SIMDA

Serial Communication Protocol for SIMDA Random access Projectors

3262,3462,3245,3445

TABLE OF CONTENTS:

COMMANDS SUMMARY:

Text	Syntax	Projector 3245 3445	3262 3462	Answers
-Switch lamp off, go to slide xx	**Axx&**	yes	yes	**[$]**
	axx&	yes	yes	**[]**
-Go to slide xx	**Bxx&**	yes	yes	**[$]**
	bxx&	yes	yes	**[]**
-Set light to level xx	**Cxx&**	yes	yes	**[$]**
	cxx&	yes	yes	**[]**
-Fade to xx	**Dxx&**	yes	yes	**[$]**
	dxx&	yes	yes	**[]**
-Fade and step forward (time xx)	**Exx&**	yes	yes	**[$]**
	exx&	yes	no	**[]**
-Fade, no step	**Fxx&**	yes	yes	**[$]**
	fxx&	yes	no	**[]**
-Reserved	**Gxx&**	no	no	**[]**
	gxx&	no	no	**[]**
-Set fading time (up)	**Hxx&**	yes	yes	**[$]**
	hxx&	yes	yes	**[]**
-Set fading time (down)	**Ixx&**	yes	yes	**[$]**
	ixx&	yes	yes	**[]**
-Step forward	**J00&**	yes	yes	**[$]**
	j00&	yes	yes	**[]**
-Step reverse	**J01&**	yes	yes	**[$]**
	j01&	yes	yes	**[]**
-Switch light off and step forward	**J02&**	yes	yes	**[$]**
	j02&	yes	yes	**[]**
-Switch light off and step reverse	**J03&**	yes	yes	**[$]**
	j03&	yes	yes	**[]**
-Reserved	**J04&**	no	no	**[]**
	j04&	no	no	**[]**

-Open the shutter	**J05&**	yes	yes	**[$]**
	j05&	yes	yes	**[]**
-Close the shutter	**J06&**	yes	yes	**[$]**
	j06&	yes	yes	**[]**
-Step focus forward	**J07&**	yes	yes	**[$]**
	j07&	yes	no	**[]**
-Reserved	**J08&**	no	no	**[]**
	j08&	no	no	**[]**
-Step focus reverse	**J09&**	yes	yes	**[$]**
	j09&	yes	no	**[]**
-reserved	**J10&**	yes	yes	**[string$]**
	j10&	yes	yes	**[]**
-Reset projector	**J11&**	yes	yes	**[$]**
	j11&	yes	no	**[]**
-Get slide number	**J12&**	yes	yes	**[num$]**
	j12&	yes	yes	**[]**
-Get light level	**J13&**	yes	no	**[$]**
	j13&	yes	no	**[]**
-Freeze fading	**J14&**	yes	yes	**[$]**
	j14&	yes	yes	**[]**
-Resume fading	**J15&**	yes	yes	**[$]**
	j15&	yes	yes	**[]**
-Abort fading	**J16&**	yes	yes	**[$]**
	j16&	yes	yes	**[]**
-Get status 2	**J17&**	yes	yes	**[num$]**
	j17&	yes	yes	**[]**
-Set fading time step 1 sec.	**J18&**	yes	yes	**[$]**
	j18&	yes	yes	**[]**
-Set fading time step 0.1 sec.	**J19&**	yes	yes	**[$]**
	j19&	yes	yes	**[]**
-Set decimal mode	**J20&**	yes	yes	**[$]**
	j20&	yes	yes	**[]**

July 16th,1996   Copyright SIMDA

-Get status 1	**J21&**	yes	yes	**[num$]**
	j21&	yes	yes	**[]**
-Get projector model	**J22&**	yes	yes	**[num$]**
	j22&	yes	no	**[]**
-Get software version number	**J23&**	yes	yes	**[num$]**
	j23&	yes	no	**[]**
-Enable Autoshow mode	**J24&**	yes	yes	**[$]**
	j24&	yes	no	**[]**
-Enable Timer mode	**J25&**	yes	yes	**[$]**
	j25&	yes	no	**[]**
-Disable Timer/Autoshow	**J26&**	yes	yes	**[$]**
	j26&	yes	no	**[]**
-Enable Autofocus	**J27&**	yes	no	**[$]**
	j27&	yes	no	**[]**
-Disable Autofocus	**J28&**	yes	no	**[$]**
	j28&	yes	no	**[]**
-Reserved	**J29&**	no	yes	**[$]**
	j29&	no	yes	**[]**
-Reserved	**J30&**	no	yes	**[$]**
	j30&	no	yes	**[]**
-Set Hexadecimal mode	**J31&**	yes	yes	**[$]**
	j31&	yes	yes	**[]**
-Reserved	**J32&**	no	yes	**[num$]**
	j32&	no	yes	**[]**
-Reserved	**J33&**	no	yes	**[num$]**
	j33&	no	yes	**[]**
-Get minimum light setting (glow)	**J34&**	yes	yes	**[num$]**
	j34&	yes	yes	**[]**
-Get fading time (up)	**J35&**	yes	yes	**[num$]**
	j35&	yes	yes	**[]**
-Get fading time (down)	**J36&**	yes	yes	**[num$]**
	j36&	yes	yes	**[]**
-Get fading curve number	**J37&**	yes	yes	**[num$]**

