User's Manual

Multimedia Customer Pole Display

LED700

Contents

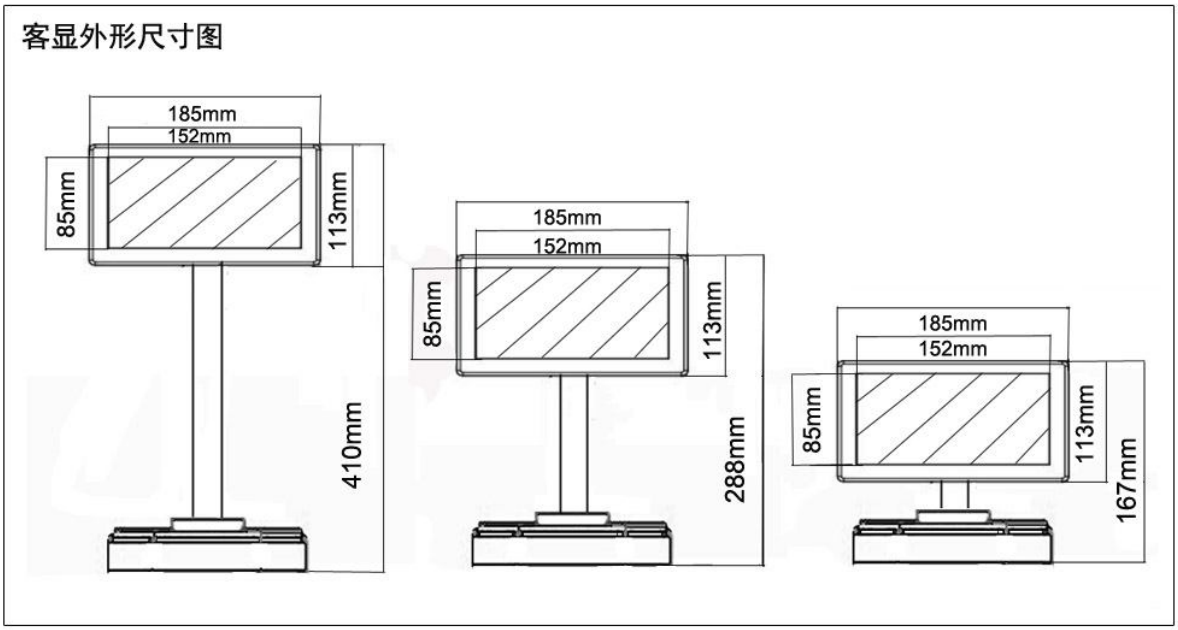
1. General Information

LED700 customer pole display with TFT-LCD monitor and 2x20 characters is designed to replace traditional VFD customer pole display. It can be used for delivering latest promotion information to customer. With a 300cd/㎡ brightness and 800 x 480 optimal resolution, the screen projects vivid graphics (full-screen picture and half-screen picture) to grab customer attention at the POS, enhancing your overall business experience.

LED700 media display can emulate many popular VFD serial port customer display command sets, retailers/software engineers do not need to go through difficult setup process and modify their existing program and system. RS232 port or USB port powered, no external power adapter. Both connections require power DC5V.

1.1 Features

1.2 Size



1.3 Introduction and Specifications

- TFT 7" LCD monitor
- Supports graphics display (in JPG/BMP format)
- Supports different language character sets (English/French/Spanish/Russian/Portuguese etc.)
- 20 characters X2 lines
- Emulates popular customer pole display command sets
- RS-232 port or USB port powered (optional), no external power adapter
- Software programming: ESC/POS, CD5220, UTC, OPOS
- Viewing angle: -5°~60°
- Maximum adjustable angle:270°
- Simple installation
- Optional pole height (3 kinds of height)
- Optional shell color: white, black or custom color

NO	Item	Description
1	Display Method	TFT 7" LCD monitor
2	Number of character	20 characters X2 lines
3	Character font	800X480 Dot matrix
4	Display back-light	LED back light
5	Brightness	350 cd/㎡
6	Language	English/French/Spanish/Russian/Portuguese/Italy
7	Font size	24X48/48X48 dot
8	Power supply	DC5V/1000MA
9	Power consumption	3.5W
10	MTBF	30000 Hours (power on time)
11	Communication Interface	RS232 or USB2.0
12	Baud Rate	2400/9600BPS
13	Package size	260X205X120mm
14	Operating temperature	-30—50℃
15	Operating Humidity	30%—80%
16	Storage temperature	-40--60℃
17	Storage Humidity	10%-90%
18	Pole display command	ESC/POS ADM787/788 DSP800 AEDEX NCR POS PD6000 UTC-S UTC-E CD5220
19	OPOS system	Epson OPOS
20	Height	167mm to 410mm
21	Panel dimension	185(W)X113(H)X50(D)mm
22	Support dimension	120mmX2pcs
23	Base dimension	182(W)X85(H)X115(D)mm
24	Weight	0.9KG

2. Standard Package

- ✓ 1pcs Module with cable
- ✓ 2pcs Support
- ✓ 1pcs Base
- ✓ 1pcs RS232 cable or USB cable (optional)
- ✓ 1pcs CD

3. Hareware Installation

Assembling steps:

Step 1: Attach the two supports to the base.

Step 2: Pass the display cable through the supports and base (insert the cable into the hole); Connect the cable to the port on the base.

Step 3:

For LED700 customer pole display with RS232 interface, connect the RS232 cable to the computer. Connection requires power DC5V, 750mA.

For LED700 customer pole display with USB interface, connect the USB cable to the the computer. Connection requires power DC5V, 750mA.

Step 4: Turn on the computer, the display will be on and show a self-diagnostic status. There will be slides (full-screen pictures and half-screen pictures) displayed on the monitor. The resolution of full-screen picture is 800X480ppi, half-screen picture's is 400X480ppi.

Picture format: JPG BMP

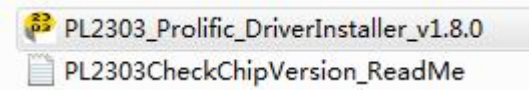
4. Driver Installation

For LED700 customer pole display with RS232 interface, there is no need to install driver, it can work directly after turning on the computer (jump to the test).

For LED700 customer pole display with USB interface, it requires installing USB to PL2303 driver.

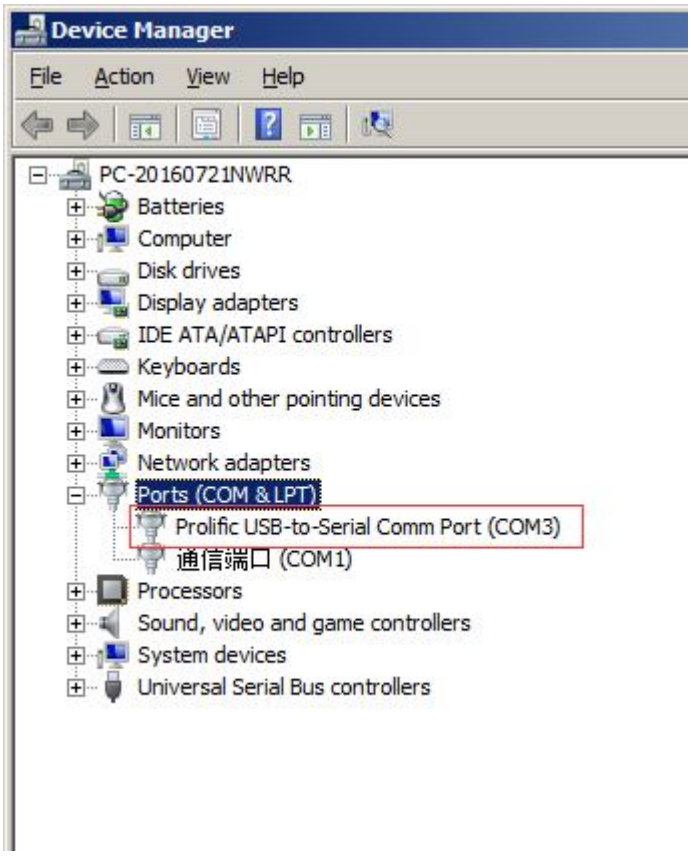
Installing steps:

Step 1: Run and install "PL2303_Prolific_DriverInstaller_v1.8.0" program.



