



MasterSet™

USB

SAMSUNG™ RESETTABLE CHIP SERIES

CHIP RESET DEVICE

DESIGNED, DEVELOPED, AND BUILT ENTIRELY BY
SUMMIT TECHNOLOGIES

Reorder #**XMSSAM**

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OVERVIEW

- The **MasterSet™ USB** system includes all equipment required to connect directly to a cartridge chip for resetting, when used with optional cables available.
- The **MasterSet™ USB** requires access to a PC with a USB port (either USB 1.0 or 2.0 supported) and a USB extension cable (supplied).
- The program will operate on systems running Windows 95/98, or XP.
- This reset device resets chips of the Summit Technologies' SAMSUNG™ 2150 RESETTABLE CHIP family, including those for SAMSUNG™, XEROX™, DELL™, AND TALLY-GENICOM™ series. Resetting changes both the chip type (ID) and the toner level status (to 100%). Each chip can be reset as needed. The reset cable for these is included in the kit.
- Summit Technologies' SAMSUNG™ 2150 RESETTABLE CHIP family chips can be reset to be reused as any existing model.
- This reset device also resets OEM chips of the SAMSUNG™ CLP-510 family, including those for the SAMSUNG™ CLP-510, and the XEROX™ 6100 Black, Cyan, Magenta, and Yellow. The reset cable for these is optional.
- The **MasterSet™ USB** system includes a number of chip-reset credits. As each chip is reset, the counter will decrease the credits available.
- When additional resets are required, the reset codes will be provided to increase the number of resets available, in increments of 25 (order #XRCSAM).
- The following chart shows the Summit Technologies' chip types presently supported. New models are constantly added, so they may not be listed here, but will show on your screen. Other models will be added based upon customer requirements. New models that are added are included in software upgrades. Please check our website at www.summittechnologies.com for upgrades.

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Supported Summit Technologies and OEM chip types:

