MPF TOOLKIT MANUAL

Function Introduction

MPF TOOL KIT is applied for software installation via wireless. With MPF TOOL KIT, it is available to install the software by mobile phone via Bluetooth 2.0. MPF TOOL KIT is also with function Bluetooth 4.0, which allowed transmitting all the data of bike to MPF server. . There are 4 lights on MPF TOOL KIT, which indicate the different function – Power, Bluetooth Connection and Data Transmitting.

MPF TOOL KIT (Fig.1)

Fig. 1

1. CONNECTION

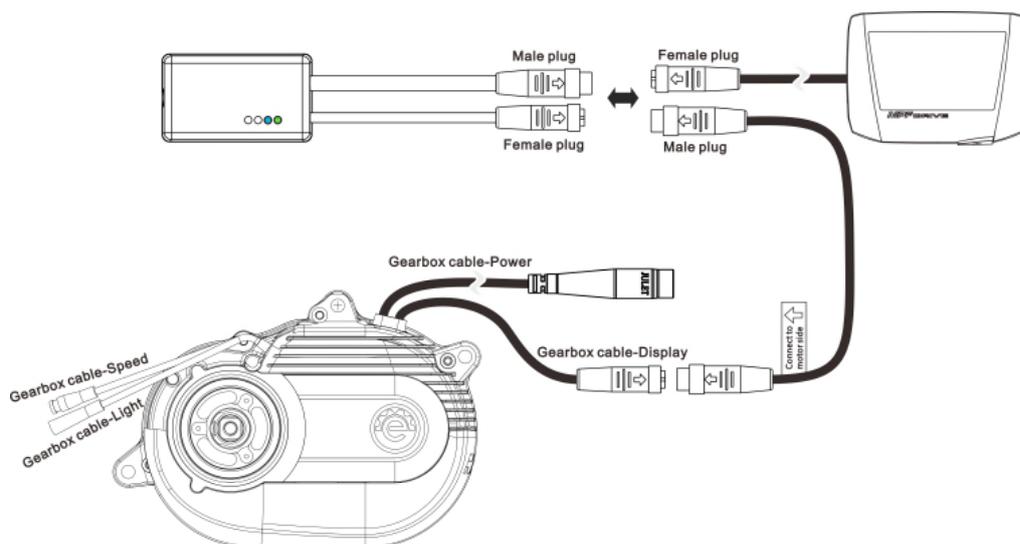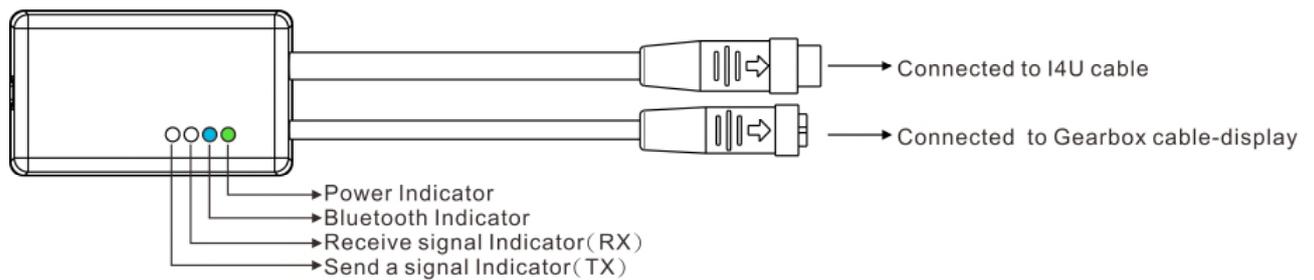1.1 Connecting MPF TOOL KIT to the MPF DRIVE motor. (Fig.2)

Fig.2

Technical modifications, changes and errors excepted

1.3 Connecting MPF TOOL KIT with phone via Bluetooth. (Fig.3)

Fig. 3

1.4 4 LED lights on MPF TOOL KIT (Fig.4)

LIGHT	COLOR	LIGHT STATUS
Power	Green	Eternal Light when power on
Bluetooth	Blue	Slow flash per 2 seconds – no connecting with Bluetooth Eternal light – connecting with Bluetooth
Signal RX	White	Flash when receiving the signal
Signal TX	White	Flash when sending the signal

