C C C C C C C C C C C C C C C C C C C	IO OP  (GA ANS) TERM OUT SINGLE CHAR  (GA ANS) TERM OUT NULL TERMINATED STRING  (EYBOARD IN SINGLE BYTE  hars in keyboard Buffer  tet display cursor  tet Baud Rate  et Serial Mode erial TX. Single char  erial TX. Null Terminated String  terial RY.  Larrial Farminated String  lay Sound  et Volume  et Volume  et Volume	0 1 BYTE 2 BYTE 3 INBYTE 4 INBYTE 5 BYTE 6 BYTE 7 BYTE 8 BYTE 9 BYTE 10 INBYTE 11 INBYTE 12 BYTE 13 ATTACK	(0=off, 1=o BYTE (8n1=0,8e	BYTE	,7n1=3,7e1=							NULL		NONE		SEND BYTE Bytes	are Little E	RCV BYTE						
SERIAL See SERIAL See See See See See See See See See See	(GA ANS) TERM OUT NULL TERMINATED STRING LEYBOARD IN SINGLE BYTE hars in Keyboard Buffer et display cursor et Baud Rate et Baud Rate et Serial Mode errial TX Single char errial TX Null Terminated String errial RX hars in Serial Buffer lay Null Terminated String	2 BYTE 3 INBYTE 4 INBYTE 5 BYTE 6 BYTE 7 BYTE 8 BYTE 9 BYTE 10 INBYTE 11 INBYTE 12 BYTE	(0=off, 1=i BYTE (8n1=0,8e	on) BYTE 1=1,8o1=2,	,7n1=3,7e1=	=4,701=5)						NULL				Bytes	are Little E	ndian						
SERIAL SERIAL Second Se	EYBOARD IN SINGLE BYTE hars in Keyboard Buffer et display cursor et Baud Rate et-serial Mode erial TX Single char erial TX Null Terminated String erial By hars in Serial Buffer elay Null Terminated String erial RX sortial By hars in Serial Buffer elay Null Terminated String elay Sound	3 INBYTE 4 INBYTE 5 BYTE 6 BYTE 7 BYTE 8 BYTE 9 BYTE 10 INBYTE 11 INBYTE 12 BYTE	(0=off, 1=i BYTE (8n1=0,8e	on) BYTE 1=1,8o1=2,	,7n1=3,7e1=	=4,701=5)						NULL												
SERIAL Se Se S	hars in Keyboard Buffer et display cursor et Baud Rate et Serial Mode errail TX Single char errail TX Null Terminated String errail RX chars in Serial Buffer lay Null Terminated String lay Sound	4 INBYTE 5 BYTE 6 BYTE 7 BYTE 8 BYTE 9 BYTE 10 INBYTE 11 INBYTE 12 BYTE	BYTE (8n1=0,8e	BYTE 1=1,801=2,			DITTE																	
SERIAL Se Se S	et display cursor et Baud Rate et Serial Mode erial TX Single char erial TX Null Terminated String erial RX chars in Serial Buffer Play Null Terminated String erial RX lays Null Terminated String erial RX	5 BYTE 6 BYTE 7 BYTE 8 BYTE 9 BYTE 10 INBYTE 11 INBYTE 12 BYTE	BYTE (8n1=0,8e	BYTE 1=1,801=2,			DITTE																	
SERIAL Se Serial Se Serial Se Serial	iet Baud Rate iet Sarial Mode erial TX. Single char erial TX. Null Terminated String erial TX. chars in Serial Buffer lay Null Terminated String lay Sulf Terminated String	6 BYTE 7 BYTE 8 BYTE 9 BYTE 10 INBYTE 11 INBYTE 12 BYTE	BYTE (8n1=0,8e	BYTE 1=1,801=2,			DVTE																	
SERIAL Se Se	iet Serial Mode erial TX Single char erial TX Null Terminated String ierial RX Chars in Serial Buffer Jay Null Terminated String Jay Sound	7 BYTE 8 BYTE 9 BYTE 10 INBYTE 11 INBYTE 12 BYTE	(8n1=0,8e	1=1,801=2,			DUTE																	
