Explay PN 935

Кнопка включения (принцип работы)



Принцип работы кнопки включения – замыкание диагональных контактов

Красные или синие... Если у вас хотя бы два диагональные контакта живы, то смело ставьте кнопку и навигатор включится



Точки восстановления работоспособности включения (если прозвонить);

Напоминаю кнопка (стандартная замыкает диагонально)

EXPLAY PN935 WinCe 6 ТОЛЬКО ДЛЯ ПЛАТЫ ВЕРСИИ V3.0, для <u>2.0 НЕ РАБОТАЕТ</u>

Навигатор стал неправильно работать, тормозить, неправильно отображать координаты в навигационной программе или просто висит на заставке?

Данная модель не прошивается с карты памяти на прямую а только с использованием компьютера и программы - ATLASMGR_5.8.7z

Чтобы прошить данное устройство нам необходимо полностью зарядить прибор.

Скачать комплект восстановления прибора.

Отформатировать карту памяти (желательно 2 GB в FAT) хотя в практике прошивался и с 4 GB карты.

На чистую карту памяти поместить файлы прошивки Chain.bin NK.bin TINYNK.bin chain.lst

Вставить карту памяти в навигатор, подключить прибор к компьютеру используя кабель (USBminiUSB)

ВВОД ПРИБОРА В СЕРВИСНЫЙ РЕЖИМ

 Нажимаем кнопку включения прибора и держим ее нажатой, делаем ресет (жесткая перезагрузка) прибору и удерживая кнопку включения ждем появления заставки, кнопку держим..Далее экран потухнет и снова включится с запросом перехода в сервисный режим.

2. Кнопку отпускаем и снова коротко нажимаем и стилусом тычем в область экрана. Должна появиться надпись о переходе прибора в сервисный режим для процесса обновления. Компьютер должен определить новое устройство и запросить установку драйверов.

3. Выбираем пункт (из указанного места) и в проводнике указываем путь к папке - ATLASMGR_5.8.7z

и нажимаем установить драйвер.

4. Запускаем программу - ATLASMGR_5.8.7z

Выбираем скорость -9600 режим USB

Нажимаем кнопку - OPEN

В программе побежит командное соединение с прибором (панель слева)

Open	Target Media	Update Functions	USB Terminal	_
Transport	Atlas CS0	Update NBOOT	IsValidMBR: MBR sector = 0x880	
USB	C Atlas CS1	U. I.V. PP. V. I	UpenPartition: Partition Exists=Ux1 for part Ux12.	
C RS232	C Atlas CS2	Update EBoot	EBoot Loader Version: V1.2.5	
C JTAG	C Atlas CS3	Update NandXIP	Ethernet Boot Loader Configuration:	ļ
.	Jtag Configure	Lodate DM	1) IP address : 0.0.0.0	
9600 bps 🔄 💌	FlashType		Subnet mask: 0.0.0.0 2) Boot delay: 10 seconds	
Select Chip		Update NK Image	3) DHCP: ENABLED	
ATLAS 💌	MILC NOF		4) Max Bad blocks reserved: 10 5) Startup image: LAUNCH EXISTING	
NorFlash Type:	SST_39LVVF040	-	6) Program RAM image into Boot Media: ENABLED	
			7) MAČ address: 00:00:00:00:00	
Setting GPIU P	HELUAD Value for Jrag		9) Format Boot Media for BinFS	
1st Value L	OW - Group NONE	▼ Pins NONE ▼		
2nd Value	Ow - Group NONE	✓ Pins NONE ✓	B) UPDATE logo from SD/MMC card	
3rd Value	OW 🕶 Group NONE	▼ Pins NONE ▼	C) Format HIVE Partition	
Dump Function	s		D) DOWNLOAD image now E) Set Clock	
Dump Nar	ndElash Blocks	Dumo NROOT	F) Low-level FORMAT Boot Media	
	la Chile as	banp ribbo r	L) LAUNCH existing Boot Media image	
	ie unip or	Dump EBROT	U) Using SiRFSoCMgr to download NK image	
From 0	To	Domp CD001111	I) DOWNLOAD image via USB RNDIS Ethernet	
Sustem Informa	tion		[R] LAUNCH existing Boot Media image via USB RNDIS KITL M) StaticStore EAT partition (type 0x12) occupied percent: 4%	
oyacan mianid	uon			
			len d	
			mput.	