Fig.4

1.5 Download App for Android via following QC code (Titled with "MPFGA")

2. PROGRAMMING MODE
2.1 Programming with bluetooth 2.0

3. PROGRAMMING VIA APP BY MOBILE PHONE
3.1 Step1. Connect to Bluetooth

3.2 Step2. Download (If the file is already saved on phone, skip step 2)

3.3 Step 3. Select the file

3.4 Step 4. Begin programming

3.1 Step 1. Connect to Bluetooth

Ensure the phone is with Bluetooth connection function and can be operated automatically.
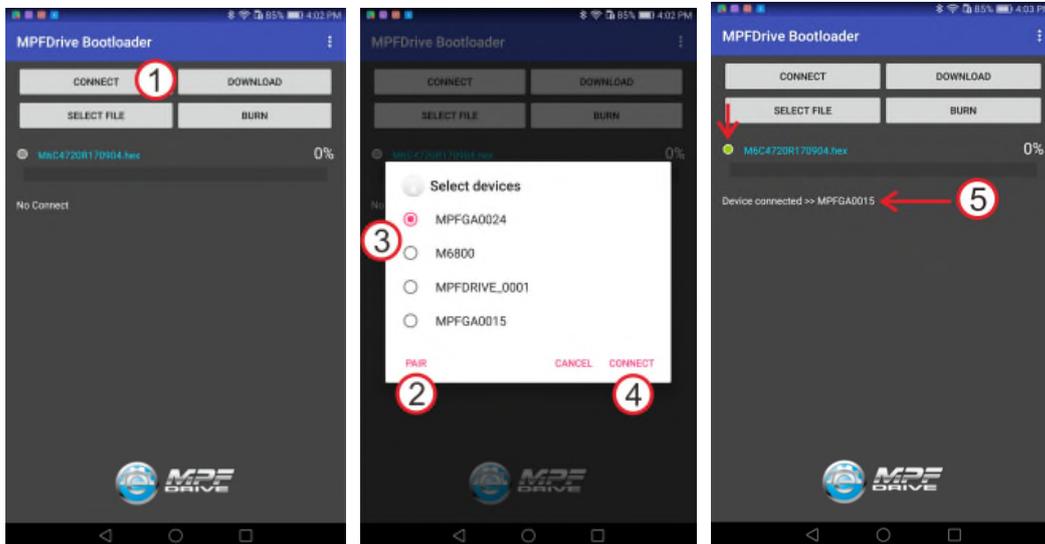
3.1.1 Click "CONNECT"

3.1.2 Select "PAIR" to pair Bluetooth (If the device is already showed on phone, skip step 2)

3.1.3 Select "Device Connection" (For example, MPFDRIVE_0005)

3.1.4 Select "CONNECT"

3.1.5 When green light on and device name showed on the screen, it means the connection success.
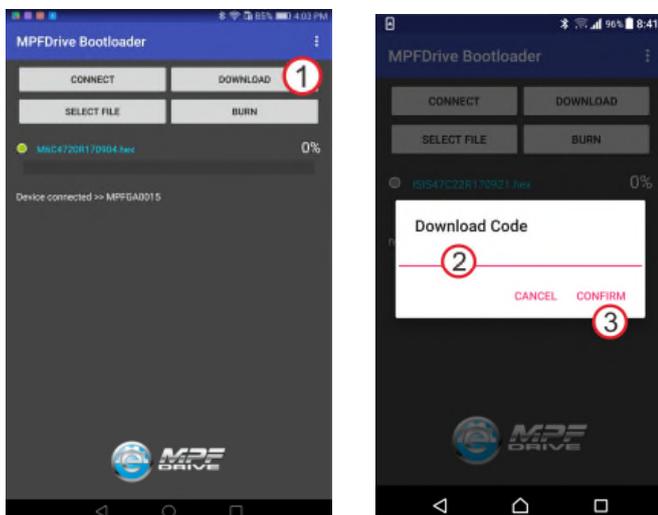

3.2 Step 2. Download (If the file is already saved on phone, skip step 2)

Ensure the internet connection is valid.