Follow the installation guide, click "Finish".

Step 2: When finished, disconnect the customer display connector from the computer and then connect it to the computer again. Back to the computer desktop, right-click “Computer”, select “Properties” from the context menu. Find and click “Device Manager”, a window pops up:



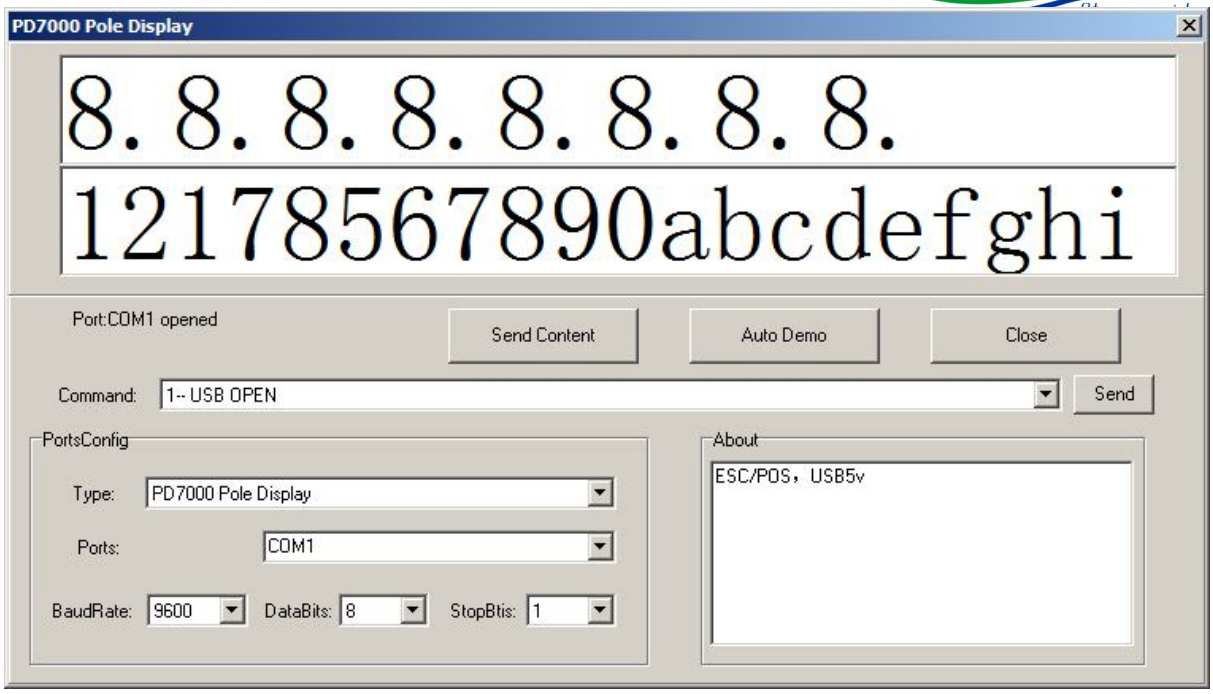
Double-click “Ports (COM and LPT)”, there will be a port named “Prolific USB-to-Serial Comm Port (COM3)”, remember this “COM3” port to prepare for test and device working.

5. Test

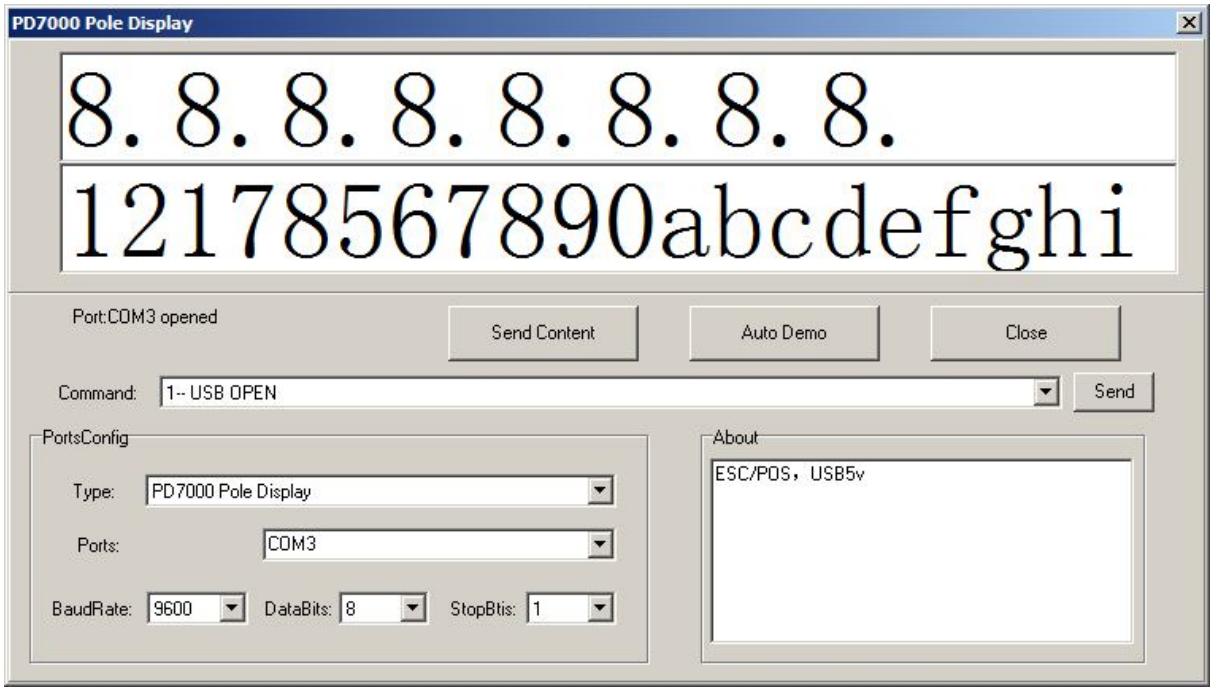
LED700 customer pole display can emulate many popular VFD serial port customer display command sets.

Test steps:

Step 1: Open testing program “D7000 COMMAND SET”.



Step 2: Select “COM3” next to the “Ports” which shows up right after driver installation. Baud Rate: 9600，Data Bits:8, Stop Bits:1. (Default protocol: 9600bps, non-parity, 8 data bits, 1 stop bit.)



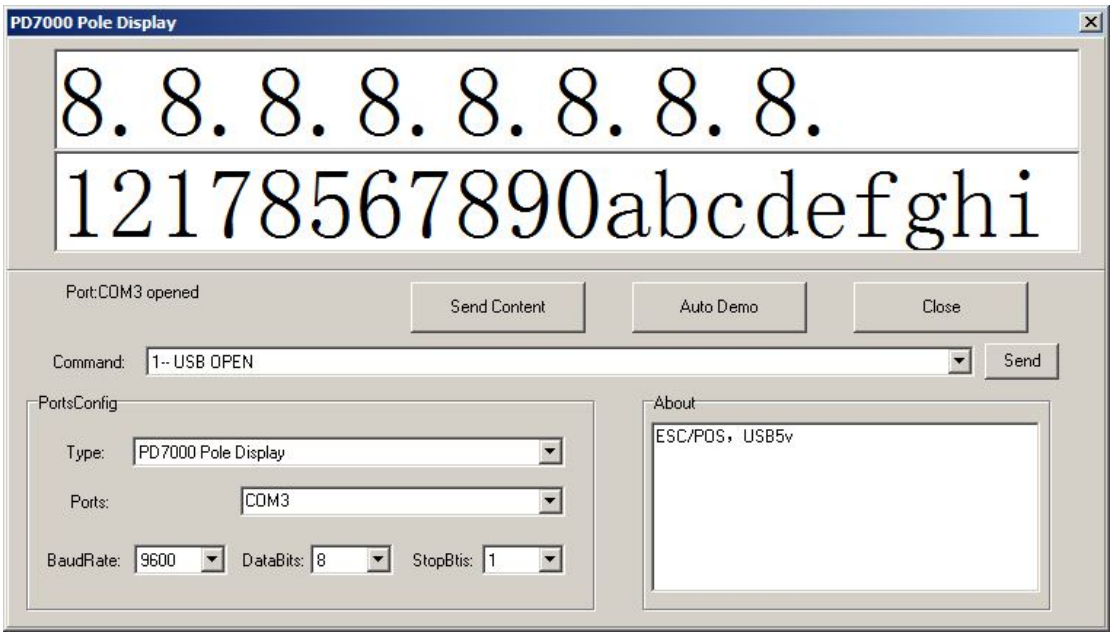
Step 3: When finished, input any text in appropriate langu or numbers into the boxes，click “Send Content”. Check the text or numbers are displayed on the display or not. Or click“Auto Demo”, the device will be on self-inspection. If there is no problem, test is done.

