



## PROTOCOL COMMANDS List (RAU software V0.40)

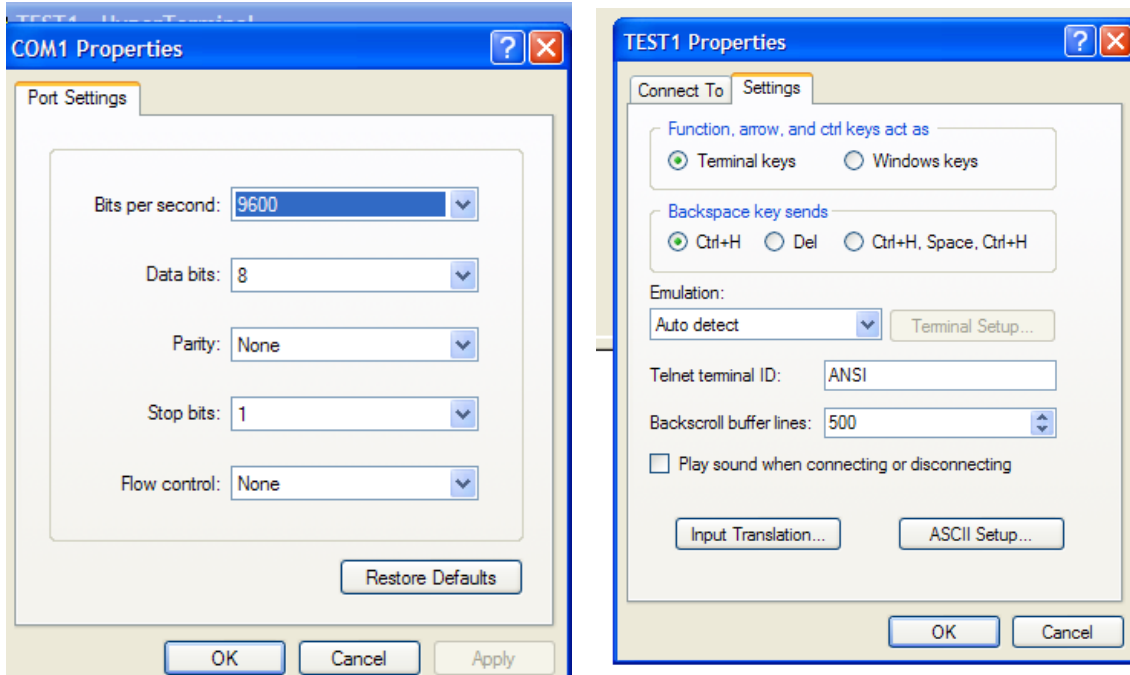
Command	Value Range	Definition
*CAPB		CAPTURE BUTTON NUMBERS
*CAPE		EXIT CAPTURE BUTTON
*FADE=XYZ	XYZ=000 to 254	SET FADE RATE
*GRPG		SPECIFY ALL LOADS (GLOBAL)
*GRPS@PP. C	PP=01 to 63 C=1 to 4	SENDS COMMAND TO A SINGLE LOAD: PP =Module # ; C=Circuit #
*LVEQ=XYZ	XYZ=000 to =100	SET LEVEL EQUAL TO %
*LVOF		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)

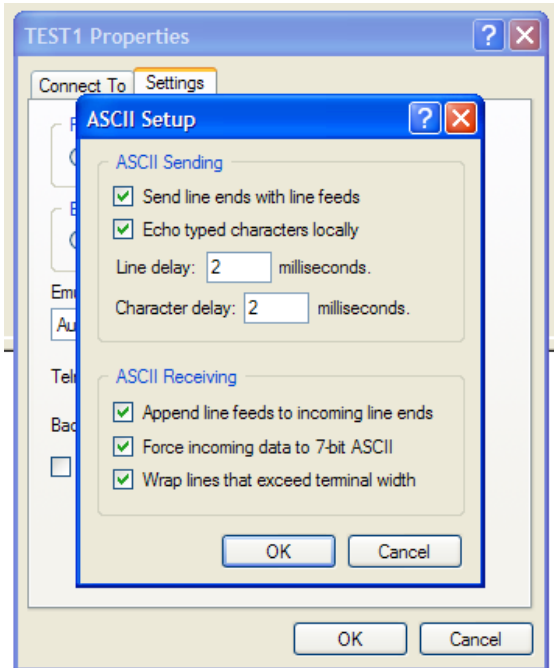
All above commands could be sent to the RAU-96 interface to allow direct control and monitoring of the **PROTOCOL** Dimmers and Station keypads.



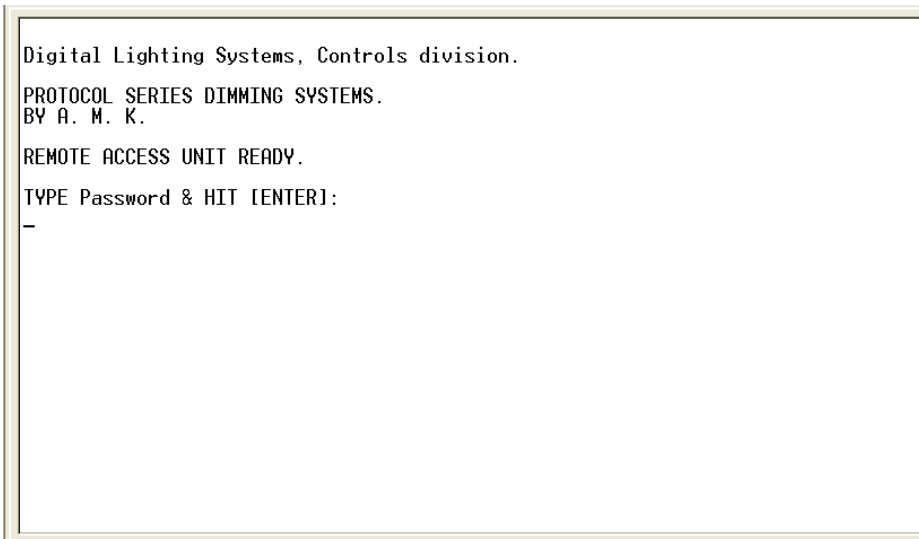
## PROTOCOL COMMANDS INSTRUCTIONS:

### SETTING THE COMMUNICATION PORT:





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:





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 *****
[1] Host RAU Menu.
[2] Station Module Menu.
[3] Dimmer Module Menu.
[4] Patch Panel Menu.
[5] File Transfer Utility.
[6] General Diagnostics Menu.
[10] LOG OFF.

TYPE CHOICE & HIT [ENTER]:
-

```

#### 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.

```

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1234
***** MAIN MENU *****
[1] Host RAU Menu.
[2] Station Module Menu.
[3] Dimmer Module Menu.
[4] Patch Panel Menu.
[5] File Transfer Utility.
[6] General Diagnostics Menu.
[10] LOG OFF.

TYPE CHOICE & HIT [ENTER]:
1
***** HOST RAU MENU *****
[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 RAU 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>

```



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.**

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TYPE Password & HIT [ENTER]:
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[6] Save to RAU 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>
```



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 GRPS@pp.c is sent.

```

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REMOTE ACCESS UNIT READY.

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[1] Host RAU Menu.
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[6] Save to RAU 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*