3.2.1 Click "DOWNLOAD" to download the software file.

3.2.2 Enter "LOADING CODE" (For example: ISIS47C22R170921). The correct software will exist automatically according to "LOADING CODE". (Please refer to Note. 1 and 2)

3.2.3 Click "CONFIRM" to complete loading.

Note 1: LOADING CODE will be provided by manufacturer via e-mail separately. After entering the LOADING CODE, the software will exist automatically and then the user is able to download the software to phone.
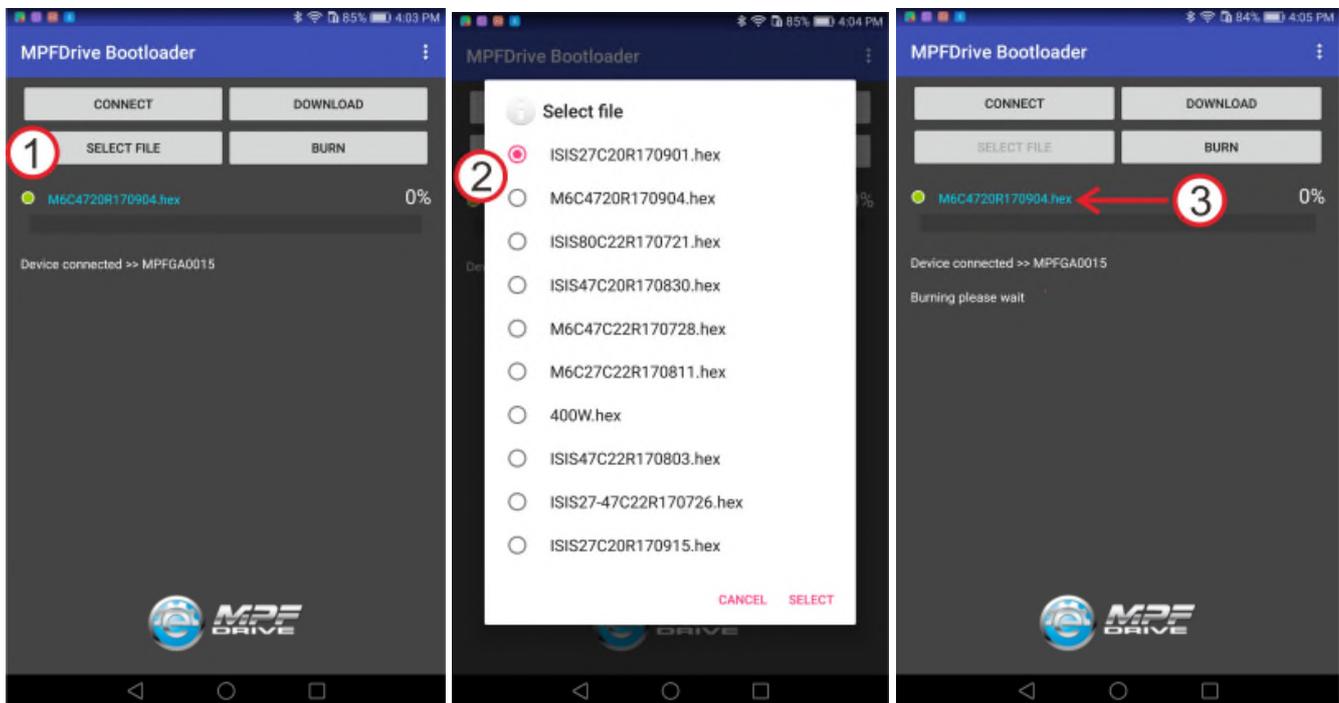
Note 2: The new software will cover the previous software if with the same file name.

3.3 Step 3. "SELECT FILE"

3.3.1 Click "SELECT FILE"

3.3.2 Select "software file with extension .hex" (Note: The system will select the last software automatically in the next start)

3.3.3 The selected software will be showed on the screen.

3.4 **Step 4. Begin programming**

3.4.1 Click "BURN" to begin programming

3.4.2 The programming percentage will be showed on the screen simultaneously.

3.3.3 When it showed 100%, it means the programming is finished and successful.

3.3.4 If it showed "burn in failure", it means the programming is failed caused by disconnection of Bluetooth or some unknown reasons. Please click "burn" to proceed programming again. If it is still failed, please contact MPF manufacturer.

Technical modifications, changes and errors excepted