July 16th,1996   Copyright SIMDA

	j37&	yes	yes	**[]**
-Get timer time setting	**J38&**	yes	yes	**[string$]**
	j38&	yes	no	**[]**
-Get mains voltage level	**J39&**	yes	yes	**[num$]**
(not calibrated)	**j39&**	yes	yes	**[num]**
-Reserved	**J40&**	no	yes	**[$]**
	j40&	no	yes	**[]**
-Reserved	**J41&**	no	yes	**[$]**
	j41&	no	yes	**[]**
-Reserved	**J42&**	no	yes	**[string$]**
	j42&	no	no	**[]**
-Reserved	**J43&**	no	yes	**[string$]**
	j43&	no	no	**[]**
-Reserved	**J44&**	no	yes	**[$]**
	j44&	no	yes	**[]**
-Reserved	**J45&**	no	yes	**[$]**
	j45&	no	yes	**[]**
-Reserved	**J46&**	no	yes	**[$]**
	j46&	no	yes	**[]**
-Reserved	**J47&**	no	yes	**[$]**
	j47&	no	yes	**[]**
-Cancel N.S.N.L. or A.C.D.	**J48&**	yes	yes	**[$]**
	j48&	yes	yes	**[]**
-Restore N.S.N.L. or A.C.D.	**J49&**	yes	yes	**[$]**
	j49&	yes	yes	**[]**
-Select A.C.D.	**J50&**	yes	yes	**[$]**
	j50&	yes	yes	**[]**
-Select N.S.N.L	**J51&**	yes	yes	**[$]**
	j51&	yes	yes	**[]**
-Get status 3	**J52&**	yes	yes	**[num$]**
	j52&	yes	yes	**[]**
-Reserved	**J53&**	no	no	**[$]**
	j53&	no	no	**[]**

-Reserved	**J54&**	no	no	**[$]**
	j54&	no	no	**[]**
-Reserved	**J55&**	no	no	**[$]**
	j55&	no	no	**[]**
-Projector software reset	**J56&**	yes	yes	**[$]**
	j56&	yes	yes	**[]**
-Record Timer setting	**J57&**	yes	yes	**[$]**
	j57&	yes	no	**[]**
-Reserved	**J58&**	no	yes	**[$]**
	j58&	no	no	**[]**
-Set Timer value (seconds)	**Kxx&**	yes	yes	**[$]**
	kxx&	yes	yes	**[]**
-Set Timer value (1/10 sec.)	**Lxx&**	yes	yes	**[$]**
	lxx&	yes	yes	**[]**
-Increase light setting by xx	**Mxx&**	yes	yes	**[$]**
	mxx&	yes	yes	**[]**
-Decrease light setting by xx	**Nxx&**	yes	yes	**[$]**
	nxx&	yes	yes	**[]**
-Reserved	**Oxx&**	no	yes	**[$]**
	oxx&	no	yes	**[]**
-Reserved	**Pxx&**	no	yes	**[$]**
	pxx&	no	yes	**[]**
-Set minimum light (glow) setting	**Qxx&**	yes	yes	**[$]**
	qxx&	yes	yes	**[]**
-Reserved	**Rxx&**	no	yes	**[$]**
	rxx&	no	no	**[]**
-Reserved	**Sxx&**	no	yes	**[$]**
	sxx&	no	no	**[]**
-Set light table number	**Txx&**	yes	no	**[$]**
	txx&	yes	yes	**[]**
-Reserved	**Uxx&**	no	no	**[$]**
	uxx&	no	no	**[]**

