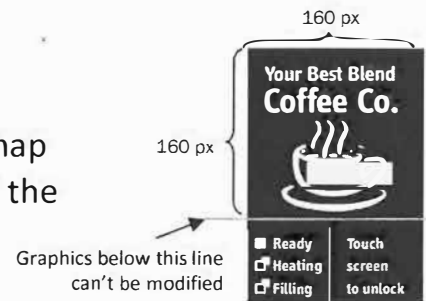


Installing Custom Graphics on CBS-2100 XTS Touchscreen Displays

Overview

The new CBS-2100 XTS Touchscreen series equipment provides the ability to display a square, 160x160 pixel bitmap image of a custom logo, simple drawing or graphic text on the standby "Ready" screen.



IMPORTANT –BEFORE YOU BEGIN!

Please format digital logo and save your graphics as per the requirements below for best results. Best results are achieved using the Microsoft Paint® application. Please refer to the instructional guides for each program in order to meet the specific graphic requirements below.

Be advised that the only way to transfer your graphics data to the brewer is through an SD Card system so make sure a properly formatted card is available. Due to limitations of the software capability, these very specific instructions must be followed to achieve desired results.

Graphics Design Requirements

All graphics (logos, shapes, text) **MUST BE FORMATTED AND SAVED** as per below:

1. Maximum/Minimum image size -160 X 160 pixels. If the picture has different vertical and horizontal measurements-set the horizontal as the 160 and the vertical as the smaller measurement
2. File must be saved **ONLY** as 16-color bitmap (.bmp)
3. File must be saved with the exact name and file extension **logo.bmp**
4. File must be saved to removable SD card as brewer will only accept this type of media.



NOTE:

- The final touchscreen display images are in black, halftones and white only –no color.
- Colors, shading or gradients are visible but may not appear exactly as per the original file.
- The software only recognizes a (.bmp) file extension so your graphics must be in this format or the result will be an error message.
- Oversized or undersized graphics may result in an error message when the program is loaded –they must be sized as 160 x 160 pixels or with the horizontal size as 160 pixel and the vertical less than 160 pixels
- We do not recommend that other files be stored on the removable SD card, software will only read and load the file -logo.bmp.
- The current graphic displayed on the touchscreen will be overridden when installing a new logo.
- Graphics with black or very dark backgrounds look better when displayed on the touchscreen.

Uploading Formatted Graphics on CBS-2100 XTS Series Touchscreen Brewers

Once graphics are formatted and saved as per the requirement above on to the SD/SDHD card, there are 2 ways to load the file (logo.bmp) into the equipment software:

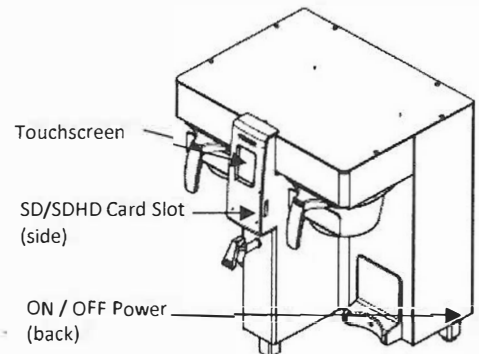
- 1) Upload prior to software boot-up process (Recommended)
- 2) Upload from the programming menu (Advanced)

Uploading File Before Software Boot-Up (Recommended)

On boot-up, the logo.bmp file loads immediately from the SD/SDHD card without any interaction with the brewer interface. Once the card is removed, all other control software will load.

From Boot-Up:

- 1) Begin with power in "OFF" position
- 2) Insert properly formatted SD/SDHD media into the slot on the right side of the touchscreen.
- 3) Turn power switch "ON"
- 4) Instantly, the screen displays a message that the logo file is uploading and will instruct when to remove the SD/SDHD card when the process is complete. (In most cases, the file loads within 1 – 2 seconds)
- 5) The software will continue to boot-up after card is removed
- 6) The uploading process is complete



Uploading File from the Programming Menu (Advanced)

This method requires navigating through the programming menu screens to load the graphics file. It is slightly more time consuming and is recommended only if you are comfortable with navigating through the programming menu screens.

From Programming Screen

- 1) Turn brewer "ON",
- 2) XTS logo will appear
- 3) To immediately access the Programming Menu, touch and hold finger on "XTS" screen and hold until "Programming" displays
- 4) The "PROGRAM" menu will appear
- 5) Touch left << or right >> until "OTHER" programming menu screen appears.
- 6) Touch down arrow to highlight "ERROR CODES".
- 7) Touch right arrow twice >> to access "UPLOAD LOGO" menu.
- 8) Insert properly formatted SD/SDHD card into the card slot on the right side of the touchscreen
- 9) Touch down arrow to Highlight "UPLOAD LOGO". At this time a confirmation screen appears.
- 10) Touch "YES" to confirm changing current graphic
- 11) Touch "ENTER↵"
- 12) The logo uploads instantaneously and returns to the "DC Voltage pump calibration" screen
- 13) Remove card
- 14) The uploading process is complete