6. Promo Graphics Replacement

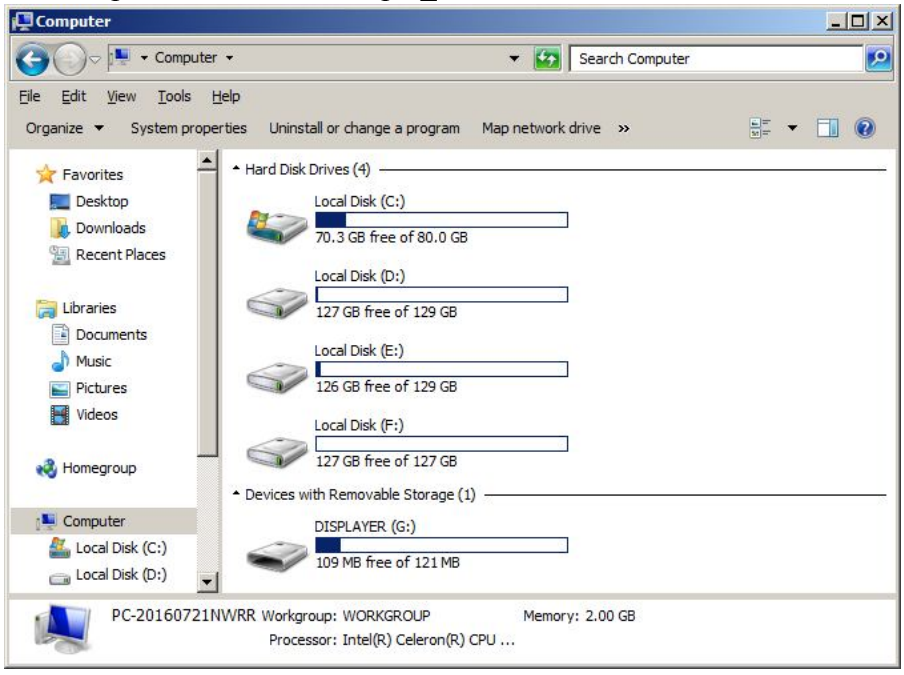
LED700 customer pole display can display digital image and promotional graphics.

