REAMP Power Consumption Logger Software Owner's Manual

Contents

REAMP

REAMP Power Consumption Logger Software

Specifications:

- **Product Name:** Power Consumption Logger REAMP
- **Power Source:** 1.8V to 5V DC
- **Current Consumption Monitoring Range:** Instantaneous values
- **Voltage Measurement Range**: 20mV to 5V
- **Input Channels:** Two
- **Interface**: USB2

Product Usage Instructions

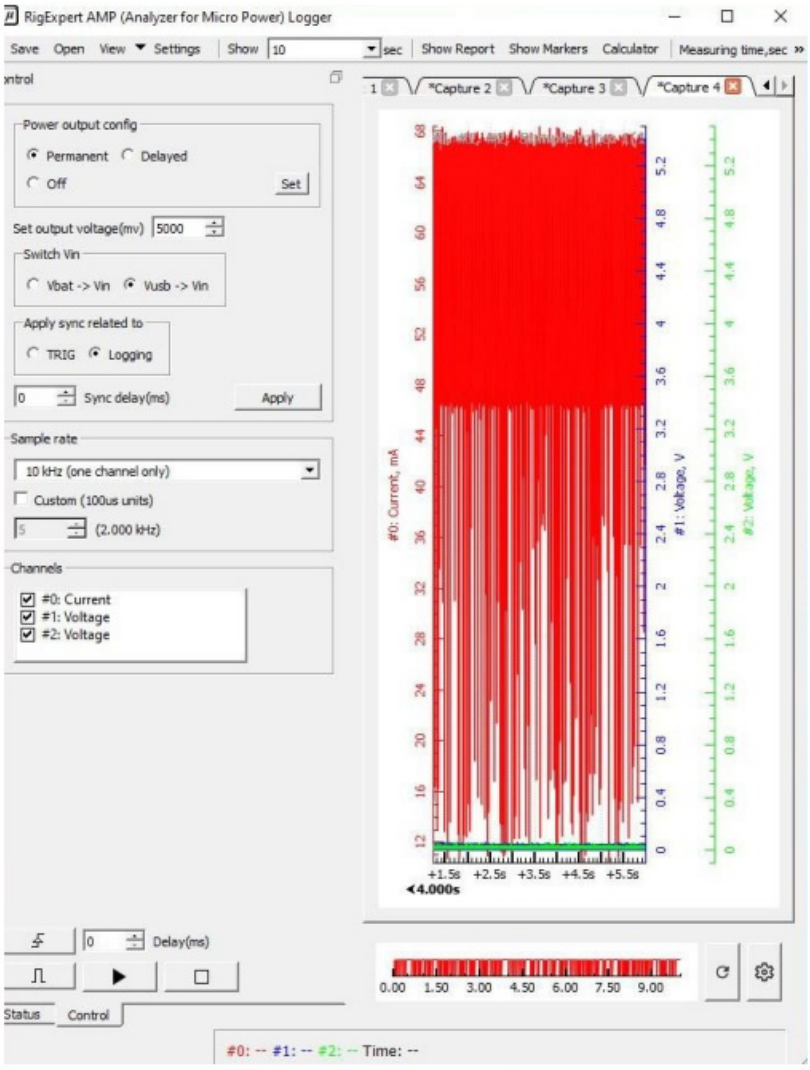
1. Install the REAMP Logger software on your computer.
2. Connect REAMP to the computer's USB2 port.
3. Insert the plastic 6-pin female connector module into REAMP's front panel 6-pin male connector.
4. Start the REAMP Logger software.
5. Set the necessary output voltage in mV, power output (permanent or delayed), and other parameters.
6. Connect the Device Under Test (DUT) to the power terminals ofthe plastic 6-pin connector: Pin 1 (+) and Pin 6 (- or Ground) directly or through special color-coded clips.
7. Push the button to start measuring.
8. The color graph on the right displays real-time power consumption characteristics during the measuring interval.
9. To remove power from the tested device, set the Power output config to OFF.

- REAMP is a highly stable and accurate laboratory power source for different electronic devices powered by 1.8V to 5V DC.
- REAMP can monitor and measure instantaneous values of the current consumption, record them in a log file, and make other measurements.
- REAMP user manual lists all these possibilities.
- The range of current measurements is 10µA to 1A (100dB).
- Additionally, two input channels measure the voltage at any schematicpoint of the tested device. The range of these voltage measurements is20mV to 5V.

Working with REAMP.

1. Install the REAMP Logger software
2. Connect REAMP to the computer's USB2 port.
3. Insert the plastic 6-pin female connector module into REAMP's front panel 6-pin male connector.

4. Start the REAMP Logger software.
5. Set the necessary output voltage in mV, power output (permanent or delayed), and other parameters.



6. Connect the tested device (DUT) to the power terminals of the plastic 6 pin connector:
    - Pin 1 – (+) and Pin6 (- or Ground) directly or through special color-coded clips.
    - There are six clips of different colors if needed.
    - Push the ▶ button to start measuring.
    - The color graph on the right shows the real-time power consumption characteristics during the measuring interval. Setting the “Power output config” to OFF removes the power from the tested device.

RigExpert REAMP could be a handy tool for any electronic laboratory.FAQ

Q: What is the voltage measurement range of REAMP?
A: The voltage measurement range of REAMP is 20mV to 5V.

Q: How many input channels does REAMP have?
A: REAMP has two input channels for monitoring the voltage at different schematic points of the device.

Q: How can I achieve maximum battery life using REAMP?
A: By accurately monitoring and measuring the current consumption of your electronic devices with REAMP, you can optimize power usage and extend battery life.

Documents / Resources

	REAMP Power Consumption Logger Software [pdf] Owner's Manual Power Consumption Logger Software, Consumption Logger Software, Logger Software, Software

References

- User Manual