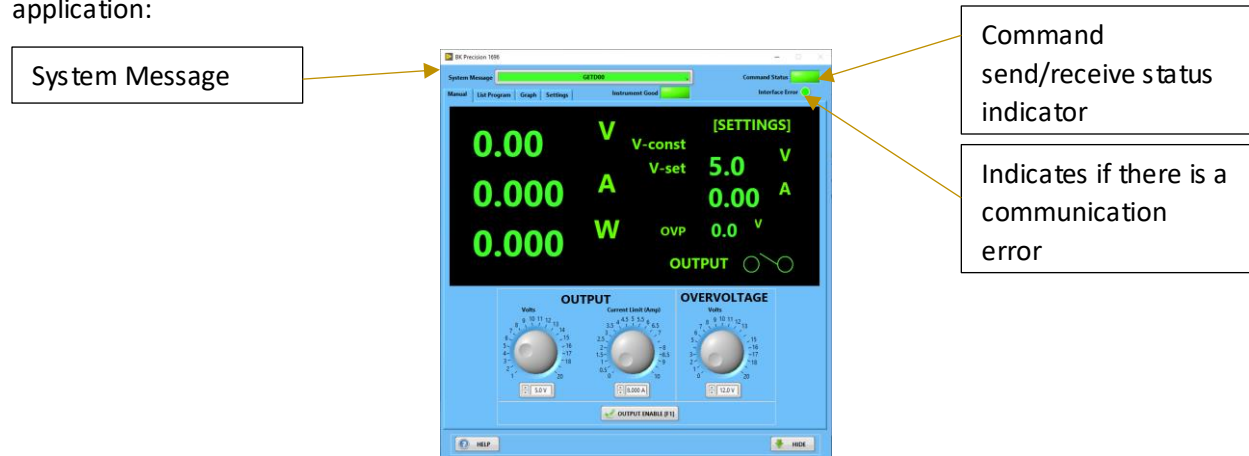


BK PRECISION 1696 SOFT PANEL

USER MANUAL

1. INTRODUCTION

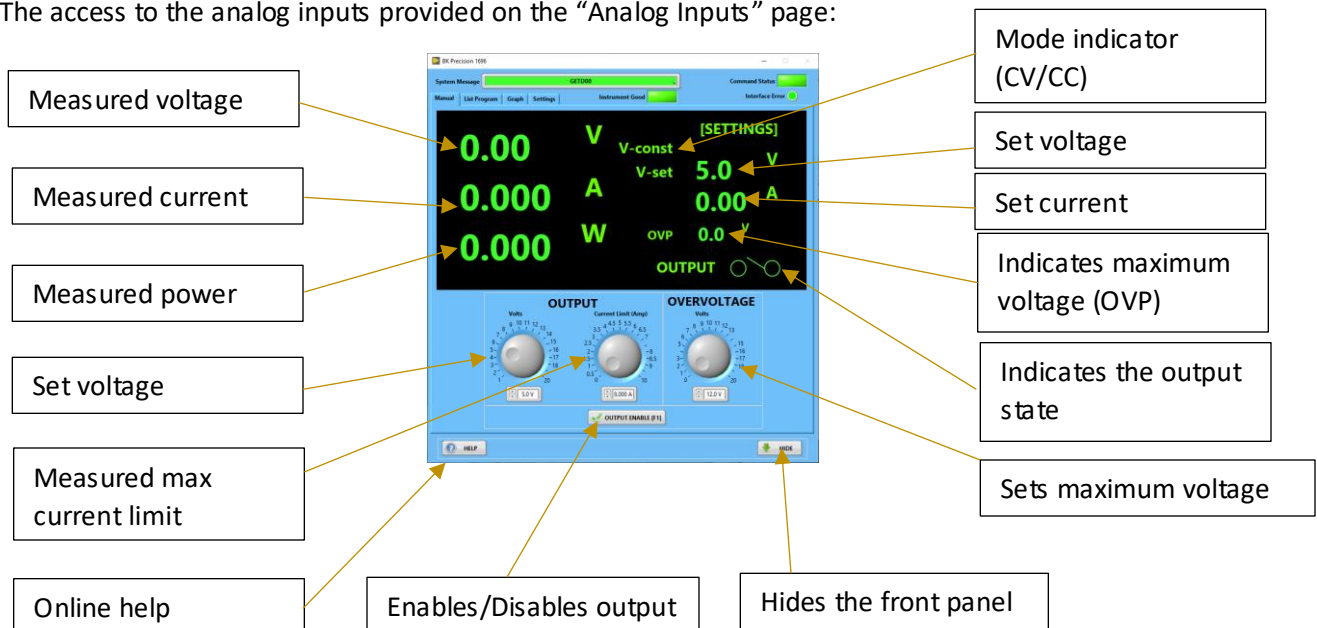
This document intends to provide the end-user with guidance on the BK Precision 1696 soft panel application:



The following sections describe the operation of the BK Precision 1696 soft panel where each set of functions represented on the dedicated page.

2 MANUAL page

The access to the analog inputs provided on the “Analog Inputs” page:



3 List Program

The BK Precision 1696 is capable to execute set of sequences containing voltage, maximum current, minutes and seconds to keep voltage and current.

The screenshot shows the BK Precision 1696 software interface. Callouts point to various features:

- Program selector**: Points to the 'List File' button.
- Opens the selected program**: Points to the 'OPEN' button.
- Saves program parameters to the selected file**: Points to the 'SAVE' button.
- Loads program parameters**: Points to the 'LOAD' button.
- This control allows entering the file description**: Points to the 'File Description' text area.
- Number of the program repeats**: Points to the '# of Cycles' input field.
- Executes the program list or terminates execution**: Points to the 'RUN' button.
- Program parameters up to 20 steps**: Points to the 'Program Parameters' table.

Step #	Voltage	Current	Minute	Seconds
0	5.6 V	8.00 A	0	15
1	7.5 V	8.00 A	0	10

To create the list program follow steps below:

1. Select list file .

2. Fill the file description (optional) .

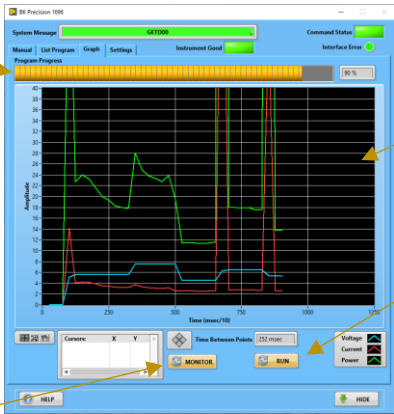
3. Define the steps .
4. Press "SAVE" button .

To execute the list program follow steps below:

1. Select the list file to execute .
2. Press "LOAD" button .
3. Select the number of cycles/times to execute the program .
4. Press "RUN" button.
5. To terminate the program execution depress the "RUN" button.

4 Graph

The “Graph” page allows monitoring and analyzing the instrument output parameters (voltage, current, power and the instrument’s mode (CV/CC) during the list program execution:



The screenshot shows the 'Graph' page of the BK Precision 1696 software. It features a main graph area with multiple colored lines (green, red, blue, black) plotted against 'Time (ms)' on the x-axis (0 to 1000) and 'Amplitude' on the y-axis (0 to 40). Above the graph is a 'Program Progress' bar showing 90% completion. Below the graph are controls for 'Time Between Points' (set to 100 ms), a 'MONITOR' button, and checkboxes for 'Voltage', 'Current', and 'Power'. Callout boxes point to specific elements: 'Program execution progress' points to the progress bar; 'Enables parameters monitoring' points to the 'MONITOR' button; 'Graph' points to the main plot area; and 'Executes the program list or terminates execution' points to the 'RUN' button.

Program execution progress

Graph

Executes the program list or terminates execution

Enables parameters monitoring

5. Settings

The “Settings” page allows configuring UDP interface parameters to link the BK Precision 1696 soft panel application and Execution Engine application. In addition, it provides means to communicate to the instrument for debugging purposes. There are controls to set the automatic instrument querying and enabling automated parameters update:

