



How to use Jlink Tools to upgrade smart product

Scope: Swave / CTP / 1D1R-TS / 1R-TS / 2R-TS / 3R-TS / NDP

Installment instruction of J-link software:

1. The instruction of Setup_JLinkARM_V408l.zip locates at doc of installment. Default installation path:

$C:\Program Files\SEGGER\JLinkARM_V408l\Doc\UM08001_JLinkARM.pdf$

2. The version of Setup_JLinkARM_V408l.zip is recommended to install if your system is XP. If your computer's system is win 7, Setup_JLinkARM_V410 i.zip or above version will be better.

The path of the drive program as below:

址 @ () G: \ ЛІЛИКЭВЕД)					× [
		名称	大小	类型	修改日期	位置
CD 写入任务	٢	当前在 CD 上的文件				
🕝 将这些文件写入 CD		🔋 jlink驱动使用文档位置.txt	1 KB	文本文档	2013-4-3 10:26	当前在 CD 上的文件
		TLINK驱动使用注意.zip	2 KB	WinRAR ZIP 压缩	2013-4-3 10:26	当前在 CD 上的文件
计外和计计支任务		Esetup_JLinkARM_V4081. zip	7,624 KB	WinRAR ZIP 压缩	2013-4-3 10:25	当前在 CD 上的文件
XH4XH X T%	~	Esetup_JLinkARM_V410i.zip	8,142 KB	WinRAR ZIP 压缩	2013-4-3 10:25	当前在 CD 上的文件
👏 创建一个新文件夹		Esetup_JLinkARM_V412. zip	8,209 KB	WinRAR ZIP 压缩	2012-9-4 16:23	当前在 CD 上的文件
🔊 将这个文件夹发布到		Estup_JLinkARM_V426a.zip	19,607 KB	WinRAR ZIP 压缩	2013-4-3 10:25	当前在 CD 上的文件
Yeb		Estup_JLinkARM_V440. zip	10,660 KB	WinRAR ZIP 压缩	2012-3-19 22:15	当前在 CD 上的文件
😡 共享此文件夹		Esetup_JLinkARM_V446. zip	11,101 KB	WinRAR ZIP 压缩	2013-4-3 10:25	当前在 CD 上的文件
	-	Estup_JLinkARM_V4501. zip	10,816 KB	WinRAR ZIP 压缩	2013-4-3 10:25	当前在 CD 上的文件
其它位要		Esetup_JLinkARM_V452b. zip	11,677 KB	WinRAR ZIP 压缩	2013-4-3 10:25	当前在 CD 上的文件
ACKE	~	Esetup_JLinkARM_V456. zip	12,822 KB	WinRAR ZIP 压缩	2013-4-3 10:25	当前在 CD 上的文件
💽 JLINK V8光盘 (G:)		Estup_JLinkARM_V458. zip	13,110 KB	WinRAR ZIP 压缩	2013-4-3 10:25	当前在 CD 上的文件
🔒 我的文档		Estup_JLinkARM_V460a.zip	13,195 KB	WinRAR ZIP 压缩	2013-4-3 10:25	当前在 CD 上的文件
→ 共享文档		🛃 V4.50以上安装问题for keil.pdf	55 KB	Adobe Acrobat 7	2013-4-3 10:26	当前在 CD 上的文件
₩ 网上邻居		ANY AND A				
3.12.112						
详细信息	*					

The step to update the program of S-wave/CTP/1D1R, take V4.32a version for example:

- 1. Install your Jlink ARM software in your computer by following the installation steps windows.
- 2. Run your Jlink ARM software







- 3. Jlink ARM software basic setting
- Click on the **Options** button
- Click on the Project setting Button



Project settings		2 🔀
General Target Interface CPU	Flash Production	
Filme and the second seco	J-Flash-ARM is a software for J-Link ARM. It requires a license, which can be obtained from SEGGER (www.segger.com). This software is capable of programming the flash memory of several ARM micros, as well as external Flash connected to ARM cores.	
User interface <u>mode</u> © <u>E</u> ngineering (More options, typic © <u>S</u> implified (Less options, typically	ally used for setup) v used for production)	
	确定	取消应用 (A)





- Click on the Target Interface button
- Setting the JTAG and SWD as below and save it

Project settings	? 🔀
General Target Interface CPU Flash Production	
JTAG speed before init	
Auto selection Auto selection	
C Adaptive clocking Adaptive clocking	
JTAG scan chain information	
<u>Auto detection</u>	
C Simple configuration Position 0 ▼ IRPre 0	
to TDD. IRLen of ARM7/ARM9	
Detailed configuration H Devicename ID IBLen	
TDO	
TDI	
Add Insert Delete Edit Up Down	
	─────────────────────────────
加定	VFI(A)

Project settings	? 🗙
General Target Interface CPU Flash Production	
SWD	
SWD speed before init Auto selection SWD speed after init Auto selection Auto selection A	





- Click on the CPU button
- Choosing the corresponding Device and setting other as below and save it

Project settings ?	×
General Target Interface CPU Flash Production	
Use J-Link script file	
Image: Check core ID Image: Check core ID <td></td>	
Use following init sequence:	
# Action Value0 Value1 Comment	
Add Insert Delete Edit Up Down	
确定 取消 应用 (<u>A</u>)	

Device choosing as below:

S-wave/1D1R-TS/ 1R-TS/2R-TS/3R-TS: NXP LPC1756

CTP: ST STM32F103VE

NDP: ST STM32F103ZC

Attention for the connecting direction. The connection of the date cable should match the silk-screen direction. Just as below!







- 4. Open the corresponding program and burn
- Click on the File button
- Click on Open data file
- choosing the corresponding program and open it