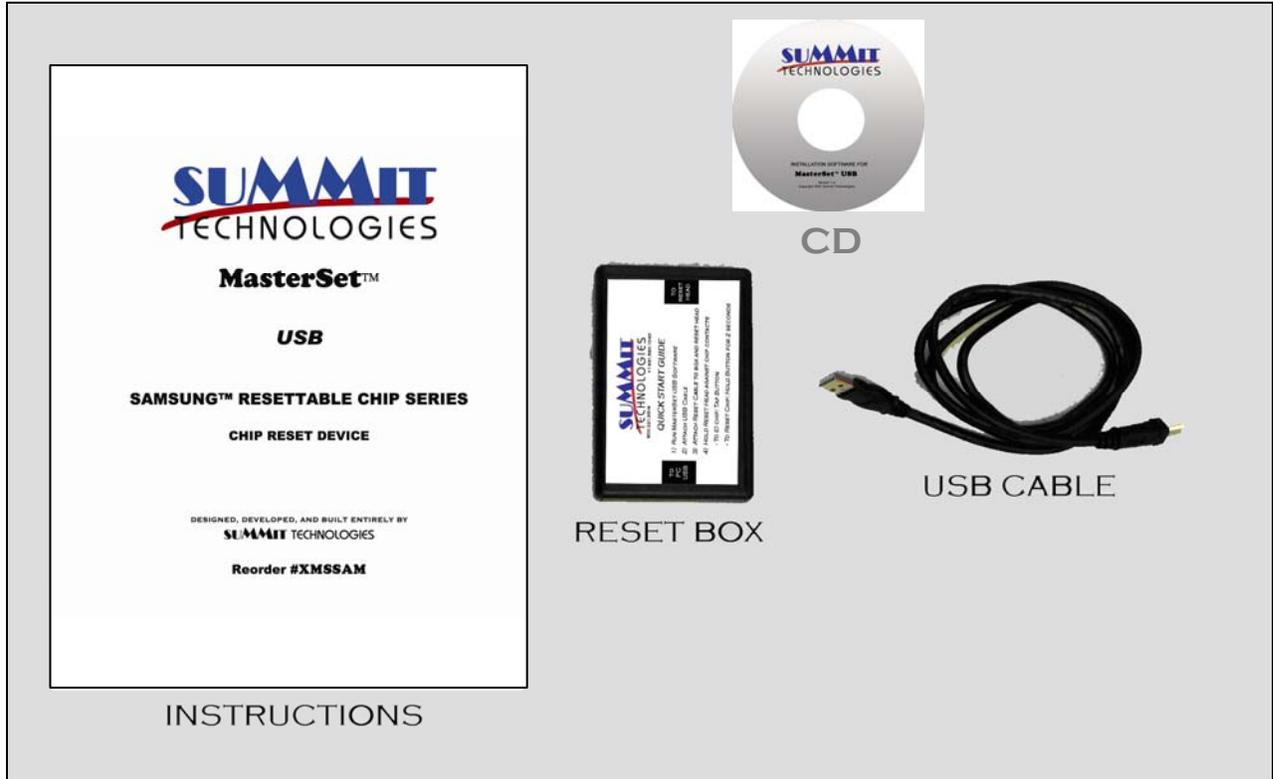
ITEM	DESCRIPTION	CARTRIDGE	CONVERSION	RESET	CABLE REQ'D
1	DELL™ 1600n High Yield	310-5417	YES	YES	YASCBL2150
2	DELL™ 1600n Low Yield	310-5416	YES	YES	YASCBL2150
3	SAMSUNG™ 2150/2151/2152 High Yield	ML-215008/XAA	YES	YES	YASCBL2150
4	SAMSUNG™ 3560 High Yield	ML-3560DB	YES	YES	YASCBL2150
5	SAMSUNG™ 3560 Low Yield	ML-3560DG	YES	YES	YASCBL2150
6	SAMSUNG™ 6320 High Yield	SCX-632008	YES	YES	YASCBSAM6320
7	SAMSUNG™ CLP510 Black High Yield	CLP-51005K	NO	YES	YASCBSAM510
8	SAMSUNG™ CLP510 Black Low Yield	CLP-51002K	NO	YES	YASCBSAM510
9	SAMSUNG™ CLP510 Cyan High Yield	CLP-51005C	NO	YES	YASCBSAM510
10	SAMSUNG™ CLP510 Cyan Low Yield	CLP-51002C	NO	YES	YASCBSAM510
11	SAMSUNG™ CLP510 Magenta High Yield	CLP-51005M	NO	YES	YASCBSAM510
12	SAMSUNG™ CLP510 Magenta Low Yield	CLP-51003M	NO	YES	YASCBSAM510
13	SAMSUNG™ CLP510 Yellow High Yield	CLP-51005Y	NO	YES	YASCBSAM510
14	SAMSUNG™ CLP510 Yellow Low Yield	CLP-51002Y	NO	YES	YASCBSAM510
15	SAMSUNG™ ml2550/2551/2552 High Yield	ML2550DA/XAA	YES	YES	YASCBL2150
16	SAMSUNG™ SCX-4200	SCX-04200A	YES	YES	YASCBL2150
17	SAMSUNG™ SCX-4720F High Yield	SCX4720D5/XAA	YES	YES	YASCBL2150
18	SAMSUNG™ SCX-4720F Low Yield	SCX4720D3/XAA	YES	YES	YASCBL2150
19	TALLY/GENICOM™ 9022/9022N High Yield	MMD043376	YES	YES	YASCBL2150
20	TALLY/GENICOM™ 9025/9025N High Yield	MMD043361	YES	YES	YASCBL2150
21	TALLY/GENICOM™ 9220/9220N High Yield	MMD043320	YES	YES	YASCBL2150
22	XEROX™ 6100 Black High Yield	106R00684	NO	YES	YASCBSAM510
22	XEROX™ 6100 Black Low Yield	106R00679	NO	YES	YASCBSAM510
23	XEROX™ 6100 Cyan High Yield	106R00680	NO	YES	YASCBSAM510
24	XEROX™ 6100 Cyan Low Yield	106R00676	NO	YES	YASCBSAM510
25	XEROX™ 6100 Magenta High Yield	106R00681	NO	YES	YASCBSAM510
26	XEROX™ 6100 Magenta Low Yield	106R00677	NO	YES	YASCBSAM510
27	XEROX™ 6100 Yellow High Yield	106R00682	NO	YES	YASCBSAM510
28	XEROX™ 6100 Yellow Low Yield	106R00678	NO	YES	YASCBSAM510
29	XEROX™ MP20/C20	106R01047	YES	YES	YASCBSAM6320
30	XEROX™ Phaser 3150 High Yield	109R00747	YES	YES	YASCBL2150
31	XEROX™ Phaser 3150 Low Yield	109R00746	YES	YES	YASCBL2150
32	XEROX™ Phaser 3420 High Yield	106R01034	YES	YES	YASCBL2150
33	XEROX™ Phaser 3450 High Yield	106R00688	YES	YES	YASCBL2150
34	XEROX™ Phaser 3450 Low Yield	106R00687	YES	YES	YASCBL2150
35	XEROX™ WorkCentre PE120 High Yield	109R00606	YES	YES	YASCBL2150
36	XEROX™ WorkCentre PE120 Low Yield	109R00601	YES	YES	YASCBL2150