-9-

-Reserved	**Vxx&**	no	yes	**[$]**
	vxx&	no	yes	**[]**
-Reserved	**Wxx&**	no	no	**[$]**
	wxx&	no	no	**[]**
-Reserved	**Xxx&**	no	no	**[$]**
	xxx&	no	no	**[]**
-Record Fading table in EEPROM	**Yxx&**	yes	yes	**[$]**
	yxx&	yes	no	**[]**
-Reserved	**Zxx&**	no	no	**[$]**
	zxx&	no	no	**[]**

PHYSICAL INTERFACE :

Serial interface   Simda projectors have a full compatible RS232C interface

	Din6	**SubD9**	
Connector	**Pin 1**		not used (RS232)
	Pin 2		not used (RS232)
	Pin 3		30V supply no regulated (200mA max.)
	Pin 4		not used (RS232)
	Pin 5	**2**	Transmit data (output to computer)
	Pin 6	**5**	Signal ground
	Shield	**3**	Receive data (Input from computer)

Format

Speed	9600 bauds
Length	8 bits
Stop bits	2
Parity	none
Handshake	SIMDA

July 16th,1996   Copyright SIMDA

COMMUNICATION PROTOCOL :

Two communication protocols are available.

With acknowledge
(Uppercase cmd char)

The projector sends an acknowledge character **[$]** after completion of each command.
Do not send any new command before reception of this answer. Once the character **[$]** has been sent, the user knows that the projector is in the desired state and waits for a new command.
A command is never serviced when the projector is busy .
For that reason,other incomming commands (buttons,12p plug) will delay any serial query.

Without acknowledge
(Lowercase cmd char)

(only 3245/3445 and 3262/3462 projectors)
The projector does not send any character after completion of a command (except for **BREAK**). In that mode commands modify a "virtual" projector in memory. Because these modifications take no time, one can send a continuous stream of commands or inquiries to the projector.
The projector microprocessor keeps the physical machine as close as possible to the virtual image.
- in that mode, Hexadecimal mode is set automatically (**J31&**) for 3262 and 3462 .For that reason it is strongly suggested to work always with the Hexadecimal mode
- for inquiries, no separator is sent between answers. Thus one must take care when sending multiple inquiries.

3245/3445

These projectors accept continuous stream of data for both Acknowleged and "non acknowleged" commands.However,the same restrictions may be applied to make a "driver" compatible.

3262&3462

The same command character is used for both modes.
If it is UPPERCASE ,acknowledged mode is selected.
If it is lowercase   ,"Without acknowledge" mode is selected.

Commands structure:

Software protocol   **Lengh,**   4 characters ASCII

        Character 1,   Command Identificator (**CMD**)

        Character 2&3, Parameter . Two bytes ASCII.(**PARAM**)
Represents a value between 00 and 99 in the decimal mode, or 00 and FF in the Hexadecimal mode.

        Character 4,   End (**END**)

Description   **CMD,**   Either a letter betw. **A** and **Z** (acknowledged mode). or a letter betw. **a** and **z** (non acknowledged mode).

        PARAM,   This parameter may be either Decimal or Hexadecimal ,thus allowing values between 00 and 99 or 00 and FF. Mode selection is made through **J20&/J31&** commands .

For 3262 and 3462,Non acknowledged commands (lowercase) set hexadecimal mode.

        END,   Ends a command   either **0Dh [ENTER]**
                or   **26h [&]**
For a better understanding ,examples in this manual are always given using the **&** character .

        BREAK,   Resets the serial communication line : **2Fh [/]** (Resets the serial buffer but does not change any projector setting (baud rate , etc)) .The projector always acknolege this character with the same character **[/]** . This is the only exception to the normal ACK character **[$]**

Compatibility   **Projector,** Because all the projectors do not have the same characteristics ,some commands are not valid
for all   models or all software versions .This is
specified for   each command.

Projector answers :

ACK,   acknowledge character = **24h [$]**
(except for **Break**)

Num   Numerical value (for inquiries)
decimal mode : 3 characters ASCII **012**
Hexadecimal : 2 ASCII characters **0C**

String   String of num. values separated by [_]
For example :
012_145_$ (decimal)
0C_91_$ (hexadecimal)

BREAK,   Serial communication line reset character:**2Fh [/]**
The projector always sends **[/]** after a BREAK
command .

Comments: When acknowledged mode is used, one must wait for the **[$]** to
be sure that answer is fully received .In addition one must wait
for the separator **[_]** after each value in a string .