Open data fi	le	Ctr1+0	-19-1	(and			2014	-11	-24	-91	2 1									(B) (E)	
Herge data f	ile			ave		-			-	-										کا لگا	
Seve data fi	Le	Ctr1+S	iss: Ox0			x]	×2	전													
Save data fi	le <u>s</u> s		lress	0	1	2	3	4	5	6	7	8	9	A	В	С	D	E	F	ASCII	
New project			808	98	20	00	10	81	03	00	88	85	03	00	88	87	03	88	88		
Opgn project			818	89	83	00	00	ØB	03	88	00	ØD	03	60	88	88	00	88	88		
Sage project			828	00	00	00	60	00	00	00	00	00	00	00	00	71	81	88	00	q	
Save project	45		030	11	03	00	00	00	00	00	00	3D	02	00	00	65	11	00	88	e	
Close projec	t		848	17	83	00	00	17	03	00	88	17	03	00	88	17	83	88	80		
· · · · · · · · · · · · · · · · · · ·			858	17	03	88	66	61	21	00	66	17	03	60	88	17	83	88	88	at	
Save program	ser config file		060	17	03	00	88	17	03	00	00	17	03	00	00	17	83	00	00		
Dave program	ser data lile		878	17	03	00	00	17	03	00	00	17	03	00	00	17	03	80	80		
powniesd to	br offi mmer		888	17	03	66	66	17	03	60	66	BD	22	68	88	17	03	69	88	"	
Export setup	file		898	17	03	66	66	83	2E	66	66	17	03	60	66	17	03	66	80		
Recent Files			DAO	17	03	00	60	17	03	60	00	17	03	60	66	17	03	00	00		
Recent Prois	-1	1	BBØ	17	03	60	66	17	03	00	88	17	03	68	88	17	83	88	88		
	N.C.	10000000	909	17	03	66	66	17	03	60	66	17	03	60	88	66	FØ	02	F8		
Egit		Alt+F4	800	00	FØ	3E	F8	ØA	AØ	90	E8	00	ØC	82	44	83	44	AA	F1	>D.D	
Theck flash Id	No		00E0	01	07	DA	45	01	D1	60	FØ	33	F8	AF	F2	89	ØE	BA	E8	E3	
Base address	0x0		00F0	ØF	00	13	FØ	01	ØF	18	BF	FB	18	43	FØ	01	03	18	47	G	
Irganization	32 bits x 1 chip		0100	88	43	60	60	DS	43	60	00	10	38	24	BF	78	C8	78	C1	.CC:\$.x.x.	
			0110	FA	DS	52	87	24	BF	30	C8	30	C1	44	BF	04	68	ØC	60	R.\$.0.0.Dh.	1
			0120	70	47	88	66	66	23	66	24	88	25	66	26	10	38	28	BF	pG#.\$.X.&.:(.	-
LOG																					X
plication los	started																			Freed Press	-

Open data fi	le					? 🔀
查找范围(<u>I</u>):	C S-Wave			• +	🗈 💣 🎟 •	
 我最近的文档 夏面 我的文档 我的文档 我的电脑 网上邻居 	[]] old ■] swave-2014-1 ■] SWAVE更新历5	1-24-V1.2.he 已记录.xls	x			
	文件名 00:	*.*			-	打开 (0)
	文件类型 (I):	Data files	(*.mot, *.sr)	≥c, *.s19	, *.s▼	





Burning:

- Click on the **F7** button
- Or click **Target** button and then click Auto **button**

