

视美乐激光工程机远程控制协议资料全集

RS232通讯设置

通讯方式	串口RS232	关于ID的说明：指令中的“ID”显投影机序号，出厂默认为“0”。 例如： 开机ASCLL码：#PWRO,1! 开机16进制码：23 50 57 52 30 2C 31 21 关机ASCLL码：#PWRO,0! 关机16进制码：23 50 57 52 30 2C 30 21 （注意：已经填写好默认ID）
波特率	19200	
校验位	NONE	
数据位	8位	
停止位	1位	
通讯线	使用2/3交叉线	

RS232通讯指令清单

R/W	Command:	字符指令	16进制指令	注释1	注释2
WRITE	Power On电源开	#PWRID,1!	23 50 57 52 ID 2c 31 21	ID Range 0~500	
WRITE	Power Off电源关	#PWRID,0!	23 50 57 52 ID 2c 30 21	ID Range 0~500	
WRITE	Resync 同步	#AIMID,1!	23 41 49 4d ID 2c 31 21	ID Range 0~500	
WRITE	Auto PowerOff Time自动关机时间	#AOTID, x!	23 41 4f 54 ID 2c x 21	ID Range 0~500	X:Range 0 To 240
WRITE	Direct Power On直接开机 开	#APOID,1!	23 41 50 4f ID 2c 31 21	ID Range 0~500	
WRITE	Direct Power Off直接开机 关	#APOID,0!	23 41 50 4f ID 2c 30 21	ID Range 0~500	
WRITE	Aspect Ratio宽高比	#ARZID,0!	23 41 52 5a ID 2c 30 21	ID Range 0~500	0=Auto
WRITE		#ARZID,1!	23 41 52 5a ID 2c 31 21	ID Range 0~500	1=4:3
WRITE		#ARZID,2!	23 41 52 5a ID 2c 32 21	ID Range 0~500	2=16:9
WRITE		#ARZID,3!	23 41 52 5a ID 2c 33 21	ID Range 0~500	3=16:10
WRITE		#ARZID,4!	23 41 52 5a ID 2c 34 21	ID Range 0~500	4=Native
WRITE		#ARZID,5!	23 41 52 5a ID 2c 35 21	ID Range 0~500	5=16:6
WRITE		#ARZID,6!	23 41 52 5a ID 2c 36 21	ID Range 0~500	6=16:6(Box)

WRITE	Auto source On自动搜索信号开	#ASCID, 1!	23 41 53 43 ID 2c 31 21	ID Range 0~500	
WRITE	Auto source Off自动搜索信号关	#ASCID, 0!	23 41 53 43 ID 2c 30 21	ID Range 0~500	
WRITE	Blank key press On空白开	#BLKID, 1!	23 42 4c 4b ID 2c 31 21	ID Range 0~500	
WRITE	Blank key press Off空白关	#BLKID, 0!	23 42 4c 4b ID 2c 30 21	ID Range 0~500	
WRITE	Green Mode On绿色模式开	#GNMID, 1!	23 47 4e 4d ID 2c 31 21	ID Range 0~500	
WRITE	Green Mode Off绿色模式关	#GNMID, 0!	23 47 4e 4d ID 2c 30 21	ID Range 0~500	
WRITE	ECO Mode On ECO模式开	#IPMID, 1!	23 49 50 4d ID 2c 31 21	ID Range 0~500	
WRITE	ECO Mode Off ECO模式关	#IPMID, 0!	23 49 50 4d ID 2c 30 21	ID Range 0~500	Normal Mode
WRITE	Key Menu菜单	#KEYID, 2!	23 4b 45 59 ID 2c 32 21	ID Range 0~500	
WRITE	Key Brightness+亮度+	#KEYID, 3!	23 4b 45 59 ID 2c 33 21	ID Range 0~500	
WRITE	Key Brightness-亮度-	#KEYID, 7!	23 4b 45 59 ID 2c 37 21	ID Range 0~500	
WRITE	Key Freeze冻结	#KEYID, 14!	23 4b 45 59 ID 2c 31 34 21	ID Range 0~500	
WRITE	Key Keystone+梯形矫正	#KEYID, 32!	23 4b 45 59 ID 2c 33 32 21	ID Range 0~500	
WRITE	Key Keystone-梯形矫正	#KEYID, 33!	23 4b 45 59 ID 2c 33 33 21	ID Range 0~500	
WRITE	Key Zoom+放大	#KEYID, 38!	23 4b 45 59 ID 2c 33 38 21	ID Range 0~500	
WRITE	Key Zoom-缩小	#KEYID, 39!	23 4b 45 59 ID 2c 33 39 21	ID Range 0~500	
WRITE	Key Zoom Menu放大缩小菜单	#KEYID, 40!	23 4b 45 59 ID 2c 34 30 21	ID Range 0~500	
WRITE	Key Mute静音	#KEYID, 41!	23 4b 45 59 ID 2c 34 31 21	ID Range 0~500	
WRITE	Key AV Mute AV静音	#KEYID, 42!	23 4b 45 59 ID 2c 34 32 21	ID Range 0~500	
WRITE	Key Preset 画面模式	#KEYID, 44!	23 4b 45 59 ID 2c 34 34 21	ID Range 0~500	
WRITE	Key Blank 空白	#KEYID, 49!	23 4b 45 59 ID 2c 34 39 21	ID Range 0~500	
WRITE	Key Enter 确定	#KEYID, 50!	23 4b 45 59 ID 2c 35 30 21	ID Range 0~500	
WRITE	Key Auto 自动	#KEYID, 51!	23 4b 45 59 ID 2c 35 31 21	ID Range 0~500	
WRITE	Key Aspect Ratio 画面比例	#KEYID, 52!	23 4b 45 59 ID 2c 35 32 21	ID Range 0~500	

