



## **P90 first download App files manul**

You should read this file when you got a new POS device. It may only contain the SMT app or have no Main App & secondary App, so you can not download the app files by SDM command directly. You need to follow this file for your first downloading. --- Geng Chengyang, 2019-02-18

## 1. download main app and secondary app

1. Open the cmd.exe with system administrator authority, and change your directory to the QR\_BASE root directory.
2. Connect your device and run the bat file named "002\_Download\_P90\_First.bat" for downloading the Main App and Second App file with fastboot commands after compiling.

See the following figure:

```
D:\Workspace\project\QR_BASE>ls
000_clean.cmd          006_ResetSDM.bat      011_PullResource-SDM.cmd  cmd.exe
002_Download-SingleMainApp.bat  008_SetLogo.cmd      011_PullResource.cmd     config
002_Download-SpUpdateApp.bat   009_PushFont-SDM.cmd  013_PushGBKMap-SDM.cmd   configure.py
002_Download.bat             009_PushFont.cmd      013_PushGBKMap.cmd       doc
002_DownloadSecondAPP_P90.bat  '010_PushResource - SP.cmd'  014_FormatFileSystem.cmd  envsetup.cmd
002_Download_App_P90.bat      '010_PushResource - resource.cmd'  015_PushSysLang-SDM.cmd  model.py
002_Download_App_QR.bat       010_PushResource-Params-SDM.cmd  015_PushSysLang.cmd      out
002_Download_P90_First.bat    010_PushResource-Params.cmd  015_PushSysLang-SDM.cmd  sdk
003_RunApp.bat               010_PushResource-SDM.cmd      CMakeLists.txt          target_image_name.cmd
004_AutoRunApp.bat           010_PushResource-SP-SDM.cmd   app                      tools
006_Reset-SDM.bat            010_PushResource-SP.cmd      bVersion.bat             upd.tmp
006_Reset.bat                010_PushResource.cmd         build.cmd
```

D:\Workspace\project\QR\_BASE>002\_Download\_P90\_First.bat

3. It is downloading the app files.

```
waiting for the device rebooting...

start downloading Main APP
-----
Opening COM3...
downloading 'app' (55 KB)...
OKAY [ 4.104s]
finished. total time: 4.104s
.

start downloading Secondary APP
-----
Opening COM3...
init file system...
OKAY [ 8.510s]
finished. total time: 8.510s
Opening COM3...
Push file '.\out\P90_base_Release_1.0.0_190218_signed.img' (591563 Byte)...
.

run APP
-----
Opening COM3...
running...
OKAY [ 1.233s]
finished. total time: 1.233s
.

=====
mmmm  mm  mmm  mmm
#  #  #  #  #  #
#mm#  #  #  #mm#  #mm#
#  #mm#  "mm#"  "mm#"
#  #  #  "mm#"  "mm#"
=====
D:\Workspace\project\QR_BASE>
```

4. Download finish.

```
start downloading Secondary APP
-----
Opening COM3...
init file system...
OKAY [ 8.510s]
finished. total time: 8.510s
Opening COM3...
Push file '.\out\P90_base_Release_1.0.0_190218_signed.img' (591563 Byte)...
OKAY [ 73.882s]
finished. total time: 73.882s
Opening COM3...
Push file '.\upd.tmp' (60 Byte)...
OKAY [ 0.985s]
finished. total time: 0.985s
.

run APP
-----
Opening COM3...
running...
OKAY [ 1.233s]
finished. total time: 1.233s
.

=====
mmmm  mm  mmm  mmm
#  #  #  #  #  #
#mm#  #  #  #mm#  #mm#
#  #mm#  "mm#"  "mm#"
#  #  #  "mm#"  "mm#"
=====
D:\Workspace\project\QR_BASE>
```

## 2. download font library

1. You need to download all the font again after the apps done.

QR_BASE > tools > ziku			
名称	修改日期	类型	大小
asc_16x8	2019/2/15 14:14	文件	2 KB
asc_16x8_B	2019/2/15 14:14	文件	2 KB
asc_24x12	2019/2/15 14:14	文件	5 KB
asc_24x12_B	2019/2/15 14:14	文件	5 KB
gbkunicodemap	2019/2/15 14:14	文件	86 KB
hz_16x16	2019/2/15 14:14	文件	277 KB
hz_16x16_B	2019/2/15 14:14	文件	277 KB
hz_24x24_B	2019/2/15 14:14	文件	622 KB
hzk24s	2019/2/15 14:14	文件	576 KB
ReadMe.md	2019/2/15 14:14	MD 文件	1 KB
wzk24s	2019/2/15 14:14	文件	12 KB

2. Run the cmd file named "009\_PushFont-SDM.cmd".

```
D:\Workspace\project\QR_BASE>ls
000_clean.cmd          006_ResetSDM.bat      011_PullResource-SDM.cmd  cmd.exe
002_Download-SingleMainApp.bat  008_SetLogo.cmd       011_PullResource.cmd     config
002_Download-SpUpdateApp.bat    009_PushFont-SDM.cmd  013_PushGBKMap-SDM.cmd   configure.py
002_Download.bat              009_PushFont.cmd      013_PushGBKMap.cmd       doc
002_DownloadSecondAPP_P90.bat  '010_PushResource - SP.cmd'  014_FormatFileSystem.cmd  envsetup.cmd
002_Download_App_P90.bat       '010_PushResource - resource.cmd'  015_PushSysLang-SDM.cmd  model.py
002_Download_App_QR.bat        010_PushResource-Params-SDM.cmd  015_PushSysLang.cmd      out
002_Download_P90_First.bat     010_PushResource-Params.cmd    015_PushSysLang-SDM.cmd  sdk
003_RunApp.bat                010_PushResource-SDM.cmd       CMakeLists.txt          target_image_name
004_AutoRunApp.bat            010_PushResource-SP-SDM.cmd     app                      tools
006_Reset-SDM.bat             010_PushResource-SP.cmd        bVersion.bat             upd.tmp
006_Reset.bat                 010_PushResource.cmd          build.cmd

D:\Workspace\project\QR_BASE>009_PushFont-SDM.cmd
```

3. It is downloading the font library files.

```
D:\Workspace\project\QR_BASE>009_PushFont-SDM.cmd

-----
ENV Setup
-----

Default APP Name:  showAPP
Please modify APP_NAME in envsetup.cmd
-----

-----
Burning font library
-----

Opening COM3...
Push file 'tools\ziku\hzk24s' (588816 Byte)...
```

## 4. Download finish.

```

.
-----
Burning print font library wzk24s
-----
Opening COM3...
Push file 'tools\ziku\wzk24s' (12288 Byte)...
.....
Push Done!
2.656 seconds

Verify file hash: 0878DB0A4A27C133B3C3BC61F07E40D588D7C3E04B42BEA37767F07301C3E946
OKey
.
=====
mmmm  mm  mmm  mmm
#  "  #  ##  #  "  "  #  "  "
#mm#  #  #  "  #mm  "  #mm
#  #mm#  "  #  "  #
#  #  #  "mm#  "mm#
=====

```

### 3. Conclusion

Please use “02\_down.cmd” to finish your app files upgrading with all the follow-up development.