Se RIAL	ierial TX Single char erial TX Null Terminated String erial RX chars in Serial Buffer elay Null Terminated String lay Sound	8 BYTE 9 BYTE 10 INBYTE 11 INBYTE 12 BYTE	BYTE				DVTE			8n1=0,8e1=1,801=2,7n1=3,7e1=4,701=5)														
Se Se Ch	ierial TX Null Terminated String erial RX Fhars in Serial Buffer Play Null Terminated String Play Sound	9 BYTE 10 INBYTE 11 INBYTE 12 BYTE		BYTE	BYTE	BYTE	DVTE																	
Se Ch	erial RX Chars in Serial Buffer Play Null Terminated String Play Sound	10 INBYTE 11 INBYTE 12 BYTE		BYTE	BYTE	BYTE	DVCC																	
Ch O Pla	Chars in Serial Buffer Play Null Terminated String Play Sound	11 INBYTE 12 BYTE	BYTE				BTIE					NULL												
o Pla	Play Null Terminated String Play Sound	12 BYTE	BYTE																					
o Pla	Play Sound		BYTE																					
		13 attack		BYTE	BYTE	BYTE	BYTE					NULL												
AUDIC PIG	et Volume		attack	attack	attack	decay	decay	decay	decay	Sustain	Sustain	Release	Release	Release	Release	WaveType	Volume	Volume	Duration Durati	ion FreqStart	FreqStart FreqE	nd FreqEnd	d ModFreqMode	i e
₹ <sub>Se</sub>		14 Volume																						
Se	et resolution	15 BYTE	(see video	(see video resolutions tab)																				
Lo	oad Font	16 BYTE	(See Fonts	s tab)																				
	Clear	17																						
	opyRect	18 source x	source x	source y	source y	dest x	dest x	dest y	dest y	width	width	height	height											
≌ dr	frawBitmap	19 x	х	У	у	byte	byte	byte			byte	null												
	frawChar	20 x	х	У	У	char																		
	frawEllipse	21 x	х	У	У	width	width	height	height															
	IrawGlyph	22 x	х	У	У	width	width	height	height	byte	byte	byte			byte	null	index	index						
	frawLine	23 x	х	У	У	end x	end x	end y	end y															
	frawRectangle	24 x	х	У	У	end x	end x	end y	end y															
	illEllipse	25 x	х	У	У	width	width	height	height															
	illRectangle	26 x	х	У	У	end x	end x	end y	end y															
	etPixel	27 x	х	У	У	В	G	R																
	nvertRectangle	28 x	х	У	У	end x	end x	end y	end y															
	ineTo	29 x	х	У	У																			
	noveTo	30 x	х	У	У																			
	croll	31 x	х	У	У																			
	etBrushColor	32 Color																						
	etLineEnds	33 LineEnds																						
	etPenColor	34 Color																						
	etPenWidth	35 Width																						
	etPixel	36 x	х	У	У																			
DI	DISCOVER	255 "E"	"S"	"P"	"3"	"2"																		

Family	Description	Opcode									Paramet	ters		
	NO OP	0									NONE	SEND B	YTE	RCV BYTE
WiFi	WiFi Modem TX Single char	1 BYTE												
	WiFi Modem TX Null Terminated String	2 BYTE	BYTE	BYTE	BYTE	BYTE	BYTE	 	 	NULL				
	WiFi Modem RX	3 INBYTE												
	Serial TX Single char	4 BYTE												
T I	Serial TX Null Terminated String	5 BYTE	BYTE	BYTE	BYTE	BYTE	BYTE	 	 	NULL				
SE SP	Serial RX	6 INBYTE												
£	Serial TX Single char	4 BYTE												
8	Serial TX Null Terminated String	5 BYTE	BYTE	BYTE	BYTE	BYTE	BYTE	 	 	NULL				
<u>F</u>	Serial RX	6 INBYTE												
	DISCOVER	255 "E"	"S"	"P"	"3"	"2"								