			100-1	Pro	gra	i Fi	Les\	SEGG.	EK \ J I	.ınk	ARL_	¥43	2a\D	efa	nult	.jť	Lash	. *]						
REAL PARA NE	Flash ARL V4.3	j2a -		1-																				-
<u>r</u> ile <u>r</u> dit <u>v</u> ie	ew <u>l</u> arget <u>Options</u>	<u>f</u> ind	ow <u>H</u> ei	тр	_																			
_{HASH} Project ·	- De		ASH X∶\	\S-V	ave	sva	ve-2	014-	11-24	4-V1	. 2. k	lex												
Connection	USB [Device 0]	A	A <u>d</u> dress:	: 0x0)		x1	<u>x2</u> x	4															
Target interface	JTAG		Addr	ess	0	1	2	3	4 5	6	7	8	9	A	B	С	D	E	F	ASC	II			
Init ITAC anonal	Auto recomition		000	30	98	2C	00	10 0	01 03	00	00	05	03 (00	00	07	03	00	00					
JTAG speed	Auto recognition		001	10	09	03	00	00 e	IB Ø3	00	00	ØD	03 (00	00	00	00	00	00					
TAP number	<not used=""></not>		002	20	00	00	00	00 C	00 00	00 (00	00	00 (00	00	71	01	00	00	• • •			· q · · ·	
IRPre	<not used=""></not>		003	30	11	03	00	00 0	0 00	00	00	3D	02 (00	00	65	11	00	00	• • •			.e	
MCU	NXP LPC1756		004	10 - 0	17	03	90	00 1 00 (.7 103	8 00	90	17	03 0	90	00	17	Ø3	99	90					
Clock speed	Auto recognition		005	50 50	17	ยง ดว	00 00	00 6 00 1	1 21 7 00	. 00	99	17	03 0	99	99	17	ยง ดว	99 99	99		.ar.			
Check core Id	Yes		007	70 70	17	03 03	ØØ	00 1 00 1	7 03	, 00 1 00	ØØ	17	03 1	00 00	ØЙ	17	03 03	00 00	00 00					
Core Id	0x4BA00477		001	30	17	Ю З	ЙЙ	00 1 00 1	7 03	, 00 1 00	ØЙ	BD	22	пп	ØЙ	17	Ø З	00 00	00 00					
RAM address	res 0x10000000		009	70	17	03	00	00 8	3 2E	E 00	00	17	03 (00	00	17	03	00	00					
RAM size	16 KB		00A	10	17	03	00	00 1	7 03	00	00	17	03 (00	00	17	03	00	00					
Elash memoru	L PC1756 internal		00E	BØ	17	03	00	00 1	7 03	8 00	00	17	03 (00	00	17	03	00	00					
Manufacturer	NXP		000	CØ	17	03	00	00 1	7 03	00	00	17	03 (00	00	00	FØ	02	F8					
Size	256 KB		00I	DØ	00	FØ	3E	F8 Ø	IA AØ	90	E8	00	0C (82	44	83	44	AA	F1	>		· · · · l).D	
riasn id Check flash id	No		00E	EØ	01	07	DA	45 Ø	1 D1	. 00	FØ	33	F8 (AF	F2	09	ØE	BA	E8		Е	.3		
Base address	0x0		00F	FØ	ØF	00	13	FØ 0	1 ØF	7 18	BF	FB	14	43	FØ	Ø1	03	18	47	• • • •		c	G	
Organization	32 bits x 1 chip	—I-	010	40	88	43 D0	60	00 I	98 43	1 20	00	10	38 3	24	BF	78	C8	78	C1	.c.	C.	:\$.×.×.	
			011	10	FH	108 101	52	072 0050	4 BF	50	04	30	01 4	44 00	BF	10	58	90	ьØ пр		.>.0	.0.D	h.	-
			012	.0	170	-17	00	00 0	0 23	00	27	00	23	00	20	10	л	20	DI	pa.		7	*	
HASH LOG																								
- JLinkARM. dll Reading flash d	l V4.32a (DLL compi Hevice list [C:\Pro	led Aug gram Fi	g 10 20 iles\SB	011 1 EGGEF	l1:15 R\JLiı	:18) nkARM	V432a	AVETC	JFlash	h\Fla:	sh. es	v]												^
- List of flas	sh devices read suc	cessful	lly (89	94 De	evice	s)	-	and the		101	,	-												
Keading MCU dev - List of MCU	/ice list [C:\Progr devices read succe	am File ssfully	es\SEG0 v (962	GER\J Devi	JLinku ices)	ARM_V	432a\J	STCAJE	lash\	MCU. es	sv]	•												
Opening project	t file [C:\Program	Files\S	SEGGER	\JLir	nkARM	10400	. S. D C.		flash	1														
 Project oper 	hed successfully					_9432	avmers	aur (.)		1														
Opening data fi	le [Y:\S-Wave\swav	e-2014-	-11-24-	-V1.2	2. hex.	_v432]	avner:	aur (.)		J														
Opening data fi - Data file op Opening data fi	le [Y:\S-Wave\swav ened successfully	e=2014- (17788	-11-24- bytes,	-V1.2	2. hex. range,	_9432] CRC	a (Der)	00B63A	B 3)	1														
Opening data fi - Data file op Opening data fi - Data file op	lle [Y:\S-Wave\swav pened successfully lle [Y:\S-Wave\swav pened successfully	e-2014- (17788 e-2014- (17788	-11-24- bytes, -11-24- bytes,	-V1.2 , 1 r -V1.2 , 1 r	2. hex range, 2. hex range,] CRC] CRC	= 0x1 = 0x1	00B63A	.B3) .B3)	J														
Opening data fi - Data file op Opening data fi - Data file op	ile [Y:\S-Wave\swav pened successfully ile [Y:\S-Wave\swav pened successfully	e-2014- (17788 e-2014- (17788	-11-24- bytes, -11-24- bytes,	-V1.2 , 1 r -V1.2 , 1 r	2. hex; range; 2. hex; range;] CRC] CRC	= 0x1 = 0x1	00B63A	.B3) .B3)	1														
Opening data fi - Data file op Opening data fi - Data file op	ile [Y:\S-Wave\swav pened successfully ile [Y:\S-Wave\swav pened successfully	e-2014- (17788 e-2014- (17788	-11-24- bytes, -11-24- bytes,	-V1.2 , 1 r -V1.2 , 1 r	2. hex; range, 2. hex; range,] CRC] CRC	= 0x1 = 0x1	00B63A	.B3) .B3)]														≥ ;;
Opening data fi - Data file op Opening data fi - Data file op	ile [Y:\S-Wave\swav ened successfully ile [Y:\S-Wave\swav eened successfully	e-2014- (17788 e-2014- (17788	-11-24- bytes, -11-24- bytes,	-V1.2 , 1 r -V1.2 , 1 r	2. hex. range, 2. hex. range,	_v432]] CRC] ; CRC	= 0x1 = 0x1	00863A	.B3) .B3)	1														₹
Dpening data fi - Data file op Opening data fi - Data file op	ile [Y:\S-Wave\swav pened successfully le [Y:\S-Wave\swav pened successfully	e-2014- (17788 e-2014- (17788	-11-24- bytes, -11-24- bytes,	-V1.2 , 1 r -V1.2 , 1 r	2. hex; range, 2. hex; range,	_v432 CRC CRC	= 0x1 = 0x1	00863A	.B3) B3)															× ;
Dpening data fi – Data file op Opening data fi – Data file op D	ened successfully bened successfully bened successfully bened successfully	e-2014- (17788 e-2014- (17788	-11-24- bytes, -11-24- bytes,	-V1.2 , 1 r -V1.2 , 1 r	2. hex; range; 2. hex; range;	_v432]] CRC] CRC	= 0x1 = 0x1 = 0x1	00863A 00863A	لعع (133) (133)	8 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Ш Ш 200	5	1 EF		/1	AT AT	88	50					ų	> ;;
