

PROTOCOL COMMANDS List (RAU software V0.40)

Command	Value Range	Definition
*CAPB		CAPTURE BUTTON NUMBERS
*CAPE		EXIT CAPTURE BUTTON
*FADE=XYZ	XYZ=000 to 254	SET FADE RATE
*GRPG		SPECIFY ALL LOADS (GLOBAL)
*GRPS@PP. C	PP=01 to 63	SENDS COMMAND TO A SINGLE
	C=1 to 4	LOAD: PP =Module # ; C=Circuit #
*LVEQ=XYZ	XYZ=000 to =100	SET LEVEL EQUAL TO %
*LVOF		SET LEVEL TO FULL OFF
*LVON		SET LEVEL TO FULL ON
*LVRQ		REQUESTS LEVEL OF LAST
		LOAD OR ANY LOAD ENTERED
*LVUP		START RAMPING LEVEL UP
*LVDN		START RAMPING LEVEL DOWN
*LVST		STOP RAMPING LEVEL
*MENU		RETURNS TO RAU96 MENU
*PSTR=XYZ	XYZ=001 to =254	PRESET (scene) RECALL
*PSTS==XYZ	XYZ=001 to =254	PRESET (scene) SAVE
*RUNC		RUN CURRENT COMMAND IN
		BUFFER WITH LED REQUEST
*TSTC		RUN CURRENT COMMAND (faster)

All above commands could be sent to the RAU-96 interface to allow direct control and monitoring of the **PROTOCOL** Dimmers and Station keypads.



PROTOCOL COMMANDS INSTRUCTIONS:

SETTING THE COMMUNICATION PORT:

COM1 Properties	TEST1 Properties
Port Settings	Connect To Settings Function, arrow, and ctrl keys act as Terminal keys
Bits per second: 9600	Backspace key sends Octrl+H O Del O Ctrl+H, Space, Ctrl+H
Data bits: 8	Emulation:
Parity: None	Auto detect Terminal Setup Telnet terminal ID: ANSI
Stop bits: 1	Backscroll buffer lines: 500
Flow control: None	Play sound when connecting or disconnecting
Restore Defaults	Input Translation ASCII Setup
OK Cancel Apply	OK Cancel



	TEST	l Properties
I	Conn	ect To Settings
I	C F	ASCII Setup
		ASCII Sending Send line ends with line feeds Echo typed characters locally Line delay: 2 milliseconds. Character delay: 2 milliseconds.
	Tel Bac	ASCII Receiving Append line feeds to incoming line ends Force incoming data to 7-bit ASCII Wrap lines that exceed terminal width
		OK Cancel
		OK Cancel

Once the communication port is set make sure that the **RAU96** is powered and connected to the correct RS232 COM port. Hit ENTER and you should get the following screen:

Digital Lighting Systems, Controls division. PROTOCOL SERIES DIMMING SYSTEMS. BY A. M. K. REMOTE ACCESS UNIT READY. TYPE Password & HIT [ENTER]: -



Enter the default pass word : 1234, you should get the following screen of the Main Menu

Digital Lighting Systems, Controls division.	
PROTOCOL SERIES DIMMING SYSTEMS. BY A. M. K.	
REMOTE ACCESS UNIT READY.	
TYPE Password & HIT [ENTER]: 1234 ********* MAIN MENU ************************************	

SETTING THE RAU-96 To COMMAND MODE:

The RAU-96 is set at the factory DIAGNOSICS and PROGRAMMING mode .

To set to COMMAND mode:

(*This is done once and then the RAU-96 will remain on Command mode till* *MENU *is entered*) Type 1 and enter. This will bring the Host RAU menu.

Type 10 and enter. The RAU-96 will go into COMMAND mode and will be ready to receive the ASCII commands.

The RAU-96 will remain in the COMMAND mode after power OFF/ ON and will be always ready to receive commands till *MENU is entered instead of a command.

Digital Lighting Systems, Controls division. PROTOCOL SERIES DIMMING SYSTEMS. BY A. M. K. REMOTE ACCESS UNIT READY.		
TYPE Password & HIT LENTER]: 1234 ******** MAIN MENU ************************************		
<pre>[4] Patch Panel Menu. [5] File Transfer Utility. [6] General Diagnostics Menu. [10] LOG OFF.</pre>		
TYPE CHOICE & HIT [ENTER]: 1 ********** HOST RAU MENU ************************************		



Once the RAU-96 is set to COMMAND mode. The **RAU>** string appears on the screen and the RAU-96 is ready to receive and execute the strings of commands.

Every command should be preceded by an asterisk All commands should be entered in UPPER CASE. Commands could be entered in any sequence followed by RUNC then <Enter> ***TSTC** could be used instead of ***RUNC** for faster Command execution and response when LED indicators update on control stations is not needed.

After *RUNC the RAU-96 will send **RAU>** to the screen when it is ready to receive another commands string and execute it.

ENTERING COMMANDS

Every command should be preceded by an asterisk All commands should be entered in UPPER CASE. Commands could be entered in any sequence followed by RUNC then <Enter> After *RUNC the RAU-96 will send RAU> to the screen when it is ready to receive another commands string and execute it.

The following is a command string example :

*GRPS@01.1*LVEQ=050*RUNC <enter> This command will bring circuit #1 in module #1 to a 50% level.</enter>
Digital Lighting Systems, Controls division.
PROTOCOL SERIES DIMMING SYSTEMS. BY A. M. K.
REMOTE ACCESS UNIT READY.
TYPE Password & HIT [ENTER]: 1234 ********* MAIN MENU ********* [1] Host RAU Menu. [2] Station Module Menu. [3] Dimmer Module Menu. [4] Patch Panel Menu. [5] File Transfer Utility.
<pre>[6] General Diagnostics Menu. [10] LOG OFF. TYPE CHOICE & HIT [ENTER]: 1</pre>
Image: State Part of the part of th
TYPE CHOICE & HIT [ENTER]: 10 RAU> *GRPS@01.1*LVEQ=050*RUNC RAU>



The following command will turn this same circuit OFF: *LVOF*RUNC

Note that the circuit number command *GRPS@01.1 did not have to be entered. The RAU-96 will remember the last Circuit and would keep sending commands to it till another <u>GRPS@pp.c</u> is sent.

Digital Lighting Systems, Controls division.				
PROTOCOL SERIES DIMMING SYSTEMS. BY A. M. K.				
REMOTE ACCESS UNIT READY.				
TYPE Password & HIT [ENTER]: 1234 ************************************				
TYPE CHOICE & HIT [ENTER]: 1 1 Modify Site Password. [2] View Current System Configuration. [3] Modify Current System Configuration. [4] Auto-Detect Current Active Configuration. [5] Copy Auto-Detect Results to Current Configuration. [6] Save to RNU Memory. [7] Send Configuration to Individual Nodes. [8] About RAU. [9] Default to Factory Settings. [10] GO TO COMMAND MODE. [11] Exit To Main Menu. TYPE CHOICE & HIT [ENTER]: 10 RAU> *GRPS@01.1*LVEQ=050*RUNC RAU> *LVOF*RUNC RAU>				

Other examples:

Example: *PSTS=001* GRPG*RUNC <Enter> This command will SAVE in Preset Number 1 the current levels of all the circuits in the system.

Example: ***PSTR=001* GRPG*RUNC <Enter> This command will RECALL Preset Number 1 for all circuits in the system.**

Example: *GRPS@03.2* LVRQ*RUNC <Enter> This command will return the % level of Channel #2 in Module #03 as follows:

03.2=%030 &RAU>

End of instructions