



TOTALFLOW®

Technical Bulletin 62

**Procedure For Using LPX
Program**

Totalflow Technical Bulletin

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IMPORTANT NOTES:

The LPX will only communicate with the FCU through Comm port 1.

The FCU's security switch must be turned off for the "LPX" program to attach to the FCU.

The "file" name given to a FCU file cannot be longer than "8" characters.

Example: 12345678.cfg The meter "ID" used below as an example is "0011".

- 1: Attach laptop cable to comm port 1 of the laptop; attach the other end to the FCU. Start up LPX program by "clicking" on LPX.exe.
- 2: The LPX "Main Menu" will appear:

```
TOTALFLOW FCU Configure
Main Menu
1 – Read FCU Config
2 – Write FCU Config
3 – Save Config File
4 – Load Config File
5 – Comm Remote Type
Enter Menu # (0 to exit)
```

- 3: Select "1" – Read FCU Config
- 4: The following screens will appear:

```
TOTALFLOW FCU Configure
Attach to FCU

OUT:
IN:
```

If "attaching" to FCU is unsuccessful; check cable, check comm port; if successful, the following screen will appear:

```
TOTALFLOW FCU Configure
Attach to FCU

OUT: OK
IN: OK
```



After the "OK" is displayed, the following screen will appear:

TOTALFLOW FCU Configure Attach to FCU STATUS: FCU attached <ANY KEY>
--

At this indication--Depress any key

- 5: The following screen will appear:

TOTALFLOW FCU Configure: 0011 Read FCU Config OUT: IN:

As the LPX program is reading the configuration of the FCU, the following will appear on the screen:

TOTALFLOW FCU Configure Read FCU Config OUT: BAT IN: BAT

Upon completion, the LPX program will automatically switch to the next screen.

- 6: The LPX "Main Menu" screen will appear showing the meter "ID" that it has read.

TOTALFLOW FCU Configure: 0011 Main Menu 1 – Read FCU Config 2 – Write FCU Config 3 – Save Config File 4 – Load Config File 5 – Comm Remote Type Enter Menu # (0 to exit)

- 7: Select "3" – Save Config File 0011

- 8: The following screen will appear:

TOTALFLOW FCU Configure: 0011 Save FCU Config File



FILE NAME<0011 .Cfg>:

Enter the file name; remember not over 8 characters) . As in this example "0011" was entered. The file that will appear in the LPX "directory" will be "0011.cfg". NOTE: Each meter saved with LPX should have its own unique file name. The meter ID usually is sufficient. If a new file name is not chosen each time LPX is attached to a meter and the configuration is saved, the "new" configuration data will over write the "last" configuration data that was saved. Depress "enter" after typing the desired "file name".

TOTALFLOW FCU Configure: 0011

Save FCU Config File

FILE NAME<0011 .Cfg>: TYPE FILE NAME HERE..EXAMPLE.. (0011)

- 9: The following screen will appear:

TOTALFLOW FCU Configure: 0011

Save FCU Config File

FILE NAME<0011 .CFG>:

1 file (s) copied

File saved: 0011.cfg <ANY KEY>

This shows the file name as saved in the LPX Directory. (0011.cfg)

At this indication---Depress any key.

- 10: At this point, maintenance can be done to the FCU. Exit the LPX program; power down the FCU in proper sequence and perform the desired maintenance.
- 11: When maintenance is complete and the FCU is has been powered back up in proper sequence, the FCU configuration data can be uploaded from the LPX program to the FCU. It is necessary to let the FCU "cycle" through the display a couple of times before continuing.
- 12: Start up LPX program by "clicking", on LPX.exe.
- 13: The LPX "Main Menu" will appear:

TOTALFLOW FCU Configure

Main Menu

1 – Read FCU Config

2 – Write FCU Config

3 – Save Config File

4 – Load Config File



5 – Comm Remote Type
Enter Menu # (0 to exit)

14: Select “4” – Load Config File 0011

15: The following screen will appear:

TOTALFLOW FCU Configure: 0011
Load FCU Config File

<Press Enter to select file>

C:\LPX\
0011.CFG
FCU\$.CFG

Highlight the file that is to be uploaded to this FCU, by using the UP/DOWN arrow keys and depressing “enter”. Example: Highlight 0011.CFG and depress “enter”.

16: The LPX “Main Menu” will appear:

TOTALFLOW FCU Configure
Main Menu
1 – Read FCU Config
2 – Write FCU Config
3 – Save Config File
4 – Load Config File... \LPX\0011.CFG
5 – Comm Remote Type
Enter Menu # (0 to exit)

The file that was selected to be uploaded to the FCU will be shown as:

4—Load Config File ... \LPX\0011.CFG The file is now ready to be uploaded to the FCU.

17: Select “2” – Write FCU Config

18: The following screen will appear:

TOTALFLOW FCU Configure: 0011
Writing FCU Config Data
OUT:
IN:

00:00 (0) 0/3451

The LPX program will start uploading the selected file to the FCU.



- 19: When the LPX program has completed uploading the selected file to the FCU, the following screen will appear:

TOTALFLOW FCU Configure: 0011 Writing FCU Config Data 03:05 (417) 3451/3451 <V> to Verify, <ANYKEY> to Exit
--

The LPX program has completed the upload of the selected file to the FCU. Depress “any key” to “exit” to the *“Main Menu”*. **Do not select “verify”.**

- 20: The LPX *“Main Menu”* will appear:

TOTALFLOW FCU Configure: MainMenu 1 – Read FCU Config 2 – Write FCU Config 3 – Save Config File 4 – Load Config File 0011 5 – Comm Remote Type Enter Menu # (0 to exit)
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Depress the “ZERO” (0) key to exit the LPX program.

- 21: The following screen will appear:

TOTALFLOW FCU configure: 0011 End FCU Config Status: End Program <ANY KEY>
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Depress “ANY KEY” to exit the LPX program.