Dpening data fi – Data file op Opening data fi – Data file op d>	ile [Y: \S-Wave\isea pened successfully ile [Y: \S-Wave\swav ened successfully 0030	e-2014- (17788 e-2014- (17788 (17788	-11-24- bytes, -11-24- bytes, 03 (-V1.2 , 1 r -V1.2 , 1 r	2. hex range, 2. hex range, 00	 CRC]] CRC] CRC	مراکع المراح (1×0 = (1×0 = (1×0 = (1×0 =	008634 008634 008634 008634	هم هم B3)	ലല 3D	ее 02	06 816) 00 1 101	, .	/1 65	ы 11	оо 00	99 00	, .				ų.	× •
Opening data fi – Data file op Opening data fi – Data file op d> d> d>	ile [V: \S-Wave\iswa ened successfully ened successfully ened successfully 0030 0040	e-2014- (17788 e-2014- (17788 117788	-11-24- bytes, -11-24- bytes, 03 (03 (-V1.2 , 1 r -V1.2 , 1 r 00	2. hex range, 2. hex range, range 00 00	-9432 CRC CRC CRC 00 17	= 0x1 = 0x1 00 00 03	00B63A 00B63A 00B63A 00B63A 00 00	B3) B3) ØØ	ຍຍ 3D 17	ยย 02 03	00 00) 00) 00) () () () (/1 65 17	ы 11 03	00 00 00	99 90 90	· -) -				ц.,	>
Dpening data fi - Data file op Opening data fi - Data file op d> d> d> 1756 opnition	le [Y: \S-Wavelysev ened successfully ened successfully ened successfully 0030 0040 0050	e-2014- (17788 e-2014- (17788 11 11 17 17	-11-24- bytes, -11-24- bytes, 03 (03 (03 (-V1.2 , 1 r -V1.2 , 1 r 00	2. hex range, 2. hex range, range, 00 00 00	-9432 CRC CRC CRC 00 17 61	= 0x1 = 0x1 = 0x1 00 03 21	00B63A 00B63A 00B63A 00B63A 00 00	00 00 03) 133)	ຍຍ 3D 17 17	99 02 03 03	96 96 96) 00) 00) 00) () () () () () () () () () (/1 65 17 17	01 11 03 03	00 00 00	90 90 90	· - 1 -		 a!.		-4- .e.	× •
Dpening data fi - Data file op Opening data fi - Data file op d> d> d> cl 2756 ognition	ile [Y:\S-Wavelysey pened successfully le [Y:\S-Wavelysey pened successfully 0030 0040 0050 0060	e-2014- (17788 e-2014- (17788 11 17 17 17	-11-24- bytes, -11-24- bytes, 03 (03 (03 (03 (03 (-V1.2 , 1 r -V1.2 , 1 r 00 00 00	2. hex range, 2. hex range, 00 00 00	-9432 CRC CRC 00 17 61	= 0xl = 0xl = 0xl 0xl 00 03 21 03	00863A 00863A 00863A 00 00 00 00	B3) B3) 00 00 00 00	ее 3D 17 17	ยย 02 03 03 03	00 00 00 00		, , ; ; ; ; ; ; ; ;	/1 65 17 17	01 11 03 03 03	00 00 00 00	99 90 90 90	· . · . · .		a!.	_ =	ų	
Dpening data fi - Data file op Opening data fi - Data file op d> d> d> d> (1756 ognition	ile [Y:\S-Wavelysey pened successfully ie [Y:\S-Wavelysey pened successfully 0030 0040 0050 0060 0070	e-2014- (17788 e-2014- (17788 11 17 17 17 17	-11-24- bytes, -11-24- bytes, 03 (03 (03 (03 (03 (03 (03 (-V1.2 , 1 r -V1.2 , 1 r 00 00 00 00 00	2. hex range, 2. hex range, 00 00 00 00 00	00 17 61 17 17 17	= 0x1 = 0x1 = 0x1 00 03 21 03 03 03	00863A 00863A 00863A 00 00 00 00 00	B3) B3) 00 00 00 00 00 00	90 3D 17 17 17	99 92 93 93 93 93	090 090 090 090 090		, , , , , , , , , , , , , , , , , , ,	/1 65 17 17 17	01 11 03 03 03 03	00 00 00 00	00 00 00 00 00	 				-ų.	× • • • • • • • • • • • • • • • • • • •
Upening data fi - Data file op Opening data fi - Data file op db db cl 21756 ognition 4777	I.e. [Y: \S-Wave\isespectrates] pends successfully ile [Y: \S-Wave\isespectrates] geo2.0 goo3.0 goo4.0 goo4.0 <	e-2014- (17788 e-2014- (17788) 111 17 17 17 17 17	-11-24- bytes, -11-24- bytes, 03 (03 (03 (03 (03 (03 (03 (03 (-V1.2 , 1 r -V1.2 , 1 r 00 00 00 00 00 00 00	2. hex, range, 2. hex range, 00 00 00 00 00 00 00 00 00	00 00 17 17 17	= 0x1 = 0x1 = 0x1 00 03 21 03 03 03 03	008634 008634 008634 00 00 00 00 00 00 00	вз) вз) 00 00 00 00 00	999 3D 17 17 17 17 17 8D	99 92 93 93 93 93 93) () () () () () () () () () (71 65 17 17 17	UI 11 03 03 03 03 03	00 00 00 00	99 90 90 90 90 90 90	, .				-4- .e.	>
Upening data fi - Data file of Opening data fi - Data file of Data file of D D D D D D D D D D D D D	ile [Y:\S-#ave\ises pined successfully ile [Y:\S-#ave\ises o030 0040 0050 0060 0070 0080	e-2014- (17788 e-2014- (17788) 111 17 17 17 17 17	-11-24- bytes, -11-24- bytes, 03 (03 (03 (03 (03 (03 (03 (03 (-V1.2 1 r -V1.2 , 1 r 00 00 00 00 00 00 00 00	2. hex range, 2. hex range, 2. hex range, 000 000 000 000 000 000 000	00 17 17 17	= 0x1 = 0x1 = 0x1 = 0x1 00 03 21 03 03 03 03 25	00863) 00863) 00863) 00863) 00863) 00863) 00863) 009 009 009 009 009 009 009	B3) B3) D0 00 00 00 00 00 00	3D 3D 17 17 17 17 17 17 17	999 02 03 03 03 03 03 22		9 06 9 06 9 06 9 06) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	/1 65 17 17 17 17	01 11 03 03 03 03 03	00 00 00 00 00	99 90 90 90 90 90 90 90	 		a!			
Upening data fi - Data file op Opening data fi - Data file op D D D C1756 Dognition 477 2000	ile [Y:\S-Wave\swav	e-2014- (17788 e-2014- (17788) 111 17 17 17 17 17 17 17	-11-24- bytes, -11-24- bytes, 03 (03 (03 (03 (03 (03 (03 (03 (-V1.2 , 1 r -V1.2 , 1 r 00 00 00 00 00 00 00 00 00 0	2. hex range, 2. hex range, 00 00 00 00 00 00 00 00 00 00	00 17 17 17 83	= 0x1 = 0x1 = 0x1 = 0x1 00 03 21 03 03 03 2E	00863) 00863) 00863) 00863) 00863) 00863) 008 009 009 009 009 009 009	B3) B3) B3) B3) B3) B3) B3) B3) B3 B3 B3 B3 B3 B3 B3 B3 B3 B3 B3 B3 B3	3D 3D 17 17 17 17 17 17 17 17 17 17	000 02 03 03 03 03 03 22 03) () () () () () () () () () (65 17 17 17 17	01 11 03 03 03 03 03 03	00 00 00 00 00 00	000 000 000 000 000 000 000	·		a!	. =	ų	