Текст:

IsValidMBR: MBR sector = 0x880

OpenPartition: Partition Exists=0x1 for part 0x12.

EBoot Loader Version: V1.2.5

Ethernet Boot Loader Configuration:

- 1) IP address : 0.0.0.0
- Subnet mask: 0.0.0.0
- 2) Boot delay: 10 seconds
- 3) DHCP: ENABLED
- 4) Max Bad blocks reserved: 10
- 5) Startup image: LAUNCH EXISTING
- 6) Program RAM image into Boot Media: ENABLED
- 7) MAC address: 00:00:00:00:00:00
- 8) Bluetooth address: 00:00:00:00:00:00
- 9) Format Boot Media for BinFS

A) UPDATE image from SD/MMC card

- B) UPDATE logo from SD/MMC card
- C) Format HIVE Partition
- D) DOWNLOAD image now
- E) Set Clock
- F) Low-level FORMAT Boot Media
- L) LAUNCH existing Boot Media image
- S) Save Configuration and Exit
- U) Using SiRFSoCMgr to download NK image
- I) DOWNLOAD image via USB RNDIS Ethernet

R) LAUNCH existing Boot Media image via USB RNDIS KITL

M) StaticStore FAT partition (type 0x12) occupied percent: 4%

N) Read-Only User FAT partition (type 0x12): Writable

V) Image check sum

T) Debug NandFlash

Q) Dump Flash

G) Upload Bootloader

Z)z write BootCfg ConfigFlags,Z watchdog

X) Launch monolithic image from SD/MMC card in slot1

Далее выбираем пункт - *A) UPDATE image from SD/MMC card* - это обновление прошивки прибора с карты памяти..

A) UPDATE image from SD/MMC card 🔹

Для того чтобы выбрать этот пункт в командной строке вводим символ – 👌

1	×
Input:	

и нажимаем на клавиатуре – ENTER

После этого в прогресс баре командной сроке пробегут отчеты по произведенной операции с прибором, и появится новое меню с выбором функций.