Pascal example:
```
Text_Received := '';
Char_Received := '';
 Repeat
      If Char_Available( Com1 )  then begin
            Char_Received := Read_Char( Com1 );
            Text_Received := Text_Received + Char_received;
            End;
Until Char_Received='$';
```

WARNING 3245/3445:   **Once the ALC switch the projector to lamp2 , the lamp2
status is recorded in permanent memory .
When the projector is serviced (bulb changed and projector
set to L1),One must clear the L2 led by pushing both
"timer" and "focus" buttons togather during more than two
seconds.**

    July 16th,1996   Copyright SIMDA

J12

Command :   Get slide number

Syntax :   **J12&**   (With acknowledge)
                                        j12&   (Without acknowledge)

Supported by :   3245 3445   3262 & 3462

From Software Version :   0.1   2.5

Comments :   Slide number may be either decimal or Hexadecimal

Example: **J12&[021$]**The slide which is in the gate is the 21th
                                        (assuming that decimal mode is active)

Warning :   If the acknowledged command is sent while the tray is
                                        moving, the answer is delayed until it reaches its position.
                                        After power up,this value is wrong until the projector
                                        reaches the zero position.

J13

Command :   Get light level

Syntax :   **J13&**   (With acknowledge)
                   j13&   (Without acknowledge)

Supported by :   3245&3445   3262 & 3462

From Software Version :   0.1   3.0

Comments :   Gives the current light level .Value is either 00 to 99
                   or 00 to FF (hexadecimal mode).

Example: **J13&[015$]** Light level is 15.

Warning :

July 16th,1996   Copyright SIMDA

J17

Command: Get the Status 2

Syntax :   **J17&**   (With acknowledge)
                                j17&   (Without acknowledge)

Supported by :   3245&3445   3262 & 3462
From Software Version :   0.1   3.0

Comments: The projector sends a byte (two (hexadecimal) or three (decimal) ASCII chars).

	Cmd	=0	=1
Bit 0, twinckle mode	**J40**	NO	YES
Bit 1, Slide number is true		NO	YES
Bit 2, Timer available		NO	YES
Bit 3, Autofocus available		NO	YES
Bit 4, Fading under processing	**Dxx**	NO	YES
Bit 5 Reserved		NO	YES
Bit 6, Fading time setting	**J18**	1..9s	1..99s
Bit 7, Autoshow mode	**J24**	NO	YES

Example: **j17&[00$]**
Bit 0=0,   No twinckling under processing
Bit 1=0,   The projector has not seen yet the zero position, thus getting slide number will give a wrong result. One can initialize the counter with the **B00&** command.
Bit 2=0,   This projector has no timer.
Bit 3=0,   This projector has no auto-focus.
Bit 4=0,   No fading under process.
Bit 5=0,   Reserved
Bit 6=0,   Time step is 0.1s (0.1 to 9.9 or 25.5 s) . Selected by **J18&** and **J19&**.
Bit 7=0,   This projector has no auto-show.

Warning :   When (after power up) the projector has never seen the zero position (thus does not know slide number), bit 1 is zero.
One can calibrate this counter with a **B00&** command which makes the projector to look for the physical zero. Answer is either decimal or Hexadecimal.

-18-

J21

Command :	Get the Status 1
Syntax :	**J21&** (With Acknowledge)
	j21& (Without Acknowledge)
Supported By :	3245&3445 3262 & 3462
From Software Version :	0.1 2.5

Comments : The projector sends a byte (two (hexadecimal) or three (decimal) ASCII chars).

	Cmd	**=0**	**=1**
Bit 0, Slide in the gate		Yes	No
Bit 1, Tray position is zero		Yes	No
Bit 2, Timer		On	Off
Bit 3, Autofocus		On	Off
Bit 4, Mechanical jam		Yes	No
Bit 5, Lamp on		Yes	No
Bit 6, Bulb		L1	L2
Bit 7, Shutter	J05,J06	Closed	Open

Example: **j21&[017$]** means :(00010001)

No slide in the slide gate	(1)
Slide tray is in the zero position	(0)
Timer off	(0)
Autofocus off	(0)
Projector OK	(1)
lamp on	(0)
(which is Lamp 1),	(0)
Shutter closed.	(0)

Warning : Answer is either decimal or Hexadecimal.

July 16th,1996   Copyright SIMDA

J22

Command :   Get projector model.