Upening data fi - Data file op Opening data fi - Data file op D D D D C1756 Dognition 477 D00	ILe [Y: \S-Wave\swave) sened successfully sened successfully 0030 0040 0050 0060 0070 0080 0090 0080	e-2014- (17788 e-2014- (17788) 111 17 17 17 17 17 17 17 17	-11-24- bytes, -11-24- bytes, 03 (03 (03 (03 (03 (03 (03 (03 (-V1.2 1 1 -V1.2 , 1 1 00 00 00 00 00 00 00 00 00 00 00	2. hex range, 2. hex range, 00 00 00 00 00 00 00 00 00 00 00	00 17 61 17 17 17 83 17	= 0x1 = 0x1	00863,4 00863,4 00863,4 00863,4 00 00 00 00 00 00 00 00 00 00 00	B3) B3) B3) 00 00 00 00 00 00 00 00 00 00	3D 3D 17 17 17 17 17 17 17 17 17 17	999 92 93 93 93 93 93 93 93 93		9 00 9 00 9 00 9 00 9 00 9 00 9 00 9 00) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	71 65 17 17 17 17 17	01 11 03 03 03 03 03 03 03 03	00 00 00 00 00 00 00	00 00 00 00 00 00 00 00	 		at.		ų. .e.	
Jpening data fi - Data file opening data fi - Data file op Data file op D D D C1756 Dognition 477 D00 internal	Ie [Y:\S-Wave\swave ened successfully ened successfully ened successfully 0030 0040 0050 0060 0070 0080 0090 0080 0090 0080	e-2014- (17788 e-2014- (17788) 111 17 17 17 17 17 17 17 17 17	-11-24- bytes, -11-24- 03 (03 (03 (03 (03 (03 (03 (03 (-V1.2 1 1 -V1.2 , 1 1 00 00 00 00 00 00 00 00 00 00 00 00 00	2. hex range, 2. hex range, 2. hex range, 00 00 00 00 00 00 00 00 00 00 00 00 00	00 17 61 17 17 83 17 17	= 0x1 = 0x1	90963) 90963) 90963) 909 909 909 909 909 909 909 909 909	200 133) 133) 133) 133) 133 133 133 133 133	3D 3D 17 17 17 17 17 17 17 17 17	999 02 03 03 03 03 03 03 03 03	000 000 000 000 000 000 000 000 000 00	9 06 9 06 9 06 9 06 9 06 9 06 9 06 9 06	, , , , , , , , , , , , , , , , , , ,	71 65 17 17 17 17 17 17	01 11 03 03 03 03 03 03 03 03 03	80 80 80 80 80 80 80 80 80	00 00 00 00 00 00 00 00 00 00	· · · · · · · · · · ·		at.		- y . .e.	►
Dening data fi - Data file op Opening data fi - Data file op Data file op D D D D D D D D D D D D D	Ie [I':\S-Wavelysev ened successfully ened successfully ened successfully 0030 0040 0050 0060 0070 0080 0090 0080 0090	e-2014- (17788 *2014- (17788 *11 17 17 17 17 17 17 17 17 17 17	-11-24- bytes, -11-24- 03 (03 (03 (03 (03 (03 (03 (03 (-v1.2 -v1.2 -v1.2 00 00 00 00 00 00 00 00 00 0	2. hex range, 2. hex range, 2. hex range, 00 00 00 00 00 00 00 00 00 00 00 00 00	00 17 61 17 17 17 83 17 17	= 0x1 = 0x1 = 0x1 = 0x1 = 0x1 = 0x1 = 0x1 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x1 = 0x1	008633 008633 008633 008633 008633 00 00 00 00 00 00 00 00 00 00 00 00 0	B3) B3) B3) B3) B3) B3 B3 B3 B3 B3 B3 B3 B3 B3 B3 B3 B3 B3	3D 3D 17 17 17 17 17 17 17 17 17	02 03 03 03 03 22 03 03 03 03		9 00 9 00 9 00 9 00 9 00 9 00 9 00 9 00) , , , , , , , , , , , , , , , , , , ,	/1 65 17 17 17 17 17 17	01 11 03 03 03 03 03 03 03 03 03	80 80 80 80 80 80 80 80 80	99 99 99 99 99 99 99 99 99 99 99 99 99			a†.			
Upening data fi — Data file op Opening data fi — Data file op d) d) d) d) (1756 Ognition 4777 D00	le [I': \S-Wave\swave ened successfully ened successfully ened successfully 0030 0040 0050 0060 0070 0080 0090 0080 0090 0080 0090 0080 0090	e-2014- (17788 *2014- (17788 *111 17 17 17 17 17 17 17 17 17 17 17	-11-24- bytes, -11-24- bytes, -11-24- bytes, -11-24- -124- 03 (03 (03 (03 (03 (03 (03 (03 (-v1.2 -v1.2 -v1.2 00 00 00 00 00 00 00 00 00 0	2. hex range, 2. hex range, 2. hex range, 00 00 00 00 00 00 00 00 00 00 00 00 00	00 17 61 17 17 17 83 17 17	= 0x1 = 0x1 = 0x1 = 0x1 = 0x1 = 0x1 = 0x1 = 0x1 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x1 = 0x1	008633 008633 008633 008633 008633 00 00 00 00 00 00 00 00 00 00 00 00 0	B3) B3) 00 00 00 00 00 00 00 00 00 00 00 00 00	3D 3D 17 17 17 17 17 17 17 17 17	999 02 03 03 03 03 03 03 03 03		9 000 9 000 9 000 9 000 9 000 9 000 9 000 9 000 9 000 9 000	 i i<	65 17 17 17 17 17 17	01 11 03 03 03 03 03 03 03 03 03 03	90 90 90 90 90 90 90 90 90 90 90	00 00 00 00 00 00 00 00 00 00 00 00 00			a!			
Jpening data fi — Data file op Opening data fi — Data file op d> d> d> d> d> d> 477 000 internal	1:e [Y: \S-Wave\]sway pends successfully 1:e [Y: \S-Wave\]sway pends successfully 0030 0040 0050 0060 0070 0080 0090 00A0 00B0 0-F1ash	e-2014- (17788 = 2014- (177788 = 111 17 17 17 17 17 17 17 17 17 17 17	-11-24- bytes, -11-24- bytes, -03 (03 (03 (03 (03 (03 (03 (03 (-v1.2 -v1.2 , 1 r -v1.2 , 1 r 00 00 00 00 00 00 00 00 00 0	2. hex range, 2. hex range, 2. hex range, 00 00 00 00 00 00 00 00 00 00 00 00 00	00 17 61 17 17 83 17 17 17	= 0x1 = 0x1	008634 008634 008634 008634 008 00 00 00 00 00 00 00 00 00 00 00 00	B3) B3) 00 00 00 00 00 00 00 00 00 00 00 00 00	800 3D 17 17 17 17 17 17 17 17 17	999 92 93 93 93 93 93 93 93 93			9 6 9 6 1 6 1 6 1 6 1 6 1 6 1 6	71 65 17 17 17 17 17 17	01 11 03 03 03 03 03 03 03 03 03 03	90 90 90 90 90 90 90 90 90 90 90 90 90	00 00 00 00 00 00 00 00 00 00 00 00 00			a!			
Jpening data fi – Data file op Jpening data fi – Data file op d> d> d> 1756 Jprition 4777 000	ile [Y:\S=#ave\swav	e-2014- (17788 *2014- (177788 *111 17 17 17 17 17 17 17 17 17 17 17	-11-24- bytes, -11-24- bytes, -03 (03 (03 (03 (03 (03 (03 (03 (-v1.2 -v1.2 , 1 r -v1.2 , 1 r 00 00 00 00 00 00 00 00 00 0	2. hex range, 2. hex range, 2. hex range, 00 00 00 00 00 00 00 00 00 00 00 00 00	000 17 61 17 17 17 83 17 17	= 0x1 = 0x1	008634 008634 008634 008634 008 009 009 009 009 009 009 009 009 009	133) 133) 133) 133) 133) 133) 133) 133)	3D 3D 17 17 17 17 17 17 17 17 17	999 92 93 93 93 93 93 93 93 93			<pre>6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6</pre>	71 65 17 17 17 17 17 17	01 11 03 03 03 03 03 03 03 03 03 03	00 00 00 00 00 00 00 00 00 00 00 00 00			305	a!			
