Deuce® MC
Intelligent Video Scaler

RS-232 REMOTE CONTROL PROTOCOL

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CONTENTS

INTRODUCTION

Thank you for purchasing Deuce® MC. This manual only includes information regarding the RS-232 Remote Control Protocol for Deuce MC. For complete operating instructions, please refer to the User's Manual that came with your unit.

Should you need to contact us for support, our office is open Monday through Friday, from 8:30 AM to 5:00 PM Eastern Time. We also offer a comprehensive web site for your added convenience.

Thank you for choosing Deuce MC. As always, we welcome your comments and suggestions.

OPERATION

COMMUNICATION PARAMETERS

- 9600 Baud
- 8 data bits, no parity, 1 stop bit
- Generic TTY
- No flow control

1 - Ground
2 - Receive Data
3 - Transmit Data

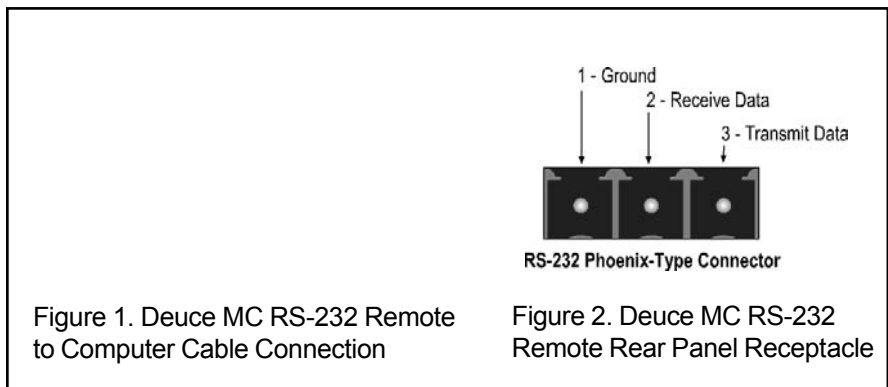RS-232 Phoenix-Type Connector

Figure 1. Deuce MC RS-232 Remote to Computer Cable Connection

Figure 2. Deuce MC RS-232 Remote Rear Panel Receptacle

COMMAND FORMATS:

All commands are case insensitive. Illegal commands, or commands with illegal parameters, have no effect. In such instances, the unit will return an error message.

Please note that a carriage return is a carriage return only and not a carriage return with a line feed.

Deuce MC RS-232 Protocol

**COMMAND SYNTAX
TO UNIT:**

The following table lists the syntax for the user remote protocol commands.

COMMAND DESCRIPTION		SYNTAX
Write Command	no parameters	xx:,↵
	with data	xx:,zz↵
Read Command	no parameters	xx:↵

Where:
↵ = carriage return, no line feed
xx = two letter command
zz = data from 1 to 3 digits in decimal

**RESPONSE SYNTAX BACK
FROM UNIT:**

The table below lists the possible responses back from the Deuce MC.

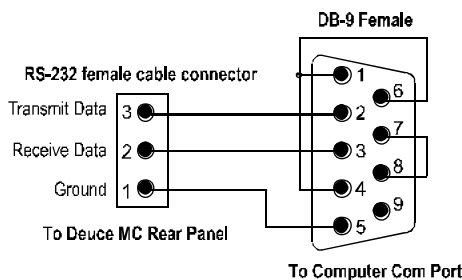| RESPONSE DESCRIPTION	SYNTAX
Welcome message	↵unit title version compile date compile time↵>
Hardware Failure	↵Hardware Failure↵>
Good command, no data back	↵>
Good command, data back	↵xx:=zz↵>
Unrecognized 2-letter command	↵E1↵>
Parameter out of range	↵E2↵>
Syntax error	↵E3↵>
Not valid with current state	↵E4↵>
Communication error during reception of command	↵E5↵>
Timing error -- previous command not yet serviced	↵E6↵>
Hardware error	↵E7↵>

Where:
↵ = carriage return, no line feed
xx = two letter command
zz = data from 1 to 3 digits in decimal

EXAMPLE COMMAND:

To unlock the front panel, send the following: lk:,0↵
The unit will send back: ↵ >

To read whether the front panel is locked, send: lk:↵
The unit will reply with: ↵lk:=0↵>

USER REMOTE COM-MANDS:

All commands that are available to the Deuce MC user are listed in the User Command Remote Table, shown below:

User Remote Command Table

Two Letter Command Name	Parameter[1]	Description	Available Commands	Default Value
sr	N/A[2]	System reset to factory defaults	write only	-
is	0	Input source Composite Video	read and write	0
	1	Input source S-Video		
	2	Input source $Y-C_B-C_R$		
of	0	Output format Line Double	read and write	4
	1	Output format Line Quadruple		
	2	Output format 852x480 (16:9)		
	3	Output format 800x600		
	4	Output format 1024x768		
mc	0	Motion comp Adaptive Frame (NTSC only)	read and write	3
	1	Motion comp Vertical Temporal		
	2	Motion comp Static Mesh		
	3	Motion comp Auto 1 (AF, VT, SM) (NTSC only)		
	4	Motion comp Auto 2 (AF, VT) (NTSC only)		
	5	Motion comp Auto 3 (SM, VT)		
lk	0	Unlock front panel	read and write	0
	1	Lock front panel		
lt	0	LED test mode off	read and write	0
	1	LED test mode on		
vn	N/A[2]	Returns unit model name with firmware version number, date and time in the following format: Deuce MC Version 1.4, Aug 23 2000, 17:27:08	read only	-
ot	0	Output type RGBHV	read only	-
	1	Output type RGBS		
	2	Output type $Y-C_B-C_R$		
in	0	Input format NTSC	read only	-
	1	Input format PAL		
	2	No input signal		

1. All numbers are in decimal.
2. N/A = not applicable

Deuce MC RS-232 Protocol