WRITE	Key Contrast+ 对比度+	#KEYID, 54!	23 4b 45 59 ID 2c 35 34 21	ID Range 0~500	
WRITE	Key Contrast-	#KEYID, 55!	23 4b 45 59 ID 2c 35 35 21	ID Range 0~500	
WRITE	Key Native 固有	#KEYID, 59!	23 4b 45 59 ID 2c 35 39 21	ID Range 0~500	
WRITE	Key 16:9	#KEYID, 60!	23 4b 45 59 ID 2c 36 30 21	ID Range 0~500	
WRITE	Key 4:3	#KEYID, 61!	23 4b 45 59 ID 2c 36 31 21	ID Range 0~500	
WRITE	Key Blank Off 空白关	#KEYID, 67!	23 4b 45 59 ID 2c 36 37 21	ID Range 0~500	
WRITE	Key BLank On 空白开	#KEYID, 68!	23 4b 45 59 ID 2c 36 38 21	ID Range 0~500	
WRITE	Key Auto aspect ratio自动	#KEYID, 69!	23 4b 45 59 ID 2c 36 39 21	ID Range 0~500	
WRITE	Language 语言	#LANID, 0!	20 23 4c 41 ID 2c 4e 30 21	ID Range 0~500	0=English
WRITE		#LANID, 1!	20 23 4c 41 ID 2c 4e 31 21	ID Range 0~500	1=SChinese
WRITE		#LANID, 2!	20 23 4c 41 ID 2c 4e 32 21	ID Range 0~500	2=Tchinese
WRITE	Menu Location 菜单位置	#OFFID, 0!	23 4f 46 46 ID 2c 30 21	ID Range 0~500	0=TopLeft
WRITE		#OFFID, 1!	23 4f 46 46 ID 2c 31 21	ID Range 0~500	1=TopRight
WRITE		#OFFID, 2!	23 4f 46 46 ID 2c 32 21	ID Range 0~500	2=Center
WRITE		#OFFID, 3!	23 4f 46 46 ID 2c 33 21	ID Range 0~500	3=BottomLeft
WRITE		#OFFID, 4!	23 4f 46 46 ID 2c 34 21	ID Range 0~500	4=BottomRight
WRITE	Projection Mode 投影位置	#PRJID, 0!	23 50 52 4a ID 2c 30 21	ID Range 0~500	0=rear ceiling,
WRITE		#PRJID, 1!	23 50 52 4a ID 2c 31 21	ID Range 0~500	1=rear table,
WRITE		#PRJID, 2!	23 50 52 4a ID 2c 32 21	ID Range 0~500	2=front ceiling,
WRITE		#PRJID, 3!	23 50 52 4a ID 2c 33 21	ID Range 0~500	3=front table
WRITE	Presets 画面模式	#PSTID, 0!	23 50 53 54 ID 2c 30 21	ID Range 0~500	0=Brightness
WRITE		#PSTID, 1!	23 50 53 54 ID 2c 31 21	ID Range 0~500	1=PC
WRITE		#PSTID, 2!	23 50 53 54 ID 2c 32 21	ID Range 0~500	2=Movie
		#PSTID, 3!		ID Range 0~500	3=TEXT