Jpening data fi - Data file op Jpening data fi - Data file op d) d) (1756 Jpening d) (1756 Jpening d) (1756 Jpening d) (17756 Jpening d) (ile [Y:\S-#ave\swav	e-2014- (17788 =2014- (177788 =111 17 17 17 17 17 17 17 17 17 17 17 17	-11-24- bytes, -11-24- bytes, 03 (03 (03 (03 (03 (03 (03 (03 (-v1.2 , 1 1 -v1.2 , 1 1 -v1.2 00 00 00 00 00 00 00 00 00 0	2. hex range, 2. hex range, 2. hex 00 00 00 00 00 00 00 00 00 00 00 00 00	00 17 61 17 17 17 17 17 17 17 17 17 1	= 0x1 = 0x1	909634 909634 909 909 909 909 909 909 909 909 909 90	B3) B3) 00 00 00 00 00 00 00 00 00 00 00 00 00	3D 3D 17 17 17 17 17 17 17 17 17 17	02 03 03 03 03 03 03 03 03 03 03		9 90 9 00 9 00 9 00 9 00 9 00 9 00 9 00		71 65 17 17 17 17 17 17 17 17 20 	01 11 03 03 03 03 03 03 03 03 03 03	90 90 90 90 90 90 90 90 90 90 90 90 90 9	000 000 000 000 000 000 000 000 000 00		395	a ?			· · · · · · · · · · · · · · · · · · ·
Deening data fi - Data file op Opening data fi - Data file op D D D D D D D D D D D D D	ile [Y:\S=#ave\swav	e-2014- (17788 e-2014- (17788 11 17 17 17 17 17 17 17 17 17 17 17 17	-11-24- bytes, -11-24- bytes, -03 (03 (03 (03 (03 (03 (03 (03 (-v1.2 , 1 1 -v1.2 , 1 1 00 00 00 00 00 00 00 00 00 00 00 00 00	2. hex range, 2. hex range, 2. hex 00 00 00 00 00 00 00 00 00 00 00 00 00	00 17 61 17 17 83 17 17 17	= 0x1 = 0x1 = 0x1 = 0x1 = 0x1 = 00 = 00 = 03 = 03 = 03 = 03 = 03 = 03	008634 008634 008634 00 00 00 00 00 00 00 00 00 00 00 00 00	B3) B3) 00 00 00 00 00 00 00 00 00 00 00 00 00	3D 3D 17 17 17 17 17 17 17 17 17 17	02 03 03 03 03 03 03 03 03 03 03	000 000 000 000 000 000 000 000 000 00			71 65 17 17 17 17 17 17 17 17 00	01 11 03 03 03 03 03 03 03 03 03 03 03 03	90 90 90 90 90 90 90 90 90 90 90	00 00 00 00 00 00 00 00 00 00 00 00 00		395	a†.			• • • • • • • • • • • • • • • • • • •
Dening data fi - Data file op Opening data fi - Data file op Data file op D D D D D D D D D D D D D	Ie [Y:\S-Wave\swave ened successfully le [Y:\S-Wave\swave ened successfully 0030 0040 0050 0060 0070 0080 0090 0090 0090 0080 0090 0090 0090 0090 0080 0090 0000 0000 0000 0000 0000 0000 0000 0000	e-2014- (17788 *2014- (17788 *11 17 17 17 17 17 17 17 17 17 17 17 17 1	-11-24- bytes, -11-24- bytes, -03 (03 (03 (03 (03 (03 (03 (03 (-V1.2 1 1 1 -V1.2 -V1.2 00 00 00 00 00 00 00 00 00 0	2. hex range, 2. hex range, 2. hex 00 00 00 00 00 00 00 00 00 00 00 00 00	000 17 17 17 17 17 17 17 17 17 17	= 0x1 = 0x1	999 909634 909 909 909 909 909 909 909 909 909 90	B3) B3) 00 00 00 00 00 00 00 00 00 00 00 00 00	3D 3D 17 17 17 17 17 17 17 17 17	02 03 03 03 03 03 03 03 03 03 03 03 03 03	000 000 000 000 000 000 000 000 000 00	9 00 9 00 9 00 9 00 9 00 9 00 9 00 9 00		71 65 17 17 17 17 17 17 17 17 00 00000000000	01 11 03 03 03 03 03 03 03 03 03 03 03 03 03	90 90 90 90 90 90 90 90 90 90 90 90 90	00 00 00 00 00 00 00 00 00 00 00 00 00		395	a† 	.=		• • • • • • • • • • • • • • • • • • •
Dening data fi - Data file op Opening data fi - Data file op db db C1756 Dognition 4777 D00 i internal 1 chip	ile [Y:\S-#ave\swav	e-2014- (17788 *2014- (17788 *11 17 17 17 17 17 17 17 17 17 17 17 17 1	-11-24- bytes, -11-24- bytes, -03 (03 (03 (03 (03 (03 (03 (03 (-V1.2 1 1 2 -V1.2 -V1.2 -V1.2 00 00 00 00 00 00 00 00 00 0	2. hex ange, 2. hex range, 2. hex 00 00 00 00 00 00 00 00 00 00 00 00 00	000 17 61 17 17 17 83 17 17 17 83	= 0x1 = 0x1	008634 008634 008634 008634 000 000 000 000 000 000 000 000 000 0	B3) B3) 00 00 00 00 00 00 00 00 00 00 00 00 00	3D 3D 17 17 17 17 17 17 17 17 17	02 03 03 03 03 03 03 03 03 03 03 03	00 00 00 00 00 00 00 00 00 00 00	5 5 6 6 3 6 6 9 6 7 6 9 6 6 9 6 9		65 17 17 17 17 17 17 17 00	01 11 03 03 03 03 03 03 03 03 03 03	90 90 90 90 90 90 90 90 90 90 90	00 00 00 00 00 00 00 00 00 00 00 00 00		395	a†.			· · · · · · · · · · · · · · · · · · ·
Deening data fi — Data file op Opening data fi — Data file op d) d) d) d) d) d) d) d) d) d)	ile [Y:\S-#ave\swav	e-2014- (17788 =2014- (17788 =111 17 17 17 17 17 17 17 17 17 17 17 17	-11-24- bytes, -11-24- bytes, -03 (03 (03 (03 (03 (03 (03 (03 (-V1.2 1 r -V1.2 -V1.2 1 r -V1.2 0 0 0 0 0 0 0 0 0 0 0 0 0	2. hex ange, 2. hex range, 2. hex 00 00 00 00 00 00 00 00 00 00 00 00 00	00 17 61 17 17 17 83 17 17 17 83	= 0x1 = 0x1 = 0x1 = 0x1 = 0x1 = 0x1 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x1 = 0x1	999 908634 908634 909 909 909 909 909 909 909 909 909 90	B3) B3) 00 00 00 00 00 00 00 00 00 00 00 00 00	عن المراجع الم المراجع المراجع	02 03 03 03 03 03 03 03 03 03 03 03		5 5 6 6 3 6 6 6 6		71 65 17 17 17 17 17 17 17 17 00	01 11 03 03 03 03 03 03 03 03 03 03 03 03	90 90 90 90 90 90 90 90 90 90 90 90 90 9	00 00 00 00 00 00 00 00 00 00 00 00 00		395	a†			· · · · · · · · · · · · · · · · · · ·