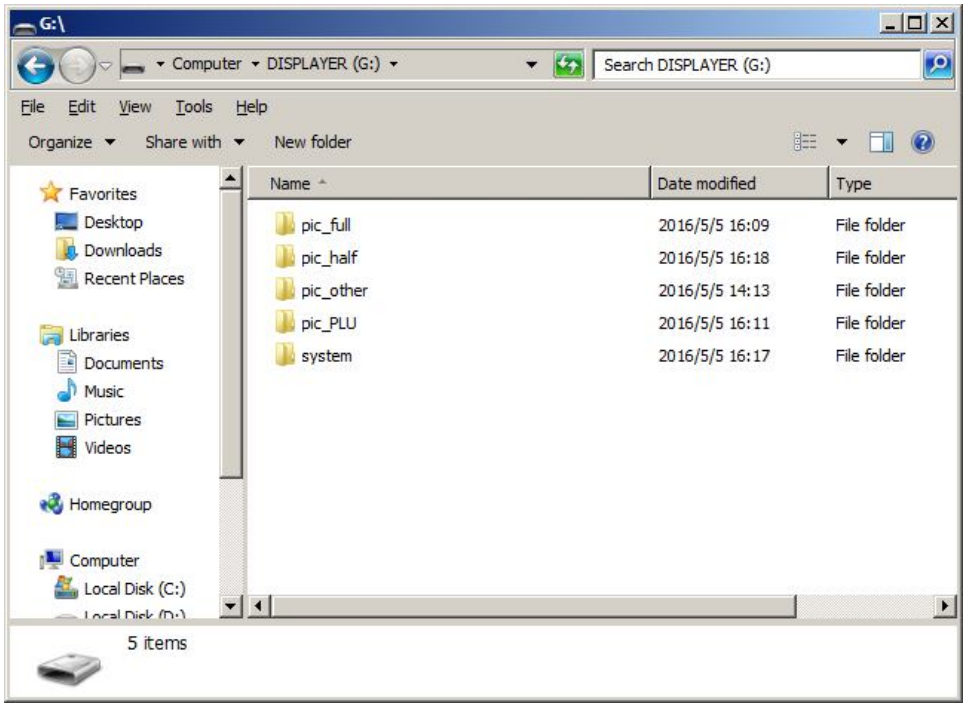
Replacement steps:

Step 1: Connect LED700 customer pole display to the computer, open testing program "LED700 COMMAND SET". Select "COM3" next to "Ports", then select "1-USB OPEN" next to "Command" to invoke the U disk function.

