

# **How to Multi-Drop Ultra Boards with a Spill Proof Printer**

**(Stand alone System, No Scanner, No customer Display)**

## **THE ULTRA BOARD**

1 - First, set all Ultra Boards to be Multi Dropped dipswitches 6, 7 and 8 of Bank #3 (SW505) ON.

2 - Hard Reset the Ultra Boards.

3 - On power up, the Ultra Board will now display a Multi-Drop address between 1 and 33. Please note the address of each Ultra Board (In V4.00A and up, it will first display the Firmware Version before the Address i.e. 40 for one second).

4 - Each Ultra Board Multi Drop Address will need to be different and not be 33 (33 means no address is set).

## **THREE DIFFERENT WAYS TO CHANGE THE MULTI DROP ADDRESS**

5 (a) – (Only available in V4.00A and up) To change the Multi Drop Address, power on the Ultra Board with F1 (Red button) and F2 (White button) pressed together, until you see “Ad” on the 2 segment LED display, it might take over 10 seconds. Then press F3 (Black button) to select the address you want. Start with 01 for the first address. On Systems with the Spill Proof printers as the Host, select an address between 1 to 6 ONLY. Once you selected an Address Power Off and On the Ultra Board. It should display the new address on power up. It is now ready to be used in a Multi Drop configuration.

5 (b) – To change the Multi Drop Address with a PS2 Keyboard, power on the Ultra Board with the Keyboard connected and with the F1 (Red Button) pressed until it you see “PS” on the 2 segment LED display. Press on F11 on the PS2 Keyboard until you select the address you want. Once you are done, simply power off the Ultra board, disconnect the PS2 Keyboard and Power on the Ultra board again. It should display the new Multi Drop address.

5 (c) - Run Flashimage, with the appropriate Bix File. If you don't have the right bix file, simply create a file named: C210C\_Address0X.bix and with the help of a Hex Editor, just insert one byte 01 to 06 (in binary) in the file, representing the wanted Multi Drop address. Make sure the bix file is in the same directory as the Flashimage.exe. Make sure no other files are within the same directory. Run Flashimage with a RS232 cable connected to the Ultra Board and it should set the Multi Drop Address to the value in the bix file.

## **THE SPILL PROOF PRINTER**

1 – First, print a Diagnostic ticket. To print a diagnostic ticket, you will need to power on the Spill Proof Printer, with the Form Feed button pressed for 10 seconds. It should print a report. Look for the line “Aux Port:” it should be set to “Site Controller 2”. If not, you will need to change it. If it is set to “Site Controller 2” it is ready to work in a Multi Drop configuration. Also make sure your Firmware version is at least V3.10M. If not, please contact our service department or get the latest firmware update from our Support Web site.

<http://www.nanoptix.ca/techsupport/files/Latest Firmware update for Ultra Systems.zip>

### **THREE DIFFERENT WAYS TO CHANGE THE AUX PORT PARAMETER**

2 (a) – To set a Spill Proof Printer to “Site Controller 2”, you need to send the following command to the printer: <0x1D>TB<0x09> with a RS232 cable or a USB cable. Simply create a text file and insert the above three 3 bytes and send this file using HyperTerminal at 9600 baud.

This command will hard reset the printer. Print a diagnostic ticket again and verify that the “Aux Port” is now set to “Site Controller 2”.

2 (b) – With the software GetConfig.exe, available on our Support Web site, do a Read Config. with a an RS232 cable connected to the Spill Proof, change the option “Aux Port” to “Site Controller 2” and do a Set Config.

2 (c) – Run Flashimage, with the appropriate Bix File. If you don’t have the right bix file, simply create a file named:

C201E\_SiteController2.bix and with the help of a Hex Editor, just insert one byte 09 (binary) in the file. Make sure the bix file is in the same directory as the Flashimage.exe. Make sure no other files are within the same directory. Run Flashimage with a RS232 cable connected to the Spill Proof Printer it should set the Aux Port to Site Controller 2.

## HOW TO TEST THE SYSTEM

Once you have the Spill Proof set to Aux Port: Site Controller 2 and all the Ultra Boards connected together, with the Dip Switches 6, 7 and 8 ON, of the third bank, with Multi Drop cables and set with different Multi Drop address you are now ready to try the System. Power On all Ultra Boards first and then Power On the Spill Proof Printer. Within 30 seconds it should print a “Ultra Board Network Report”. It will report all Ultra Boards connected (1 to 6), with all the Games Connected. It will also report the Firmware Version Number of the Spill Proof Printer and all the Ultra Board.

Please make sure the firmware version of the Spill Proof Printer is at least V3.10M and the Ultra Boards are at least V3.02E. If not, please contact our service department, or get the latest version of firmware from our General Support Web site, under Ultra Board Updates.

<http://www.nanoptix.ca/techsupport/files/Latest Firmware update for Ultra Systems.zip>

If it doesn't print a report, verify all cable RS485 cables are connected properly and Power Off and On the Spill Proof printer again until you get the Network report.

If the get a good network report, press on the Soft Report button of your controller box and you should get a report for each Ultra Board connected. Insert some credits in a game and cashout. You should get a Cashout Ticket at the Spill Proof. Please note, you are note able to Remotely cashout from the Controller box anymore. You need to knock off the credits at the Game. Print another report to make sure you receive the credits in and out correctly.