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KIT CONTENTS



AVAILABLE CABLES:



#YASCBL2150



#YASCBLSAM510



#YASCBLSAM6320

NOTE: ACTUAL ITEMS MAY BE SLIGHTLY DIFFERENT THAN SHOWN

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SETUP

SOFTWARE INSTALLATION USING CD:

- FOR **WINDOWS** APPLICATIONS (For use with Windows 95/98 or XP)

- ***Make sure the MasterSet™ Reset Device is NOT plugged in:***

➔ To Install for Windows 95/98 or XP

- ☐ Insert CD into CD drive.
- ☐ Program should self-start; if not, left-Click on Start, and select Run
- ☐ Select **X:\setup.exe** (where **X** is the letter of your CD drive).
- ☐ The Installation setup menu will appear
- ☐ Follow setup instructions on screen
- ☐ Remove CD

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SETUP – continued

RESET DEVICE SETUP

- Connect one end of the USB cable to a USB port on the PC or laptop.
- Connect the opposite end of the USB cable to the jack on the **MasterSet™ USB** reset box:



- Windows should recognize the new hardware, and display “Found New Hardware”. **When asked, click on “Choose location” and use the browse feature to direct it to C:\Program Files\MastersetUSB\driver. If you select to have Windows locate the driver, it will bring back an error message.**
- Plug the connector end of the desired reset cable into the RJ-45 jack on the **MasterSet™ USB** reset box:



To start the program:

- Close all printer port capture programs, such as Lexmark's MarkVision.
- Close all other windows programs
- Double-click on the MSUSB Icon
- If installation is successful, you will get the menu screen on page 9
- If Windows displays "Found New Hardware". Use the Add Hardware Wizard. ***When asked, click on "Choose location" and use the browse feature to direct it to C:\Program Files\MastersetUSB\driver.***

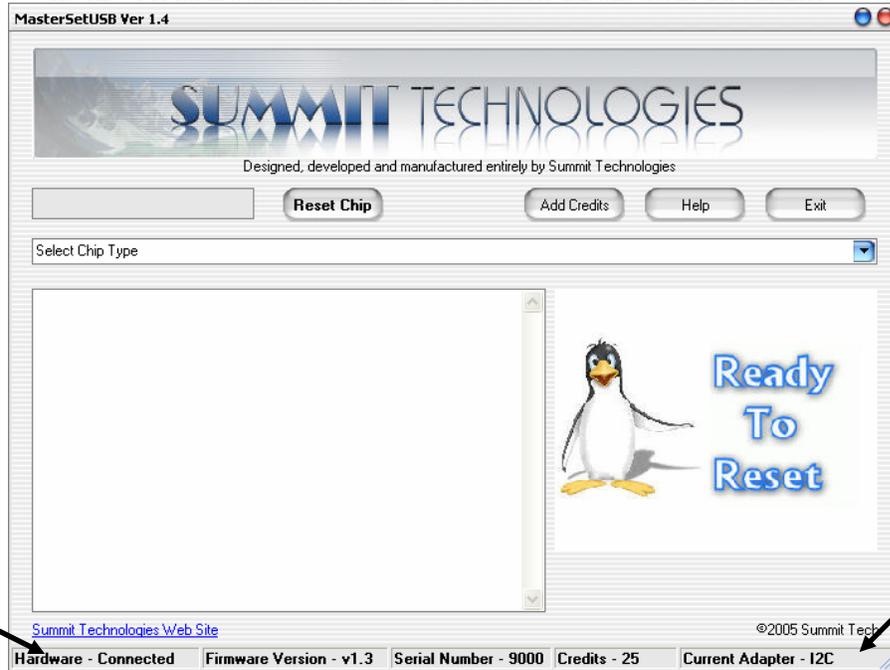
IF YOU SELECT TO HAVE WINDOWS LOCATE THE DRIVER, IT WILL BRING BACK AN ERROR MESSAGE.