Syntax :   **J22&**   (With Acknowledge)

Supported By :   3240   3262 & 3462

From Software Version :   1.3   2.5

Comments :   Model: Decimal value:
                                       SIMDA 3232   **[32]**
                                       SIMDA 3232AF   **[33]**
                                       SIMDA 3240   **[40]**
                                       SIMDA 3240AF   **[41]**
                                       SIMDA 3262   **[62]**
                                       SIMDA 3462   **[64]**
                                       Simda   3245&3445   [45]
                                       Compatible 3234   **[34]**
                                       Compatible 6000   **[60]**
                                       Compatible 7000   **[70]**
                                       Compatible 8000   **[80]**

Example: **J22&[40$]**   3462 projector (decimal mode)
                                       J22&[40$]   3462 projector (Hexadecimal mode)

Warning :   Answer DO NOT differs depending on the mode (decimal
                                  or Hexadecimal). the answer is always 2 bytes long
                                       for both decimal and hexadecimal modes .

July 16th,1996   Copyright SIMDA

J23

Command :   Get Software version number

Syntax :   **J23&**   (With Acknowledge)

Supported By :   3245&3445   3262 & 3462

From Software Version :   0.1   2.5

Comments :   Gives 2 characters ASCII

Example: **J23&[30$]**   Version 3.0   Decimal mode
                     J23&[30$]   Version 3.0   Hexadecimal mode

Warning :   Answer DO NOT differs depending on the mode (decimal
or Hexadecimal). the answer is always 2 bytes long
        for both decimal and hexadecimal mode

July 16th,1996   Copyright SIMDA

J37

Command :   Get Fading curve number

Syntax :
J37&	(With Acknowledge)
j37&	(Without Acknowledge)

Supported By :   3245&3445   3262 & 3462

From Software Version :   0.1   3.0

Comments :   Gives the number of the fading curve (set by **Txx&**).
The byte returned has the following structure :

BIT 0,	{
BIT 1,	{
BIT 2,	{
BIT 3,	{ Number of the table (0 to 15)
BIT 4,	Reserved - Always 0
BIT 5,	Reserved - Always 0
BIT 6,	=0 Read / =1 Write mode
BIT 7,	=0 ROM table / =1 EEPROM table

Example: **J37&[128$]**   EEPROM table 0.

	Bit 7=1	means EEPROM table.
	Bits 0..3=0	means table number is 0

Warning :   .

July 16th,1996   Copyright SIMDA

J48

Command :   Cancels the N.S.N.L. or A.C.D. mode

Syntax :   **J48&**   (With Acknowledge)
                                 j48&   (Without Acknowledge)

Supported By :   3245&3445   3262 & 3462

From Software Version :   0.1   .3.0

Comments :   The shutter remains opened even if there is no slide.

Example: **J48&[$]**

Warning :   If the power is switched off and on, standard mode is set
                                 again.
                                 During a tray movement, shutter is always closed .

July 16th,1996   Copyright SIMDA

J49

Command :   Enables the N.S.N.L. or A.C.D. mode again

Syntax :   **J49&**   (With Acknowledge)
                                              j49&   (Without Acknowledge)

Supported By :   3245&3445   3262 & 3462

From Software Version :   0.1   3.0

Comments :   The projector is set again in the mode choosen by **J50** and
                                        J51 (N.S.N.L or A.C.D)**.**

Example: **J49&[$]**

Warning :   If the power is switched off and on or after a reset,
                                      standard mode is set.

J50

Command :   Selects the "A.C.D." function (Auto Cooling Delay).

Syntax :   **J50&**   (With Acknowledge)
j50&   (Without Acknowledge)

Supported By :   3245&3445   3262 & 3462

From Software Version :   0.1   3.0

Comments :   If the **J49&** function is on, the shutter is opened (after a slide change)only if a slide is in the gate <u>and</u> if the

required   light level is more than zero.
This function suppresses "ghost images" due to lamp cooling delay after a slide change.

Example: **J50&[$]**

Warning :   When N.S.N.L or A.C.D. keep the shutter closed ,one cannot open it using **J05&** .
J50& cancels **J51&**.
J48& cancels both functions **J50&** and **J51&**

July 16th,1996   Copyright SIMDA

J51

Command :	Selects the N.S.N.L. function
Syntax :	**J51&** (With Acknowledge)
	j51& (Without Acknowledge)
Supported By :	3245&3445 3262 & 3462
From Software Version :	0.1 3.0
Comments :	If there is no slide in the gate, the shutter keeps closed (No Slide No Light).
Example:	**J51&[$]**
Warning :	When N.S.N.L or A.C.D. keep the shutter closed ,one cannot open it using **J05&** .
	If the power is switched off and on, standard mode is set.