WRITE		#PSTID, 4!	23 50 53 54 ID 2c 33 21	ID Range 0~500	4=User
WRITE	Factory Reset 复位	#RSTID, 1!	23 52 53 54 ID 2c 31 21	ID Range 0~500	
WRITE	Source信号	#SRCID, 0!	23 53 52 43 ID 2c 30 21	ID Range 0~500	0=VGA1
WRITE		#SRCID, 1!	23 53 52 43 ID 2c 31 21	ID Range 0~500	1=VGA2
WRITE		#SRCID, 2!	23 53 52 43 ID 2c 32 21	ID Range 0~500	2=Video
WRITE		#SRCID, 3!	23 53 52 43 ID 2c 33 21	ID Range 0~500	3=S-Video
WRITE		#SRCID, 4!	23 53 52 43 ID 2c 34 21	ID Range 0~500	4=Component
WRITE		#SRCID, 5!	23 53 52 43 ID 2c 35 21	ID Range 0~500	5=HDMI1
WRITE		#SRCID, 6!	23 53 52 43 ID 2c 36 21	ID Range 0~500	6=HDMI2
WRITE		#SRCID, 7!	23 53 52 43 ID 2c 37 21	ID Range 0~500	7=HDMI3
WRITE		#SRCID, 8!	23 53 52 43 ID 2c 38 21	ID Range 0~500	8=HDMI4
WRITE		#SRCID, 9!	23 53 52 43 ID 2c 39 21	ID Range 0~500	9=SmartTV
WRITE		#SRCID, 10!	23 53 52 43 ID 2c 31 30 21	ID Range 0~500	10=HDBST
WRITE		#SRCID, 11!	23 53 52 43 ID 2c 31 31 21	ID Range 0~500	11=BNC
WRITE		#SRCID, 12!	23 53 52 43 ID 2c 31 32 21	ID Range 0~500	12=DVI_1
WRITE		#SRCID, 13!	23 53 52 43 ID 2c 31 33 21	ID Range 0~500	13=DVI_2
READ		#SRCID, ?!	23 53 52 43 ID 2c 3f 21	ID Range 0~500	
WRITE	3D	#TDIID, 0!	23 54 44 49 ID 2c 30 21	ID Range 0~500	0=Auto
WRITE		#TDIID, 1!	23 54 44 49 ID 2c 31 21	ID Range 0~500	1=TopBottom
WRITE		#TDIID, 2!	23 54 44 49 ID 2c 32 21	ID Range 0~500	2=FrameSequential
WRITE		#TDIID, 3!	23 54 44 49 ID 2c 33 21	ID Range 0~500	3=FramePacking
WRITE		#TDIID, 4!	23 54 44 49 ID 2c 34 21	ID Range 0~500	4=SidebySide
WRITE		#TDIID, 5!	23 54 44 49 ID 2c 35 21	ID Range 0~500	5=off