Deening data fi — Data file op Opening data fi — Data file op do do do do do do do do do do	ile [Y:\S-Wave\swave\swave ened successfully ened successfully ened successfully 0030 0040 0050 0060 0070 0080 0090 0080 0090 0080 0090 0080 0090 0080 0090 0080 0090 0080 0090 0080 0090 0080 0090	e-2014- (17788 =2014- (17788 =11 17 17 17 17 17 17 17 17 17 17 17 17 1	-11-24- bytes, -11-24- bytes, -03 (03 (03 (03 (03 (03 (03 (03 (-V1.2 1 r -V1.2 -V1.2 -V1.2 00 00 00 00 00 00 00 00 00 0	2 hex range, 2 hex range, 00 00 00 00 00 00 00 00 00 00 00 00 00	00 17 61 17 17 17 17 83 17 17 17 27 17	= 0x1 = 0x1	999 908634 908634 909 909 909 909 909 909 909 909 909 90	B3) B3) 00 00 00 00 00 00 00 00 00 00 00 00 00	3D 37 17 17 17 17 17 17 17 17 17 17	02 03 03 03 03 03 03 03 03 03 03 03 03		5 000 5 0000 5 0000 5 0000 5 000 5 000 5 000 5 000 5 000 5 000		65 17 17 17 17 17 17 17 17 00	01 11 03 03 03 03 03 03 03 03 03 03 03 03	90 90 90 90 90 90 90 90 90 90 90 90 90 9	000 000 000 000 000 000 000 000 000 00		395	a† 	.3(· · · · · · · · · · · · · · · · · · ·
Dening data fi - Data file op Opening data fi - Data file op d> d> d> 1756 ognition 4777 000 internal 1 chip	<pre>ile [Y:\S-#ave\swey ened successfully energy ener</pre>	e-2014- (17788 =2014- (17788 =111 17 17 17 17 17 17 17 17 17 17 17 17	-11-24- bytes, -11-24- bytes, -03 (03 (03 (03 (03 (03 (03 (03 (-V1.2 1 1 1 -V1.2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	2. hex range, 2. hex range, 00 00 00 00 00 00 00 00 00 00 00 00 00	2)	= 0x1 = 0x1	00863/ 00863/ 00863/ 00863/ 00 00 00 00 00 00 00 00 00 00 00 00 00	B3) B3) 00 00 00 00 00 00 00 00 00 00 00 00 00	3D 37 17 17 17 17 17 17 17 17 17 17	999 92 93 93 93 93 93 93 93 93 93 93 93 93		9 000 9 000 9 000 9 000 9 000 9 000 9 000 9 000 9 000 9 000		/1 65 17 17 17 17 17 17 17 17 00	01 11 03 03 03 03 03 03 03 03 03 03	90 00 00 00 00 00 00 00 00 00 00 00 00 0	000 000 000 000 000 000 000 000 000 00		395	at 	.3. 		· · · · · · · · · · · · · · · · · · ·
Dening data fi - Data file op Opening data fi - Data file op d) d) (1756 ognition 4777 000 internal 1 chip ectors verif: ammed and veri	<pre>ile [V:\S-Wave\swave\swave pened successfully ile [Y:\S-Wave\swave ened successfully 0030 0040 0050 0060 0070 0080 0090 0090 0080 0000 0080 0000 0080 0000 0080 0000 0080 0000 0000 0000 0000 0000 0000 0000 0000</pre>	e-2014- (17788 e-2014- (17788 11 17 17 17 17 17 17 17 17 17 17 17 17	-11-24- bytes, -11-24- bytes, -03 (03 (03 (03 (03 (03 (03 (03 (-V1.2 -V	2. hex range 2. hex 2. hex 00 00 00 00 00 00 00 00 00 00 00 00 00	2) fter	= 0x1 = 0x1 = 0x1 = 0x1 = 0x1 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x1 = 0x1	224 st	B3) B3) 00 00 00 00 00 00 00 00 00 00 00 00 00	عن المراجع الم المراجع المراجع	92 93 93 93 93 93 93 93 93 93 93				71 65 17 17 17 17 17 17 17 20 Comp	01 11 03 03 03 03 03 03 03 03 03 03	90 90 90 90 90 90 90 90 90 90 90 90 90 9	00 00 00 00 00 00 00 00 00 00 00 00 00		395	a!			
Dening data fi - Data file of Opening data fi - Data file of d) d) (1756 Ognition 4777 000 internal 1 chip ectors verifi ammed and ver (17788 bytestors verifi ors	ile [Y:\S-Wave\swave bened successfully bened successfully 0030 0040 0050 0060 0070 0080 0090 0090 0090 0080 0090 0080 0090 0000 0000 0000 0000 0000 0000 0000 0000	e-2014- (17788 e-2014- (17788 11 17 17 17 17 17 17 17 17 17 17 17 17	-11-24- bytes, -11-24- bytes, -03 (03 (03 (03 (03 (03 (03 (03 (-V1.2 , 1 1 , 1 1 , 1 1 , 1 1 , 1 1 00 00 00 00 00 00 00 00 00 0	2. hex range, 2. hex range, 00 00 00 00 00 00 00 00 00 00 00 00 00	2) (14) (1	= 0x1 = 0x1 = 0x1 = 0x1 = 0x1 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x1 = 0x1	00863,4 00863,4 00863,4 00 00 00 00 00 00 00 00 00 00 00 00 00	B3) B3) B3) 00 00 00 00 00 00 00 00 00 00 00 00 00	200 3D 17 17 17 17 17 17 17 17 17	900 02 03 03 03 03 03 03 03 03 03 03		5 00 6 00		/1 65 17 17 17 17 17 17 17 17 17 00 000000000	01 11 03 03 03 03 03 03 03 03 03 03 03	90 90 90 90 90 90 90 90 90 90 90 90 90 9	00 00 00 00 00 00 00 00 00 00 00 00 00		395	a† 	.3. 		• • • • • • • • • • • • • • • • • • •
Dening data fi - Data file op Opening data fi - Data file op D D D D D D D D D D D D D	<pre>ile [Y:\S-Wave\swav</pre>	e-2014- (17788 e-2014- (17788 11 17 17 17 17 17 17 17 17 17 17 17 17	-11-24- bytes, -11-24- bytes, -03 (03 (03 (03 (03 (03 (03 (03 (-V1.2 , 1 1 , 1 1 , 1 1 , 1 1 00 00 00 00 00 00 00 00 00 0	2 hex range, 2 hex hex o 00 00 00 00 00 00 00 00 00 00 00 00 0	2) (1432 (1432)	= 0x1 = 0x1 = 0x1 = 0x1 = 0x1 = 0x1 = 0x1 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x1 = 0x1	00863,4 00863,4 00863,4 00863,4 00863,4 009 009 009 009 009 009 009 009 009 00	B3) B3) 00 00 00 00 00 00 00 00 00 00 00 00 00	3D 3D 17 17 17 17 17 17 17 17 17	92 93 93 93 93 93 93 93 93 93	000 000 000 000 000 000 000 000 000 00	5 000 3 000 0000 00000000		71 65 17 17 17 17 17 17 17 17 00	01 11 03 03 03 03 03 03 03 03 03 03 03 03 03	00 00 00 00 00 00 00 00 00 00 00 00 00	ee Oo Oo Oo Oo Oo Oo Oo Oo Oo Oo Oo Oo Oo		395	a† sec	.3		· · · · · · · · · · · · · · · · · · ·