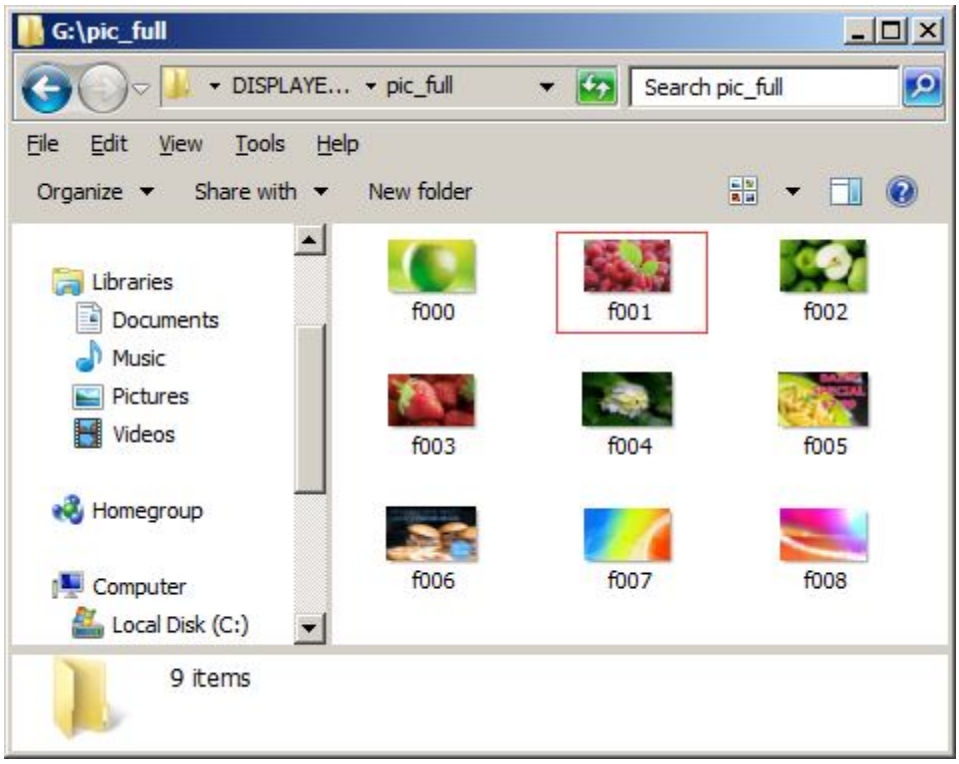


Step 2: Back to the computer desktop. Open "Computer", you will see an U disk named "DISPLAY". Open the U disk, some folders are in it. Full-screen pictures is in folder "pic_full", half-screen pictures is in folder "pic_half".





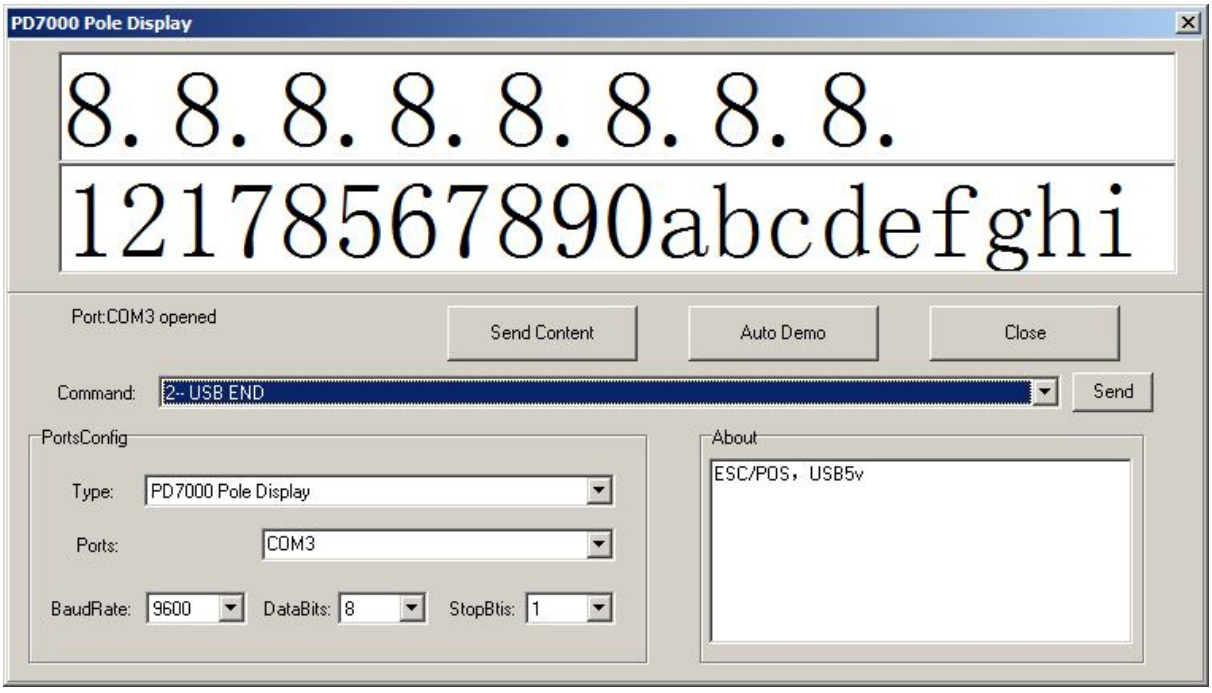
Step 3: Put the new pictures (in JPG or BMP format) into appropriate folder. The resolution of full-screen picture should be 800X480ppi, the half-screen picture's resolution should be 400X480ppi. The name of new picture must be the same as the initial picture's in the folder. For example, if you want to replace initial picture "f001", the new one must be also named "f001", thus delete the old one. See the figure shows as below:



Before Replacement

After Replacement

Step 4: Back to the testing program, select “2-USB END” next to “Command” . Click “Send”to shut down the U disk function.



Step 5: Close the testing program, restart computer， reconnect the display to the computer. Graphics replacement done.