SPD MODULE INFO AND HINTS

USB Connect :

- Powered Off Phone :
- 1. Insert battery
- Press and hold "VolumeUP" and "VolumeDown" buttons on phone and insert cable
- 3. Hold buttons until CM2 detect phone
- 4. Release buttons.

Phone Models and correct selection basics :

SPD module can handle phones with 3 different methods :

- Generic Loaders (SC7715/SC7730/SC7731/SC5735)
- SLDR packs (Customized for some models support SC7715/SC7730/SC7731/SC7735/SC8830/SC5735)
- PAC files (Factory Flash File Set support SC7715/SC7730/SC7731/SC7735/SC8830/SC5735)

If PAC file selected – SPD module will use it as base for work with phone!

This not make any problems , select PAC/SLDR file for non-target model , because CM2 use only some info from it, which need to init phone HW in boot mode. Rest things it does after by auto detecting phone parameters. In other words – IT COMPLETELY SAFE for phone.

WARNING!!! DO NOT FLASH IN PHONE FW, WHICH NOT DESIGNED FOR IT!

It is only one case, when you should use suitable PAC file.

SPD Module

Generic Loaders :

• Select CPU and FlashType (if need)



Info : Generic loaders support limited count of phones!

SLDR Packs :

SLDR is small package, which enough to operate with models , for which they are designed. Due extra small size and support some count of models by one loader – they are good variant, which not require hold/seek factory FW.

• Select CPU : SP SC77xx [Model Select]

| 🗞 Chinese Miracle II (SpreadTrum Module , ver 1.02) |) by Infinity-Box Team (c) 2015 | |
|---|---|---|
| File Settings | | |
| Log | Varning Vou should select SLDR or PAC file to work in that model PAC select must be done in "FLASH" tab OK | Flash User Data 7xx [Model Select] Smart Detect (Auto) Scan Scan |
| | 0% CPU : SPD6530_SPD6500 | READY USB 19:59:55 |
| Chinese Miracle II (SpreadTrum Module , ver 1.02 | 2) by Infinity-Box Team (c) 2015 | |
| <u>File</u> <u>Settings</u> | | |
| Log | Settings Servic | ce Flash User Data |
| | Bin [IFSP | FullFlash] |
| | | Bin |
| | • | PAC |
| | Settings | |
| | Factory S | Settings Skip NV |
| | | |
| | | Flash |
| | Read Back | Flash |
| | Read Back | Flash Read Full Make IFSP Make Calibration [NV] |
| | Read Back | Flash Read Full Make IF5P Make Calibration [NV] |

Select "Flash" Tab and press "PAC" button.

| In selection window select filter "C | M2Model Files" |
|--------------------------------------|----------------|
|--------------------------------------|----------------|

| Chinese Miracle II (SpreadTrum Module , ver 1.02) | by Infinity-Box Team (c) 2015 | States and a state of the state | |
|---|---|--|-----------------------|
| File Settings | | | |
| Log 🌮 Open PACKED | file | | Data |
| Пап <u>к</u> а: | ↓ CM2SPD_v1.02 | G 🏚 📂 🛄 - | |
| (Particular States) | Имя | Дата изменения Тип | Bin |
| | 🕌 Boot | 28.06.2015 16:44 Nan | касф РАС |
| Недавние | \mu Flash | 28.06.2015 20:03 Пап | касф |
| места | \mu Models | 28.06.2015 20:03 Пап | касф 🥫 NV |
| | 퉬 phdata | 28.06.2015 19:53 Пап | касф |
| Рабоший стол | 🕌 Read_out | 28.06.2015 19:53 Nan | ка с ф |
| Padoquiu cion | | | Flash |
| Библиотеки | | | |
| A | • | | • |
| Компьютер | <u>И</u> мя файла: | ▼ <u>О</u> ткрыта | Manual Name Define |
| | <u>Т</u> ип файлов: CM2Model files (*.sldr) | - Отмена | Make IFSP |
| | PACKED files (*.pac) | | Make Calibration [NV] |
| | CM2Model files (".sidr) | | |
| | 0% | | |
| | CPU : SP SC77xx [Model Se | lect] | READY USB 20:03:48 |
| | <u>_</u> | | Select need file |
| | | | : |

| CRED | inc. | | | |
|---------------|--------------|------------------------------|------------------|-----------|
| п <u>к</u> а: |) Models | • | G 🤌 📂 🖽 - | |
| | Имя | * | Дата изменения | Тип |
| _ | Intex_Aqua30 | 6+_SC7715_eMMC.sldr | 28.06.2015 16:53 | Файл "SLI |
| e | | | | |
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| ки | | | | |
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| | • | m | | • |
| ер | Имя файла: | Intex_Aqua3G+_SC7715_eMMC.sk | dr 👻 🗖 | ткрыть |
| | Тип файлов: | CM2Model files (*.sldr) | | Отмена |
| | | Только <u>ч</u> тение | | |

Select need file

:

On success load CM2 will show file info and supported model list :

| Chinese Miracle II (SpreadTrum Module , ver 1.02) by Infinity-Box Team (c) 2015 | |
|---|----------------------------------|
| <u>Eile</u> <u>S</u> ettings | |
| | Settings Service Flash User Data |
| BB CPU : SC7715 | Bin [IFSP FullFlash] |
| Aqua3G+ [eMMC 4GIB] [KAM 512MIB] | Bin |
| For disable SLDR - select PAC or other SLDR or re-select CPU in settings tab! | |
| | • PAC |
| | Settings |
| | Factory Settings Skip NV |
| | |
| | Flash |
| | |
| | |
| | |
| | |
| | |
| | Read Back |
| | Manual Name Define |
| | Read Full Make IFSP |
| | Make Calibration [NV] |
| 0% | |
| CDU - SD SC77w (Madel S | Pert PEADV LICP 20:07:05 |
| | IECUJ INCADY 038 20:07:03 |

Now you can perform need service operations.

For disable SLDR file – you can just re-select CPU in Settings tab or Press "**PAC**" button in "**Flash**" tab and cancel after on file selection.

PAC files :

By having PAC file for your model (even if it have some different revision and e.t.c.) you can use it as base file for service operations. CM2 uses safe method to work with phone in all operations, except "**Flash**", when PAC will be flashed in phone. Make sure about you select correct PAC file for your model, before flash phone.



Press "PAC" button in "Flash" tab, select file filter to "PACKED Files"

On success load CM2 will show file info :

| 🗞 Chinese Miracle II (SpreadTrum Module , ver 1.02) by Infinity-Box Team (c) 2015 | |
|--|--|
| <u>File</u> <u>S</u> ettings | |
| Log Loading : Intex_Aqua_3G+_V12_Indian_SER.pac CRVersion : BP_R1.0.0 PacCPUinfo : SC775x_16 PacVersion : Intex_Aqua_3G+_V12_Indian_SER FastCheck : 0x1EC89D9D | Settings Service Flash User Data Bin [IFSP FullFlash] Bin Bin Data Bin |
| Loading files File : fdl1.bin File : fdl2.bin File : nvitem.bin File : nvitem.wcn.bin File : nvitem.ycn.bin File : u-boot-spl-16k.bin File : SC7702_sc7715_modem.bin File : SC7702_sc7715_modem.bin File : SP DM G2.bin | Settings Skip NV |
| File : \$C8800G_sc7715_wcn_modem.bin File : booLing File : recovery.ing File : system.ing File : userdata.ing File : logo.bmp File : logo.bmp File : cache.ing File : u-boot.bin | Read Back |
| Hie : SC//xx_16.xml Load Ok! | Read Full Read Full Make IFSP Make Calibration [NV] |
| 0% | |
| CPU : SP SC77xx [Model Select] | READY USB 20:13:46 |

Now you can do need operations.

Before press "Flash" button – make sure about you select correct PAC file.

Service Mode Operations :

For service mode operations with SC7715/SC7730/SC7731/SC8830/SC5735 need just USB cable. No any additional "**service**" or "**boot**" cable and files. Just select any **SC77xx** in "**Settings**" tab and do "**Repair Security**" or "**Read Info**" in service mode. Follow software instructions to connect phone.

| 🗞 Chinese Miracle II (SpreadTrum Module , ver 1.02) by Infinity-Box Team (c) 2015 | |
|---|------------------------------------|
| Eile Settings | |
| Log | Settings Service Flash User Data |
| Operation : Repair Security [v1.02] | Main |
| 1. Remove battery. Incert battery back | Read in Boot |
| 2. Insert cable | Check/Info Format FS / Reset Phone |
| | Read in Service |
| ==== Wait for phone | |
| Phone found! [96] | Security |
| Port Opened | IMEI1: 86000340903489 |
| Sync ThitSvc Done | |
| Wait for phone | IFICIZ: 86908534098905 |
| Sync | IMEI3: |
| Phone Initial Info: Platform : MOCOPTM 14B TSHAPK28 W14415 Debug | IMEI4: |
| Project : sc7730g_CP0_modem | |
| HWInfo :sc7730g_CP0_modem | BTad: 020304050607 |
| Compile : 10-10-2014 16:22:11 Phone Security Info : | WiFi : |
| IMEI [1]: 860007856457647 | |
| IMEI [2]: 860007856457662 | NV / Full Donain |
| BT ADDR : 00000000000 Read Okt | Repair |
| Write new security data : | Read NV |
| IMEI1:860003409034892 | Repair NV/FFS/Link |
| IMET2:869085340989053 | |
| Write done! | Write IIV |
| Elapsed: 00:00:31 | |
| | |
| 0% | |
| CPU : SP SC77xx [Model Sele | t] READY USB 20:20:19 |

Additional info : BT/WiFi MAC address CAN'T be read in service mode. But possible write them as well, just select need fields and fill data.