Command :   Get status 3.

Syntax :   **J52&**   (With Acknowledge)
                             j52&   (Without Acknowledge)

Supported By :   3245&3445   3262 & 3462

From Software Version : 0.1   3.0

Comments :   Sends back some system flags :

	cmd	**=0**	**=1**
BIT 0,Fading curves are in EEPROM	**Txx**	No	Yes
BIT 1,Shutter mode	**J50**	NSNL	ACD
BIT 2,Shutter is closed by A.C.D.		No	Yes
BIT 3,Reserved		No	Yes
BIT 4,Bright/Economy switch position		**Bright**	Eco
BIT 5,IN/OUT switch position		IN	Out
BIT 6,Don't care		No	Yes
BIT 7,Tray is moving		No	Yes

Example: **J52&[80$]**
                             BIT 0,=0   ROM fading curve
                             BIT 1,=0   NSNL mode
                             BIT 2,=0   Shutter not closed by "A.C.D."
                             BIT 3,=0   Don't care
                             BIT 4,=0   BRIGHT position
                             BIT 5,=0   "IN" position
                             BIT 6,=0   Don't care
                             BIT 7,=1   Tray is moving

Warning 3245/3445 :   **j52&** Set automatically the **Hexadecimal** mode for
compatibility   with 3262/3462 drivers.(j52& means : j31& + j52&)
                             This is the only lowercase cmd which set the hexadecimal
                                 mode (for 3262/3462, any lowercase cmd set the
                                 hexadecimal mode)

July 16th,1996   Copyright SIMDA

Command :   Select light table number

Syntax :   **Txx&**   (With Acknowledge)
                                      txx&   (Without Acknowledge)

Supported By :   3245&3445   3262 & 3464

From Software Version :   0.1   3.3

Comments :   Allows to select different fading curves (see Appendix A)
                                      The meaning of the byte to send is :

                                      BIT 0,   {
                                      BIT 1,   {
                                      BIT 2,   {
                                      BIT 3,   { Number of the table (0 to 15)

                                      BIT 4,   Reserved - Always 0
                                      BIT 5,   Reserved - Always 0
                                      BIT 6,   =0 Read / =1 Write mode
                                      BIT 7,   =0 ROM table / =1 EEPROM table

Example: **T00&[$]**   reset setting (table 0, ROM)
                                      T01&[$]   table 1 (ROM)
                                      T80&[$]   Table 0 , EEPROM
                                      TC1&[$]   Write mode , EEPROM table 1

Warning :   Bits 4 and 5 **must** be "0"
                                      After table loading, you **must** set the read mode
                                      Reset selects the table "0" (ROM)
                                      Rom tables are factory defined and cannot be changed .
                                      Eeprom tables may be either read or written ,thus allowing
                                      the user to define his own light variation law.
                                      Table 0 (ROM)   = U rms.   proportionnal to input
                                      Table 1 (ROM)   = Light proportionnal to input (physio)
                                      Table 2 (ROM)   = Reserved for future soft versions.

Warning: **For test Version01, ask Table03 for physio curve .**
                                      (this bug will be corrected in future versions)
                                      ....
                                      Table 0 (EEPROM)   = User defined
                                 Table 1 (EEPROM) = User defined

                                      (See **Yxx** for EEprom table write)

Y..

Command :	Record Fading Tables in EEPROM
Syntax :	**Yxx&** (With Acknowledge)
Supported By :	3245&3445 3262 & 3462
From Software Version :	0.1 3.3

Comments :

This function allows to load user's fading tables in EEPROM (up to 2 tables)

 - one must select the table and enter the written mode with **Txx&**

    - for each point in the table (00 to FF)

       1) select the point using **Cxx&**

       2) send the light value using **Yyy&** (yy en hexa)

       (this gives light level **yy** for the requested value **xx**)

- Exit the written mode with Txx& function

Example:

TC0&[$]	Write mode EEPROM Table 0
C00&[$]	For the requested light value 0...
Y05&[05$]	Gives light level 5
C01&[$]	For 1
Y0C&[0C$]	12
C02&[$]	2
Y1E&[1E$]	30
...	
T80&[$]	**Enter read mode** EEPROM Table 0

Warning :

See Appendix A for light control management.
(The table is not erased when the projector is switched off).

July 16th,1996   Copyright SIMDA