Dening data fi - Data file op Opening data fi - Data file op d) d) d) d) d) d) d) d) d) d)	<pre>ile [Y:\S-Wave\swave\swave ened successfully ened successfully ened successfully ened successfully 0030 0040 0050 0060 0070 0080 0090 0080 0080 0080 0090 0080 0090 0080 0080 0090 0080 0090 0080 00000 0080 0000 0080 0000 0000 0000 0000 0000 0000 0000 0000</pre>	e-2014- (17788 *2014- (17788 *11 17 17 17 17 17 17 17 17 17 17 17 17 1	-11-24- bytes, -11-24- bytes, -03 (03 (03 (03 (03 (03 (03 (03 (-V1.2 , 1 1 1 , 1 1 1 1 , 1 1 1 1 , 1 1 1 1 1 , 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 hex range, 2 hex range, 2 hex range, 00 00 00 00 00 00 00 00 00 00 00 00 00	000 17 61 17 17 83 17 17 83 17 17 17 83 17	= 0x1 = 0x1 = 0x1 = 0x1 = 0x1 = 0x1 = 0x1 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x1 = 0x1	00863,4 00863,4 00863,4 00863,4 00 00 00 00 00 00 00 00 00 00 00 00 00	B3) B3) 00 00 00 00 00 00 00 00 00 00 00 00 00	3D 3D 17 17 17 17 17 17 17	999 92 93 93 93 93 93 93 93 93		5 000 5 0000 5 0000 5 0000 5 000 5 000 5 000 5 000 5 000 5 000		65 17 17 17 17 17 17 17 17 00	01 11 03 03 03 03 03 03 03 03 03 03 03 03 03	00 00 00 00 00 00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00 00 00 00 00 00		395	a†.	.3(.9.1) 		· · · · · · · · · · · · · · · · · · ·
Dening data fi - Data file op Opening data fi - Data file op do do do do do do do do do do	<pre>ile [Y:\S-Wave\swave\swave pened successfully ile [Y:\S-Wave\swave wave and successfully 0030 0040 0050 0060 0070 0080 0070 0080 0090 0080 0090 0080 0090 0080 0090 0080 0090 0080 000000</pre>	e-2014- (17788 =-2014- (17788 =11 17 17 17 17 17 17 17 17 17 17 17 17 1	-11-24- bytes, -11-24- bytes, -03 (03 (03 (03 (03 (03 (03 (03 (-V1.2 , 1 1 1 , 1 1 , 1 1 , 1 1 , 1 1 00 00 00 00 00 00 00 00 00 0	2. hex range 2. hex 2. hex 2. hex 00 00 00 00 00 00 00 00 00 00 00 00 00	2) (14) (17) (1	= 0x1 = 0x1	00863,4 00863,4 00863,4 00863,4 00 00 00 00 00 00 00 00 00 00 00 00 00	B3) B3) 00 00 00 00 00 00 00 00 00 00 00 00 00	3D 17 17 17 17 17 17 17 17 17	999 62 63 63 63 63 63 63 63 63 63 63 63 63 63		9 000 9 0000 9 0000 9 0000 9 0000 9 0000 9 00000 9 00000 9 0000 9 0000		71 65 17 17 17 17 17 17 17 00	01 11 03 03 03 03 03 03 03 03 03 03 03 03	90 90 90 90 90 90 90 90 90 90 90 90 90 9	00 00 00 00 00 00 00 00 00 00 00 00 00		395	at.			· · · · · · · · · · · · · · · · · · ·
Dening data fi - Data file op Opening data fi - Data file op d) d) d) d) d) d) d) d) d) d)	<pre>le [Y:\S-Wave\swave\swave pened successfully ile [Y:\S-Wave\swave ened successfully 0030 0040 0050 0060 0070 0080 0070 0080 0090 0080 0090 0080 0090 0080 0090 0080 0090 0080 0090 0080 0090 0080 0090 0080 0090 0080 0090 0080 0090 0080 0090 0080 0090 0080 0090 0080 0090 0080 0090 0080 0090 0080 0090 0080 0090 0080 000000</pre>	e-2014- (17788 =2014- (17788 =11 17 17 17 17 17 17 17 17 17 17 17 17 1	-11-24- bytes, -11-24- bytes, -03 (03 (03 (03 (03 (03 (03 (03 (-V1.2 , 1 r , 1 r , 1 r , 1 r , 1 r 00 00 00 00 00 00 00 00 00 0	2. hex range 2. hex 2. hex 2. hex 00 00 00 00 00 00 00 00 00 00 00 00 00	2) (1) (1) (1) (1) (1) (1) (1) (1	= 0x1 = 0x1 = 0x1 = 0x1 = 0x1 = 0x1 = 0x1 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x1 = 0x1	00863,4 00863,4 00863,4 00 00 00 00 00 00 00 00 00 00 00 00 00	B3) B3) 00 00 00 00 00 00 00 00 00 00 00 00 00	3D 37 17 17 17 17 17 17 17 17 17	999 02 03 03 03 03 03 03 03 03 03 03		9 00 9 00		71 65 17 17 17 17 17 17 17 00	01 11 03 03 03 03 03 03 03 03 03 03 03	90 90 90 90 90 90 90 90 90 90 90 90 90 9	ee GG GG GG GG GG GG GG GG GG GG GG GG G		395	a!			· · · · · · · · · · · · · · · · · · ·
Dening data fi - Data file op Opening data fi - Data file op d) d) d) (1756 ognition 4777 000 internal 1 chip ectors verifi tors 4 1, 2, 3, 4 umpleted suc. (7788 bytes, successfull) ectors verifi ectors verifi	<pre>ile [Y:\S-Wave\swav</pre>	-2014- (17788 -2014- (17788 -11 17 17 17 17 17 17 17 17 17 17 17 17 1	-11-24- bytes, -11-24- bytes, -03 (03 (03 (03 (03 (03 (03 (03 (-V1.2 , 1 1 1 , 1 1 1 1	2. hex range 2. hex 2. hex 2. hex 00 00 00 00 00 00 00 00 00 00 00 00 00	2) (1) (1) (1) (1) (1) (1) (1) (1	= 0x1 = 0x1 = 0x1 = 0x1 = 0x1 = 0x1 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x1 = 0x1	24 54	B3) B3) 00 00 00 00 00 00 00 00 00 00 00 00 00	80 3D 17 17 17 17 17 17 17 17 17 17	02 03 03 03 03 03 03 03 03 03 03		9 00 9 00		Comp	01 11 03 03 03 03 03 03 03 03 03 03	90 90 90 90 90 90 90 90 90 90 90 90 90 9	00 00 00 00 00 00 00 00 00 00 00 00 00		395	a!		u - e - 	• • • • • • • • • • • • • • • • • • •
Dening data fi - Data file op Opening data fi - Data file op do do cl756 ognition 4777 000 internal 1 chip ctors verifi ammed and ver (17788 bytes, successfull) excessfully excessfully excessfully excessfully excessfully	<pre>ile [Y:\S-Wave\swave\swave mend successfully ile [Y:\S-Wave\swave ened successfully 0030 0040 0050 0060 0070 0080 0070 0080 0090 0080 0000 0080 0000 0000 0000 0000 0000 0000 0000 0000</pre>	e-2014- (17788 e-2014- (17788 11 17 17 17 17 17 17 17 17 17 17 17 17	-11-24- bytes, -11-24- bytes, -03 (03 (03 (03 (03 (03 (03 (03 (-V1.2 , 1 1 1 , 1 1 1 1	2 hex range, 2 hex range, 2 hex range, 00 00 00 00 00 00 00 00 00 00 00 00 00	2) fter	= 0x1 = 0x1 = 0x1 = 0x1 = 0x1 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x3 = 0x1 = 0x1	00863,4 00863,4 00863,4 00 00 00 00 00 00 00 00 00 00 00 00 00	B3) B3) 00 00 00 00 00 00 00 00 00 00 00 00 00	عن 3D 17 17 17 17 17 17 17 17 17	02 03 03 03 03 03 03 03 03 03 03 03				Comp	01 11 03 03 03 03 03 03 03 03 03 03	90 90 90 90 90 90 90 90 90 90 90 90 90 9	00 00 00 00 00 00 00 00 00 00 00 00 00		395	a† 		- 4	• • • • • • • • • • • • • • • • • • •