- The system is now ready for use.

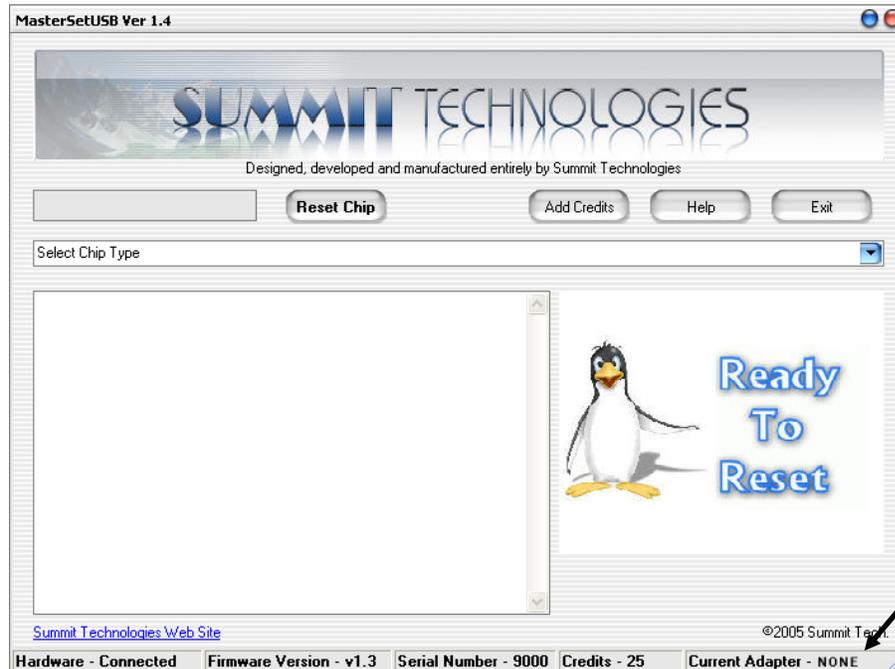
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MAIN MENU SCREEN

NOTE – TYPICAL SCREEN SHOWN – YOURS MAY BE SLIGHTLY DIFFERENT



NOTE – SHOWS HARDWARE IS CONNECTED AND ADAPTER IS IN PLACE. NOTE – FOR SAMSUNG™ SERIES, THE ADAPTER TYPE IS “I2C”.



ERROR MESSAGE IF RESET CABLE IS NOT CONNECTED

CONNECTING TO THE CHIP (2150/2550 and 2250 SERIES)

- **Removal of chip from the cartridge is not required.** Align the contact pins on the cable connector with the contacts on the chip, as shown. The spring pins will go through the slots on the cartridge to engage the chip:



DELL™ 1600n High Yield
DELL™ 1600n Low Yield
SAMSUNG™ SCX-4720F High Yield
SAMSUNG™ SCX-4720F Low Yield
TALLY/GENICOM™ 9022/9022N High Yield
XEROX™ Phaser 3150 High Yield
XEROX™ Phaser 3150 Low Yield
XEROX™ WorkCentre PE120 High Yield
XEROX™ WorkCentre PE120 Low Yield

2250 STYLE CARTRIDGES



SAMSUNG™ 2150/2151/2152 High Yield
SAMSUNG™ ML2550/2551/2552 High Yield
TALLY/GENICOM™ 9025/9025N High Yield
TALLY/GENICOM™ 9220/9220N High Yield
XEROX™ Phaser 3420 High Yield
XEROX™ Phaser 3450 High Yield
XEROX™ Phaser 3450 Low Yield
SAMSUNG™ 3560 High Yield
SAMSUNG™ 3560 Low Yield

2150/2550 STYLE CARTRIDGES

- Gently press down on the connector head to compress the spring pins part way – this assures proper contact for all four points.

