

Document N°:	01
Project Name:	3.5" Graphic Keypad – OTA Instructions
Model N°:	DF133
Date:	5 April 2022



Table of Contents

1 Overview	1
1 Panel Programming.....	1
1.1 TCP Setup.....	1
1.2 IP Port Setup.....	1
2 OTA Steps.....	1
2.1 Keypad Setup.....	1
2.2 Software Setup.....	2
2.3 Software Explanation	5
2.3.1 Select File	5
2.3.2 Send	5
2.3.3 Start/Stop.....	5
2.3.4 Reset	5
2.3.5 Clear Log	5
2.3.6 Exit.....	5

List of Tables

No table of figures entries found.

List of Figures

Figure 1: Keypad Update Display	2
Figure 2: Select File Display	2
Figure 3: Port Selection Display	3
Figure 4: Block Size Display	3
Figure 5: Delay Display	3
Figure 6: Hostname Display	4
Figure 7: OTA Block Diagram.....	4

Document N°:	01
Project Name:	3.5" Graphic Keypad – OTA Instructions
Model N°:	DF133
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1 Overview

This document is created to outline the steps to Over-The-Air (OTA) update the DF133 PCB which is used in the following keypads.

CP736 3.5" Keypad + Smart Card

CP737 3.5" Keypad + Smart Card + Wi-Fi

CP739 3.5" Keypad + Smart Card + RF

CP73* 3.5" Keypad + Smart Card + RF + Wi-Fi



OTA software is currently (as of 30-3-22) independent from Solutionlink and can only properly function on Windows 7 and above.

1 Panel Programming

1.1 TCP Setup

You must have a TCP port open for installer.

Enter **Menu 572 – IP RAS Options** and untick **UPD Installer RAS**

1.2 IP Port Setup

By default, the Installer port is set to 7701, this port can be modified to suite your needs.

Enter **Menu 571 – IP Port**, select Installer and modify or keep default.

2 OTA Steps

2.1 Keypad Setup

1. Keypad must be set to **ID = 1**
2. Keypad must be connected on your local network using Wi-Fi



Keypad must have Wi-Fi enabled. For this you must not have an Ethernet module plugged onto the panel.

3. Enter **Menu 600** and take note of the Wi-Fi keypads IP address
4. Turn on **Menu 708** Service mode and exit programming mode
5. Wait until Wi-Fi icon is present
6. Hold down the **[0 KEY]** to activate Keypad OTA
7. You have now entered the **Engineering OTA screen**

Document N°:	01
Project Name:	3.5" Graphic Keypad – OTA Instructions
Model N°:	DF133
Date:	5 April 2022

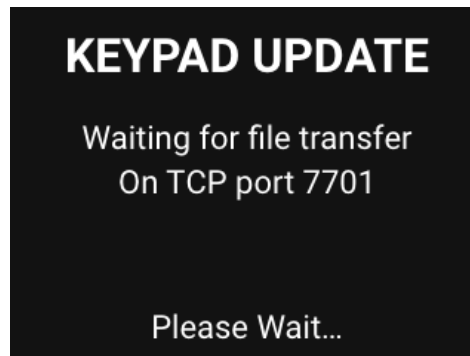


Figure 1: Keypad Update Display



The keypad Engineering OTA screen will timeout after 5 minutes if it doesn't detect any TCP file transfer. Also, if the TCP file transfer is interrupted (internet disconnects or computer dies) the OTA screen will timeout after 20 seconds.

2.2 Software Setup

1. Open software **TCPFiletransfer.exe**
2. Select **DF133** update software (Usual format will be **DF1323_*V**.bin** where *V** will be replaced with version number)

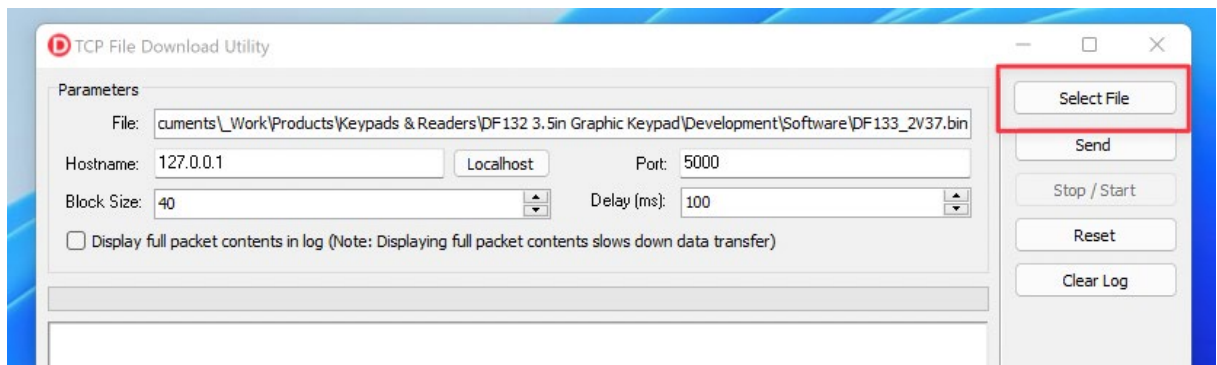


Figure 2: Select File Display



To avoid bricking the keypad, never OTA update with an earlier version than what is currently installed.
e.g., if you have version 2.37 installed, don't update with any version below 2.37.

Document N°:	01
Project Name:	3.5" Graphic Keypad – OTA Instructions
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- Port = Default **7701** (Port should be displayed on the keypad screen when in Engineering OTA Screen)

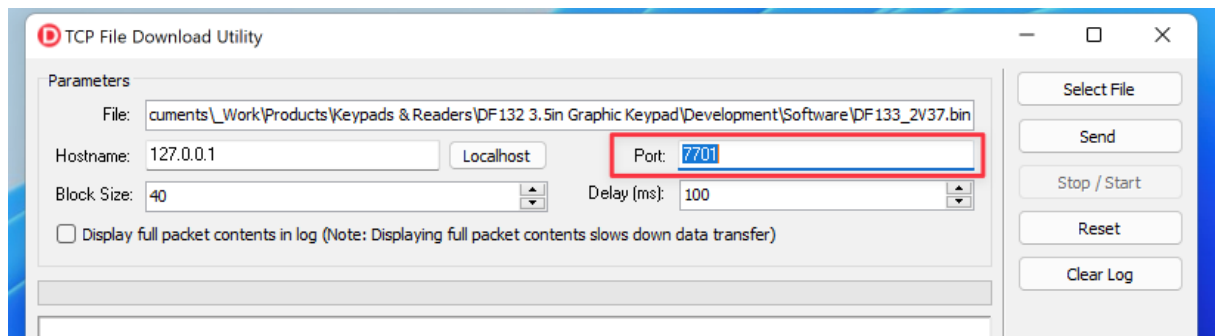


Figure 3: Port Selection Display

- Set The Block size = **1024** (minimum size of the block transfer)

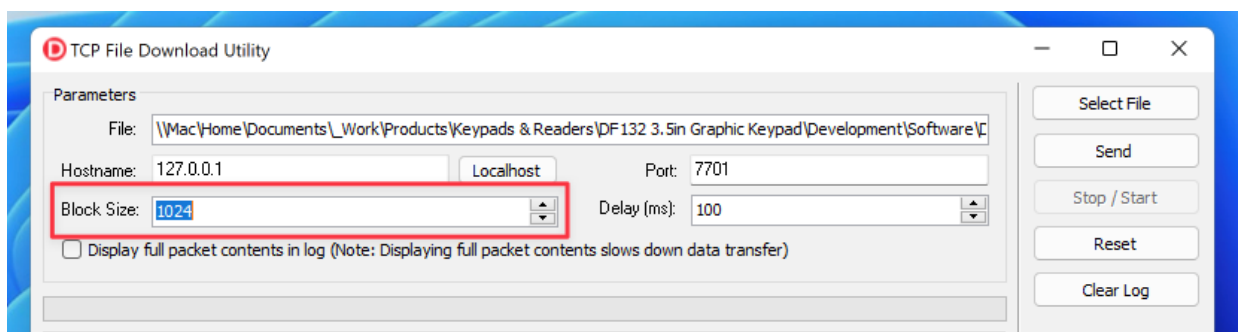


Figure 4: Block Size Display

- Set The Delay (ms) = **500**

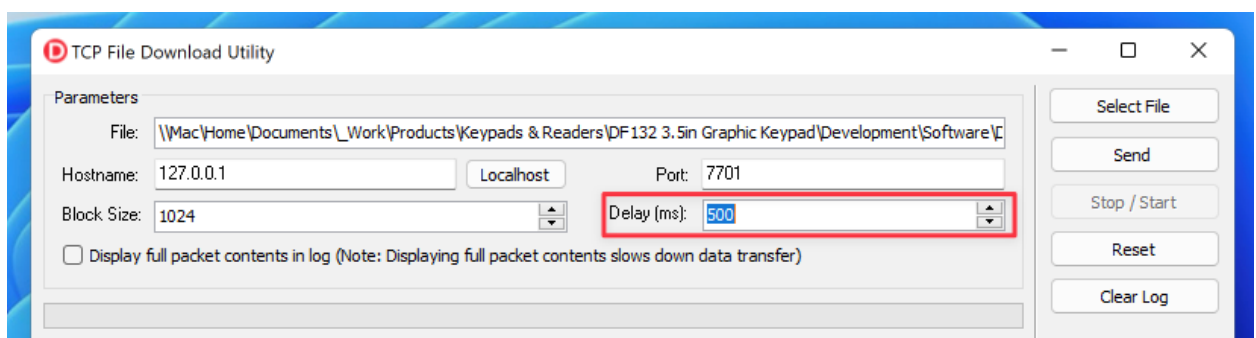


Figure 5: Delay Display

Document N°:	01
Project Name:	3.5" Graphic Keypad – OTA Instructions
Model N°:	DF133
Date:	5 April 2022



6. Host name = Local IP address of keypad found in **Menu 600**

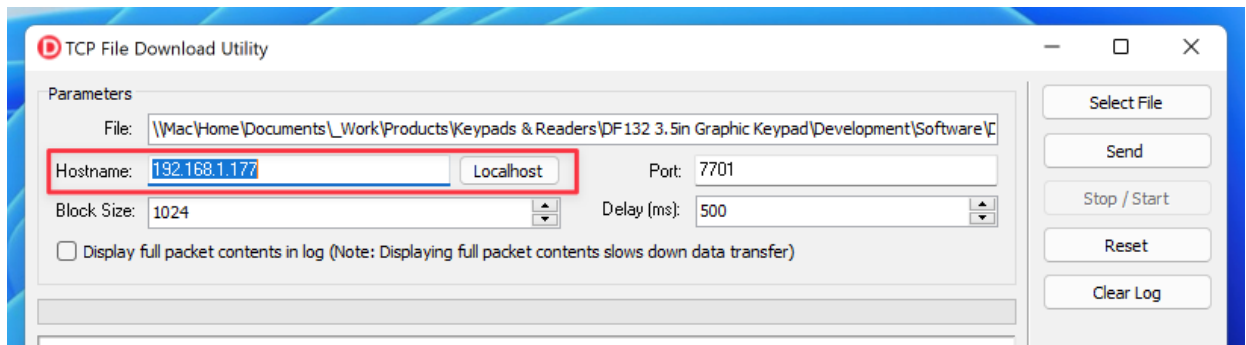


Figure 6: Hostname Display

2.3 File Transfer

You are now ready to start the file transfer by pressing the **SEND** button on the download utility software.

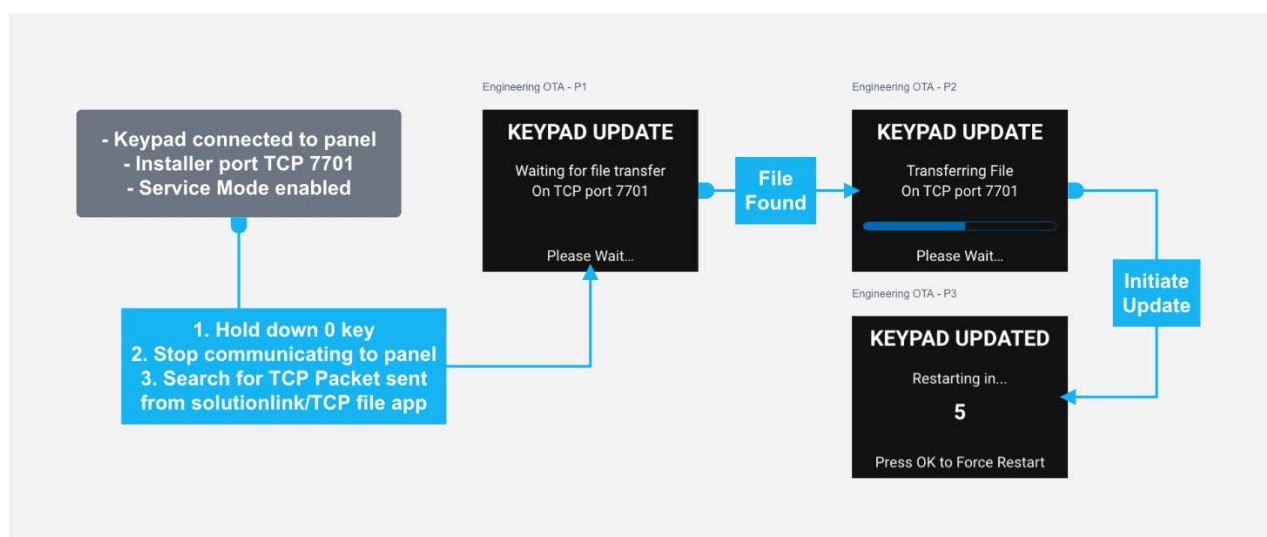


Figure 7: OTA Block Diagram

Once the software has finished transferring, the keypad will restart automatically after 5 seconds.

Document N°:	01
Project Name:	3.5" Graphic Keypad – OTA Instructions
Model N°:	DF133
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2.4 Software Explanation

2.4.1 Select File

This button allows you to select the .bin file to flash on the DF133 keypad

2.4.2 Send

This button will start the transfer process over TCP to send to the keypad. Once clicked the **Send** button will appear disabled. You must click **Start/Stop -> Reset** to be able to send the software over your TCP connection.

2.4.3 Start/Stop

This button will pause and continue the file transfer process

2.4.4 Reset

This button will reset the TCP connection between the computer and keypad. This button allows you to restart the transferring process in case you need to re-send the software or change software.

2.4.5 Clear Log

This button clears the transfer log.

2.4.6 Exit

This button closes the application.

