us at support@eagletreesystems.com.

IMPORTANT: It is extremely unlikely that the installation of the Memory will affect your model's radio range or control.   But, as always after making an electronics change to your model, it is very important that you range and function test your model once the Memory is installed to ensure that there is no impact on your system.   Make sure that your "antenna down" operating range is within the manufacturer's specifications.   See your Radio owner's manual for the correct procedure for your equipment.   **DO NOT OPERATE IF YOUR MODEL DOESN'T PASS THE ANTENNA DOWN RANGE CHECK.**

Packing List
Your package should include the following: The Memory, and a printed version of this manual.   Please check our support web page for the electronic version of this manual which may be updated if changes were made after printing.

What the Memory Does
The Memory Upgrade connects to your eLogger to increase the logging memory by 5 times! The expanded memory is automatically detected and used when it is connected to the eLogger.

Supported Products
The Memory works with <u>all</u> versions of the MicroPower eLogger product.

Steps to Follow
Installation and use of your Memory should be quite easy and enjoyable if you follow these few steps:

1.   Read through the manual to understand the warnings, determine the installation and setup sequence, etc.
2.   Upgrade the Windows Application and Firmware for your Recorder as described in the "Windows Application and Firmware Update" section below.
3.   Install and configure the Memory as described below.

Windows Application and Firmware Update
To use the Memory, you must update to **Eagle Tree Windows <u>Application version 5.50</u>** or higher.   To update, download the latest application from the support page of our website, located at http://eagletreesystems.com/Support/apps.htm .   After downloading and installing the Application, the firmware of your MicroPower eLogger will need to be updated.   **V**ersion **4.91 or greater <u>eLogger/ firmware</u>** is required for the Memory to work correctly.

Connecting the Memory to the MicroPower
The Memory plugs into the "Aux" or "LCD" port of your MicroPower eLogger, as shown in Figure 1.   If you have a PowerPanel or other MicroSensors, those can "daisy chain" connect to the pins on the other side of your Memory, with the polarity as indicated on the Memory label.

Figure 1

Using the Extra Memory
If you have not already done so, set up the Recorder software as described in your instruction manual.   Then, whenever you want to use the extra memory capacity, just make sure that the Memory is connected to the eLogger when you power up the logger, and when you download data.

IMPORTANT: after using your eLogger in your model, don't forget to have the Memory connected when you download data! The memory expander could be taped or "velcroed" to your eLogger to ensure that the two don't get separated.

If the Memory is connected correctly, during data download the "Download In Progress" window will show a memory capacity that is much larger than the capacity that is shown without the Memory connected.
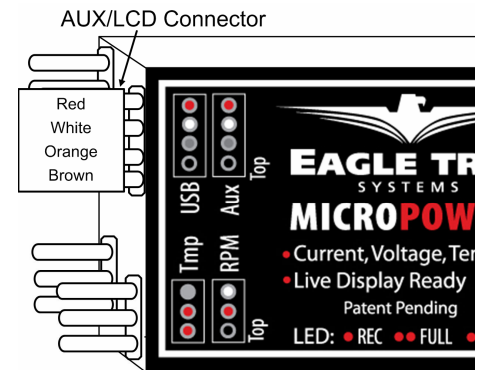
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Also note that "Tools, Clear Recorder Buffer" operates the same with the Memory Upgrade as without it. The Memory Upgrade will be cleared after "Tools, Clear Recorder Buffer" is invoked. The same is true with "Tools, Choose whether Logger Stops or Overwrites when Buffer Full."

Troubleshooting

Below is a list of problems that may be encountered, and steps to remedy them. If your particular issue is not addressed by the below, see the Support page on http://eagletreesystems.com or email support@eagletreesystems.com. Include a full description of your problem, your machine configuration, brands/models of receivers, transmitters and servos, Windows Application and Recorder firmware version if possible, and any other relevant details.

Issue: I do not see a memory increase when downloading from the recorder
Solutions:
- Ensure that the Memory is connected correctly to the MicroPower eLogger
- Ensure that you have updated the eLogger firmware to 4.91 or later.

Limited Warranty

Eagle Tree Systems, LLC, warrants the Memory to be free from defects in materials and workmanship for a period of one (1) year from the date of original purchase. This warranty is nontransferable. If your unit requires warranty service during this period, we will replace or repair it at our option. Shipping cost to us is your responsibility. To obtain warranty service, email support@eagletreesystems.com for further instructions.

This limited warranty does not cover:
- The Software. See the Software license agreement for more information on Software restrictions.
- Problems that result from:
  - External causes such as accident, abuse, misuse, or problems with electrical power
  - Servicing not authorized by us
  - Usage that is not in accordance with product instructions
  - Failure to follow the product instructions

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