READ	IP Address IP地址	#IPAID,?!	23 49 50 41 ID 2c 3f 21	ID Range 0~500	IP : nnn-xxx-xxx-xxx SubMask : nnn-xxx-xxx-xxx Getway : nnn-xxx-xxx-xxx DNS : nnn-xxx-xxx-xxx
WRITE	Project ID	#PRIID, x!	23 50 52 49 ID 2c x 21	ID Range 0~500	X:Range 0 To 500
WRITE		#PRIID, +!	23 50 52 49 ID 2c 2b 21	ID Range 0~500	
WRITE		#PRIID, -!	23 50 52 49 ID 2c 2d 21	ID Range 0~500	
WRITE	3D Sync invert 3D同步反转	#3SIID, 1!	23 33 53 49 ID 2c 31 21	ID Range 0~500	3D Sync invert ON
WRITE		#3SIID, 0!	23 33 53 49 ID 2c 30 21	ID Range 0~500	3D Sync invert OFF
READ		#3SIID, ?!	23 33 53 49 ID 2c 3f 21	ID Range 0~500	
WRITE	Search Screen color 搜索画面颜色	#SSCID, 0!	23 53 53 43 ID 2c 30 21	ID Range 0~500	0=Factory
WRITE		#SSCID, 1!	23 53 53 43 ID 2c 31 21	ID Range 0~500	1=Black
WRITE		#SSCID, 2!	23 53 53 43 ID 2c 32 21	ID Range 0~500	2=Red
WRITE		#SSCID, 3!	23 53 53 43 ID 2c 33 21	ID Range 0~500	3=Green
WRITE		#SSCID, 4!	23 53 53 43 ID 2c 34 21	ID Range 0~500	4=Blue
WRITE		#SSCID, 5!	23 53 53 43 ID 2c 35 21	ID Range 0~500	5=Cyan
WRITE		#SSCID, 6!	23 53 53 43 ID 2c 36 21	ID Range 0~500	6=Yellow
WRITE		#SSCID, 7!	23 53 53 43 ID 2c 37 21	ID Range 0~500	7=Magenta
WRITE		#SSCID, 8!	23 53 53 43 ID 2c 38 21	ID Range 0~500	8=White
WRITE	Start Screen color 开机画面	#STCID, 0!	23 53 54 43 ID 2c 30 21	ID Range 0~500	0=Factory
WRITE		#STCID, 1!	23 53 54 43 ID 2c 31 21	ID Range 0~500	1=Black
WRITE		#STCID, 2!	23 53 54 43 ID 2c 32 21	ID Range 0~500	2=Red
WRITE		#STCID, 3!	23 53 54 43 ID 2c 33 21	ID Range 0~500	3=Green
WRITE		#STCID, 4!	23 53 54 43 ID 2c 34 21	ID Range 0~500	4=Blue
WRITE		#STCID, 5!	23 53 54 43 ID 2c 35 21	ID Range 0~500	5=Cyan
WRITE		#STCID, 6!	23 53 54 43 ID 2c 36 21	ID Range 0~500	6=Yellow