Open Target Media Update Functions Transport				1	AtlasMgr 5.8
Transport C Atlas CS0 Update NB00T T) Debug NandFlash C Atlas CS1 Update NB00T Q) Dump Flash C Atlas CS2 C Atlas CS3 Update EBoot Q) Dump Flash C Atlas CS3 Update NandXIP Q) Dump Flash Q) Dump Flash Jtag Configure Update NandXIP Q) Dump Flash Q) Dump Flash Jtag Configure Update NA Dupdate NK.Image Enter your selection: a Select Chip FlashType Update NK.Image SD(CIK=50000000, Ratio=4), PWR_PRF_RATIC Select Chip MLC NorF Update NK.Image SD(CIK=50000000, Ratio=4), PWR_PRF_RATIC NorFlash Type: SST_39LVVF040 V SDD(D) DILE Success! Setting GPI0 PRELOAD Value for Jtag VILE VILE SUCCESS! SDMMC_Init success! 1st Value LOW Group Pins NONE Dump Functions Dump NB00T Pins NONE INONE Dump Whole Chip or To 0 Dump EB00T Itil be errors! Vice versa. Here you have three or		USB Terminal	Update Functions	🗆 Target Media ——	Open
● USB C Attas CS1 ● RS232 C Attas CS2 ● JTAG C Attas CS2 ● JTAG C Attas CS3 □ Jtag Configure Update NandXIP □ Jtag Configure Update DM □ Select Chip FlashType C MLC NorF Update NK Image NorFlash Type: SST_39LVVF040 Setting GPI0 PRELOAD Value for Jtag UNNE ▼ 1st Value LOW ▼ Group Dump Functions Dump NONE ▼ Dump Functions Dump NB00T Dump Whole Chip or To D To D Dump EB00T	<u>^</u>	T) Debug NandFlash	Update NBOOT	🕼 Atlas CS0	Transport
C RS232 C Atlas CS2 Dpdate Eb000000 RS232 C Atlas CS3 Update NandXIP Update DM Z)z write BootCfg ConfigFlags.Z watchdog Select Chip Jtag Configure Update DM Dpdate Eb0000000, Ratio=4), PWR_PRF_RATIC Select Chip FlashType Update NK Image Enter your selection: a Solect Chip MLC NorF Update NK Image PWR_CLK_SWITCH=0x65 NorFlash Type: SST_39LVVF040 Image Continue Solect CMD_GO_DLE Success! Setting GPIO PRELOAD Value for Jtag SDMMC_Init success! CMD2_ALL_SEND_CID Success! Sold CardType = 0x3 SDMMC_Init success! SDMMC_Init success! Yard Value LOW ▼ Group Pins NONE ▼ Dump Functions Dump NB00T Pins NONE ▼ Dump Whole Chip or To D Dump EB00T Umm Kit/P image in SD card. If you select to doenloa		G) Upload Bootloader	Lindsta E Post	C Atlas CS1	USB
Atlas CS3 Update NandKIP Jtag Configure Update DM Update DM Update DM Update DM Update DM Update DM Update NK Image Enter your selection: a SD[CIk=50000000, Ratio=4), PWR_PRF_RATIC PWR_CLK_SWITCH=0x65 Eboot SDMMC card is detected! Eboot CMD0_G0_DLE Success! Eboot CMD0_G0_DLE Success! Eboot CMD0_G0_DLE Success! Eboot Dus_power Success! CMD2_ALL_SEND_CID Success! CMD2_ALL_SEND_CID Success! GSC_CardType = 0x3 SDMMC_Init successfully INOW Group NONE Pins NONE Ins Ins Ins NONE Ins NONE Ins	n slot1	Z)z write BootCfg ConfigFlagsZ watchdog X) Launch monolithic image from SD/MMC card in slot1		C Atlas CS2	C RS232
✓ Jtag Configure 9600 bps ✓ FlashType Update DM Select Chip ✓ ATLAS ✓ NorFlash Type: SST_39LVVF040 Setting GPI0 PRELOAD Value for Jtag ✓ Setting GPI0 PRELOAD Value for Jtag ✓ Ist Value LOW ✓ Group NONE ✓ Pins NONE ✓ Jard Value LOW ✓ Group Pins Dump Functions Dump NB00T I kill be errors! Vice versa. I your Monolithic or MultiXIP image in SD card. Place on Jump EB00T			Update NandXIP	C Atlas CS3	C JIAG
Select Chip	_0u4	Enter your selection: a	Update DM	Jtag Configure	• • • • • • • • • • • • • • • • • • •
ATLAS MLC NorF Update NK Image Eboot SDMMC card is detected! Eboot CMD0_G0_IDLE Success! Eboot CMD0_G0_IDLE Success! Eboot Daw Success! CMD2_ALL_SEND_CID Success! card_initialize! Sourcess! CMD2_ALL_SEND_CID Success! card_initialize Success! vour Monolithic or MultXIP image in SD card. Pleat vour Monolithic or MultXIP image in SD card. Pleat twill be errors! Vice versa. Here you have three or !! twill be errors! Vice versa. Here you have three or !! twill be errors! Vice versa. Here you have three or !! twill be errors! Vice versa. 	-0.44,	PWR_CLK_SWITCH=0x65		SLC NandF	Select Chin
NorFlash Type: SST_39LVVF040 Setting GPI0 PRELOAD Value for Jtag Setting GPI0 PRELOAD Value for Jtag 1st Value LOW 2nd Value LOW Group NONE Pins NONE 3rd Value LOW Group NONE Pins NONE Dump Functions Dump NB00T Dump Whole Chip or Dump EB00T To Dump EB00T		Eboot SDMMC card is detected! Eboot Card initialize!	Update NK Image	C MLC NorF	ATLAS -