NOTE: **MasterSet™ USB** will change a resettable chip to any in the series.

CONNECTING TO THE CHIP (510/6100 SERIES)

- **Removal of chip from the cartridge is not required.** The cable connector is designed to fit against the cartridge side and straddle the contacts. This aligns the contact pins on the cable connector with the contacts on the chip, as shown:



510/6100 CARTRIDGES

- Gently press down on the connector head to compress the spring pins part way – this assures proper contact for all connections. Note that the head will align directly with the contacts on the side of the cartridge.

NOTE: **MasterSet™ USB** will reset any series of Samsung™ 510/6100 resettable chips, but only as the **same** model.

CONNECTING TO THE CHIP (6320/MP20 SERIES)

- **Removal of chip from the cartridge is not required.** The cable connector is designed to fit against the cartridge side and bottom and fit into the contacts. This aligns the contact pins on the cable connector with the contacts on the chip, as shown:



6320/MP20 CARTRIDGES

- Gently press down on the connector head to compress the spring pins part way – this assures proper contact for all connections. Note that the head will align directly with the contacts on the side of the cartridge.

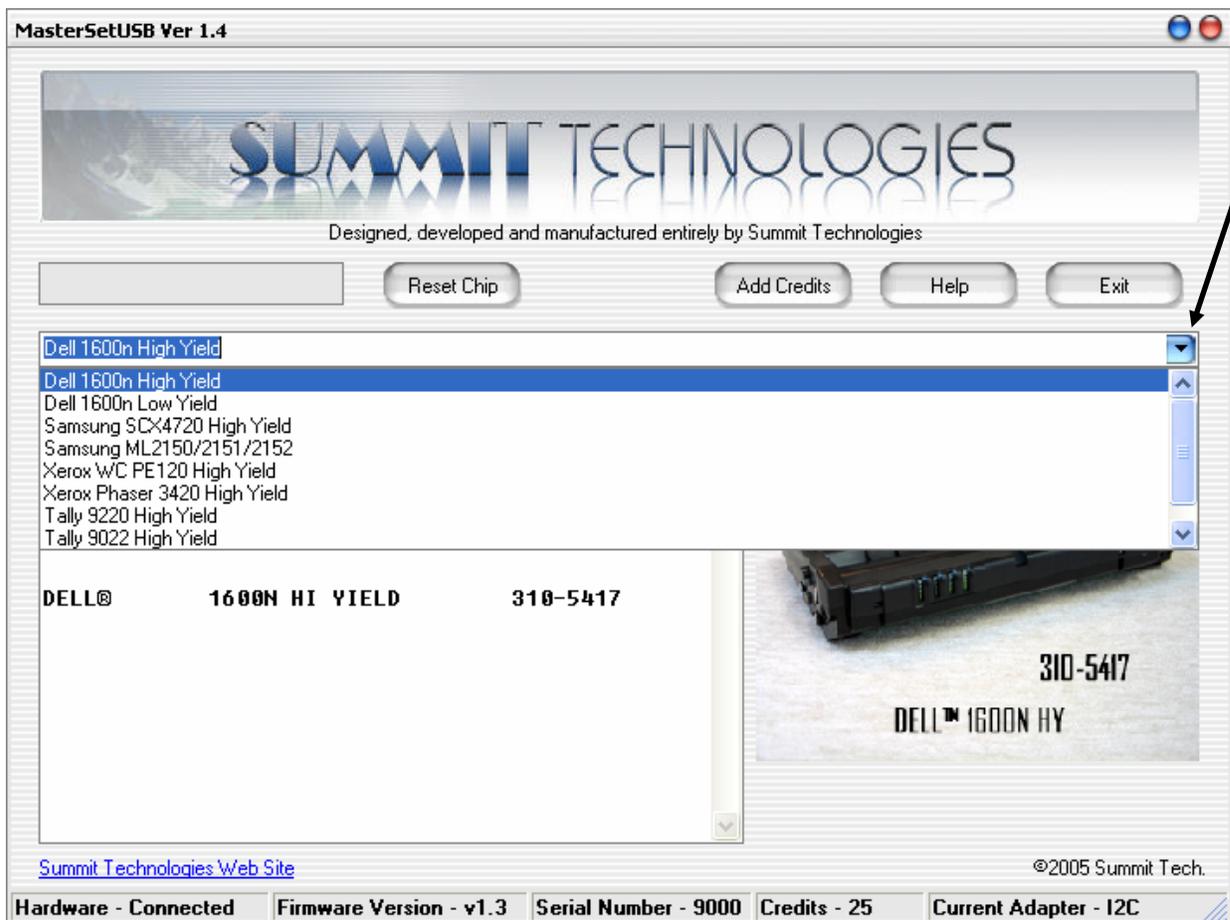
NOTE: **MasterSet™ USB** will reset any series of Samsung™ 6320/MP20 resettable chips, to any chip in the series.