WRITE		#STCID, 7!	23 53 54 43 ID 2c 37 21	ID Range 0~500	7=Magenta
WRITE		#STCID, 8!	23 53 54 43 ID 2c 38 21	ID Range 0~500	8=White
WRITE	Filter Mode 滤网模式	#FLMID, 1!	23 46 4c 4d ID 2c 31 21	ID Range 0~500	Filter Mode ON
WRITE		#FLMID, 0!	23 46 4c 4d ID 2c 30 21	ID Range 0~500	Filter Mode OFF
READ		#FLMID, ?!	23 46 4c 4d ID 2c 3f 21	ID Range 0~500	
WRITE	High Altitude 高海拔模式	#HATID, 1!	23 48 41 54 ID 2c 31 21	ID Range 0~500	High Altitude ON
WRITE		#HATID, 0!	23 48 41 54 ID 2c 30 21	ID Range 0~500	High Altitude OFF
READ		#HATID, ?!	23 48 41 54 ID 2c 3f 21	ID Range 0~500	
READ	Information信息	#INFID, ?!	23 49 4e 46 ID 2c 3f 21	ID Range 0~500	
WRITE	Focus 聚焦	#FCSID, +!	23 46 43 53 ID 2c 2b 21	ID Range 0~500	
WRITE		#FCSID, -!	23 46 43 53 ID 2c 2d 21	ID Range 0~500	
WRITE	Focus Zoom (镜头变焦)	#FZMID, +!	23 46 5a 4d ID 2c 2b 21	ID Range 0~500	
WRITE		#FZMID, -!	23 46 5a 4d ID 2c 2d 21	ID Range 0~500	
WRITE	Focus Shift START(Horizontal)持续位移	#FSSID, 0, +!	23 46 53 53 ID 2c 30 2c 2b 21	ID Range 0~500	
WRITE		#FSSID, 0, -!	23 46 53 53 ID 2c 30 2c 2d 21	ID Range 0~500	
WRITE	Focus Shift START(Vertical)持续位移	#FSSID, 1, +!	23 46 53 53 ID 2c 31 2c 2b 21	ID Range 0~500	
WRITE		#FSSID, 1, -!	23 46 53 53 ID 2c 31 2c 2d 21	ID Range 0~500	
WRITE	Focus Shift STOP位移停止	#FSPID, 1!	23 46 53 50 ID 2c 31 21	ID Range 0~500	
WRITE	Focus Shift Step(Horizontal)单次位移	#FSTID, 0, +!	23 46 53 54 ID 2c 30 2c 2b 21	ID Range 0~500	
WRITE		#FSTID, 0, -!	23 46 53 54 ID 2c 30 2c 2d 21	ID Range 0~500	
WRITE	Focus Shift Step(Vertical)单次位移	#FSTID, 1, +!	23 46 53 54 ID 2c 31 2c 2b 21	ID Range 0~500	
WRITE		#FSTID, 1, -!	23 46 53 54 ID 2c 31 2c 2d 21	ID Range 0~500	

Hex	缩写/字符	解释
0	NUL(null)	空字符
1	SOH(start of heading)	标题开始
2	STX (start of text)	正文开始
3	ETX (end of text)	正文结束
4	EOT (end of transmission)	传输结束
5	ENQ (enquiry)	请求
6	ACK (acknowledge)	收到通知
7	BEL (bell)	响铃
8	BS (backspace)	退格
9	HT (horizontal tab)	水平制表符
0A	LF (NL line feed, new line)	换行键
0B	VT (vertical tab)	垂直制表符
0C	FF (NP form feed, new page)	换页键
0D	CR (carriage return)	回车键
0E	SO (shift out)	不用切换
0F	SI (shift in)	启用切换
10	DLE (data link escape)	数据链路转义
11	DC1 (device control 1)	设备控制1
12	DC2 (device control 2)	设备控制2
13	DC3 (device control 3)	设备控制3
14	DC4 (device control 4)	设备控制4
15	NAK (negative acknowledge)	拒绝接收

16	SYN (synchronous idle)	同步空闲
17	ETB (end of trans. block)	传输块结束
18	CAN (cancel)	取消
19	EM (end of medium)	介质中断
1A	SUB (substitute)	替补
1B	ESC (escape)	溢出
1C	FS (file separator)	文件分割符
1D	GS (group separator)	分组符
1E	RS (record separator)	记录分离符
1F	US (unit separator)	单元分隔符
20	(space)	空格
21	!	
22	"	
23	#	
24	\$	
25	%	
26	&	
27	'	
28	(
29)	
2A	*	
2B	+	
2C	,	

2D	-
2E	.
2F	/
30	0
31	1
32	2
33	3
34	4
35	5
36	6
37	7
38	8
39	9
3A	:
3B	;
3C	<
3D	=
3E	>
3F	?
40	@
41	A
42	B
43	C

44	D
45	E
46	F
47	G
48	H
49	I
4A	J
4B	K
4C	L
4D	M
4E	N
4F	O
50	P
51	Q
52	R
53	S
54	T
55	U
56	V
57	W
58	X
59	Y
5A	Z

5B	[
5C	\
5D]
5E	^
5F	~
60	·
61	a
62	b
63	c
64	d
65	e
66	f
67	g
68	h
69	i
6A	j
6B	k
6C	l
6D	m
6E	n
6F	o
70	p
71	q

72	r	
73	s	
74	t	
75	u	
76	v	
77	w	
78	x	
79	y	
7A	z	
7B	{	
7C		
7D	}	
7E	~	
7F	DEL (delete)	删除