Setting GPIO PRELOAD Value for Jtag 1st Value LOW Group NONE NONE Pins NONE SDMMC_Initialize Success! 2nd Value LOW Group NONE Pins NONE 3rd Value LOW Group NONE Pins NONE Dump Functions Dump NB00T I Now we try to update image from SD card. Pleat inage in SD card to it ctory. Note here you must place only Monolithic it image in SD card, if you select to doenloaa i lithic image and put MultiXIP image in SD card, if you select to doenloaa i lithic image and put MultiXIP image in SD card, if you select to doenloa i lithic image and put MultiXIP image in SD card, if you select to doenloa i lithic image and put MultiXIP image in SD card, if you select to doenloa i lithic image and put MultiXIP image in SD card, if you select to doenloa i lithic image and put MultiXIP image in SD card, if you select to doenloa i lithic image and put MultiXIP image in SD card, if you select to doenloa i lithic image and put MultiXIP image in SD card, if you select to doenloa i lithic image in SD card, if you select to doenloa i lithic image and put MultiXIP image in SD card, if you select to doenloa i lithic image and put MultiXIP image in SD card, if you select to doenloa i lithic image and put MultiXIP image in SD card, if you select to doenloa i lithic image and put MultiXIP image in SD card, if you select to doenloa i lithic image and put MultiXIP image in SD card, if you select to doenloa i lithic image in SD card. If you select to doenloa i lithic image in SD card. If you select to doenloa i lithic image in SD card. If you select to doenloa i lithic image in SD card. If you select to doenloa i lithic image in SD car		Eboot CMD0_G0_IDLE Success!	•	SST 39LVVE040	NorFlash Type:
Setting GPI0 PRELOAD Value for Jtag 1st Value LOW Group NONE Pins NONI SDMMC_Initialize Success! 2nd Value LOW Group NONE Pins NONI NONI 3rd Value LOW Group NONE Pins NONI Journo Functions Pins NONE Dump NandFlash Blocks Dump NB00T Ithic image in SD card. If you select to doenloa Ithic image and put MultiXIP image in SD card. Pump EB00T Ithic image and put MultiXIP image in SD card. If you select to doenloa		CMD2_ALL_SEND_CID Success!		1	
1st Value LOW Group NONE Pins NONE SDMMC_Init successfully 2nd Value LOW Group NONE Pins NONE Init successfully 3rd Value LOW Group NONE Pins NONE Init successfully Dump Functions		card_initialize Success! loSd CardTvpe = 0x3		ELOAD Value for Jtag	Setting GPIO PF
2nd Value LOW ▼ Group NONE ♥ Pins NONE ▼ Immunity 3rd Value LOW ▼ Group NONE ♥ Pins NONE ▼ I Now we try to update image from SD card. Pleat your Monolithic or MultX/IP image in SD card rol Dump Functions		SDMMC_Init successfully	▼ Pins NONE ▼		1st Value LO
3rd Value LOW → Group NONE → Pins NONE → I Now we try to update image from SD card. Pleat your Monolithic or MultiXIP image in SD card. I your Monolithic Dump NandFlash Blocks Dump NandFlash Blocks Dump NB00T I thic image and put MultiXIP image in SD card. I you select to doenloa Dump Whole Chip or Dump EB00T I thic image and put MultiXIP image in SD card. I you select to doenloa			Pins NONE	Group NONE	2nd Value LO
Dump Functions I ctory. Note here you must place only Monolithic Dump NandFlash Blocks Dump NB00T Dump Whole Chip or I thic image and put MultXIP image in SD card, I will be errors! Vice versa. Here you have three or To Dump EB00T Dump EB00T	se ensure It dire-	I Now we try to update image from SD card. Please ensure	Pins NONE	w <u>→</u> Group NONE	3rd Value LO
Dump NandFlash Blocks Dump NB00T I tkiP image in SD Card. If you select to doenloa Dump Whole Chip or. I lithic image and put MultiXIP image in SD card, I will be errors! Vice versa. Here you have three of 1 MultiXIP.	or Mul-	I ctory. Note here you must place only Monolithic or Mul-			Dump Functions
Dump Whole Chip or.	I Mono- here	I lithic image in SD card. If you select to doenload Mono-	Dump NBOOT	Flash Blocks	Dump Nano
Dump EBUUT	hoice:	I will be errors! Vice versa. Here you have three choice:		Chip or	🔲 Dump Whole
From 0 10 0		2 Monolithic	Dump EBUUT	0	From 0
Sustem Information		9 Give up to download image	3	n	- Sustem Informati
			~		oyotoni mionida

Текст команд:

Enter your selection: a SD(Clk=5000000, Ratio=4), PWR_PRF_RATIO=0x4, PWR_CLK_SWITCH=0x65 Eboot SDMMC card is detected! Eboot Card initializel! Eboot CMD0_GO_IDLE Success! Eboot bus_power Success! CMD2_ALL_SEND_CID Success! card_initialize Success! gSd_CardType = 0x3 SDMMC Init successfully

В командной строке выбираем команду - ! 1 ----- MultiXIP I Now we try to update image from SD card. Please ensure I your Monolithic or MultXIP image in SD card root dire-I ctory. Note here you must place only Monolithic or Mul-I tXIP image in SD card. If you select to doenload Mono-I lithic image and put MultXIP image in SD card, there I will be errors! Vice versa. Here you have three choice: I ----- MultXIP • I 2 ----- Monolithic I 9 ----- Give up to download image

В командной сроке вбиваем символ – 1 и ENTER на клавиатуре Начнется процесс прошивки прибора, на экране навигатора отобразится прогресс бар обновления прошивки навигатора.

НИЧЕГО НЕ ТРОГАЕМ ДО ПОЛНОГО ОБНОВЛЕНИЯ !!!

Процесс обновления будет закончен, когда навигатор загрузится в меню (стандартное меню с кнопками)

В программе отобразится успешное выполнение операции по обновлению программного обеспечения прибора.

AtlasMgr 5.8	8.7			
Open	Target Media	Update Functions	USB Terminal	
Transport	Atlas CSO	Update NBOOT	ID[2] {	(
USB	C Atlas CS1	The data of the set	dwSignature: 0x0	
C RS232	C Atlas CS2		String: "	
C JTAG	C Atlas CS3	Update NandXIP	dwimage i ype: uxu dwTtlSectors: 0x0	
9600 bps 💌	Jtag Configure	Update DM	dwLoadAddress: 0x0 dwJumpAddress: 0x0 dwStartBlock: 0x0	
Select Chip	SLC NandF	Update NK Image	dwStoreOffset: 0x0	
ATLAS 💌	C MLC NorF		chainInfo.dwLoadAddress: 0x8C004000	
NorFlash Type:	SST_39LVVF040	•	chainInfo.dwFlashAddress: 0x00002681	
Setting GPIO PF 1st Value LC 2nd Value LC 3rd Value LC	RELOAD Value for Jtag DW Group NONE DW Group NONE DW Group NONE	 Pins NONE Pins NONE Pins NONE 	nandxipInfo.dwCopies; 2 nandxipInfo.dwCopies; 2 nandxipInfo.dwCopies; 2 nandxipInfo.dwCopies; 32 nandxipInfo.dwCopies; 2 secureBlock.dwStartBlock; 10 secureBlock.dwStartBlock; 10 bNewNFDrvEnabled; 0	
- Dump Functions	s		dwimageBlocks: 0x000001A0	
Dump Nan	idFlash Blocks	Dump NBOOT	}	
Dump Whol	e Chip or		Jumping to image at virtual address 0x93D01000h	ſ
From 0	Tolo	wantp the day that	Divisely such Address 0. C7D01000h	
System Informat	tion		III Physical Launch Address: UXL7D01000h	ļ
	10.07	~		
			Input:	
		~		

Отключаем прибор от компьютера, вынимаем карту памяти с прошивкой. Все процесс прошивки окончен...