CHIP RESETTING

CHIP RESET MENU

This describes the process to reset previously used, Summit Technologies' SAMSUNG™ RESETTABLE CHIP series chips. The SAMSUNG™ RESETTABLE CHIP Series Reset Device will quickly reset these chips, and then run a verification process to ensure chip integrity.

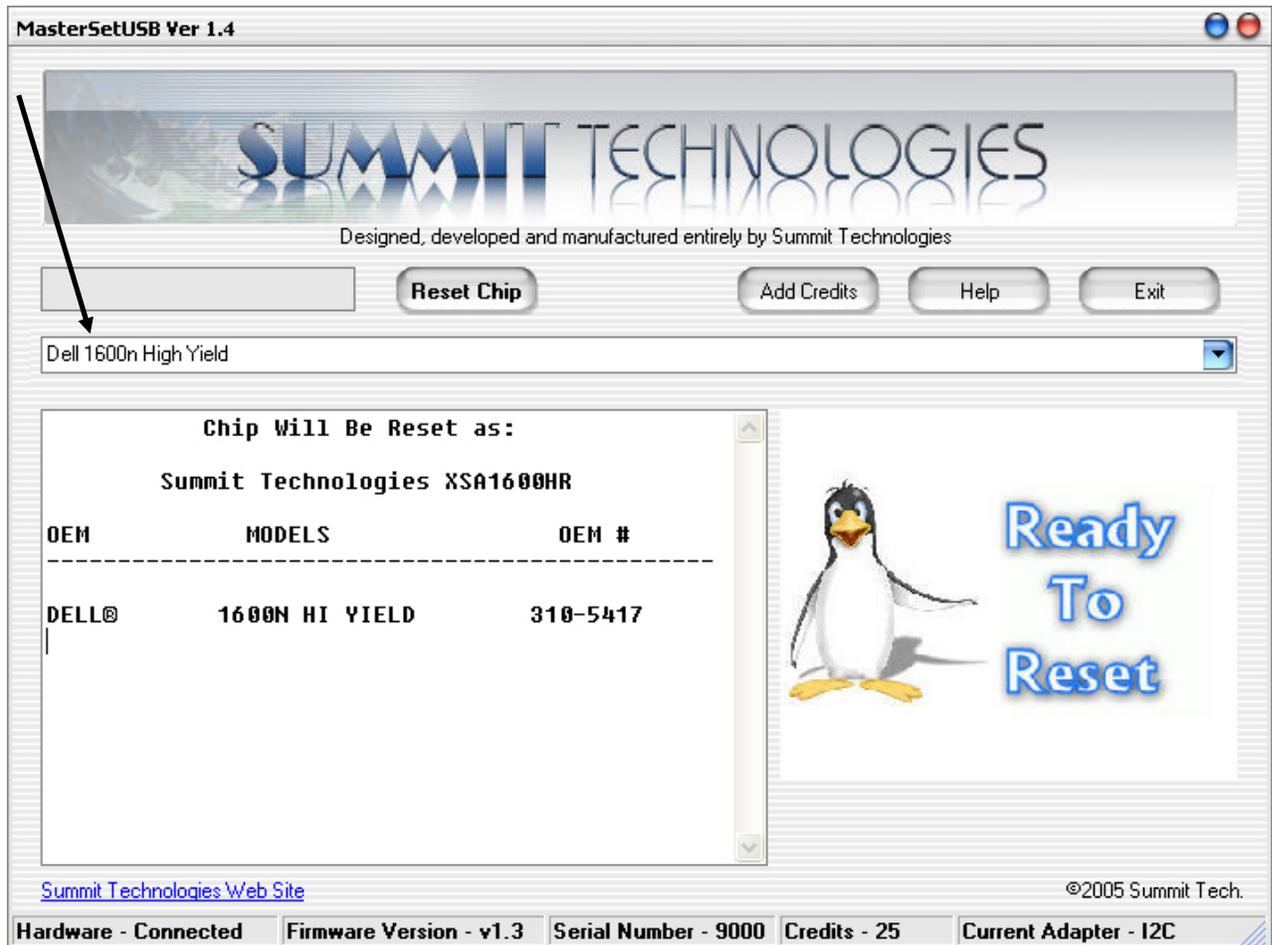
- Resetting the 2150/2250/2550, and the 6320/MP20 chips will also change the ID. The 510/6100 series can be reset to the existing model **only**. Click on the drop-down arrow as shown:



- Scroll down to the desired chip, or click directly on the desired chip type.

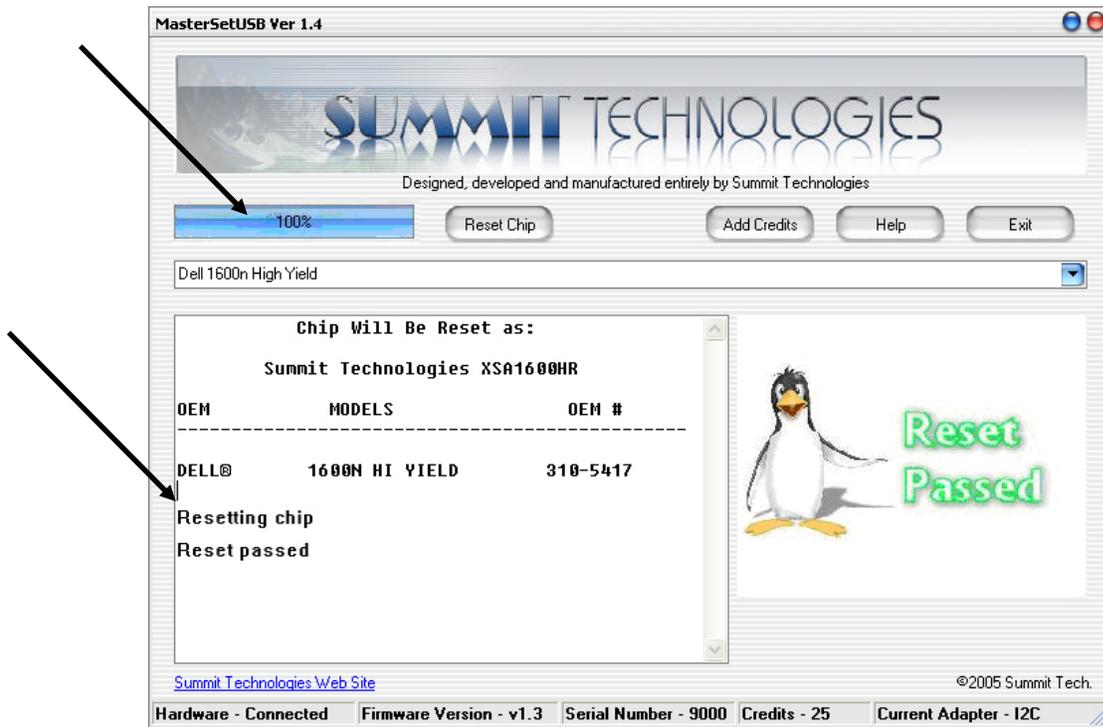
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- Once selected, the desired chip type will be displayed on the chip status bar:



- To reset the chip, connect the cable connector to the chip as outlined in the previous section “**Connecting to the Chip.**”
- While holding the connector to the chip, **either**:
 - press the button for 2 seconds **or**,
 - click **ONCE** on the “**Reset Chip**” button on the screen.

- The device will then reset the chip; while resetting, a status bar will show progress, and the display will show text confirming the chip is being reset:

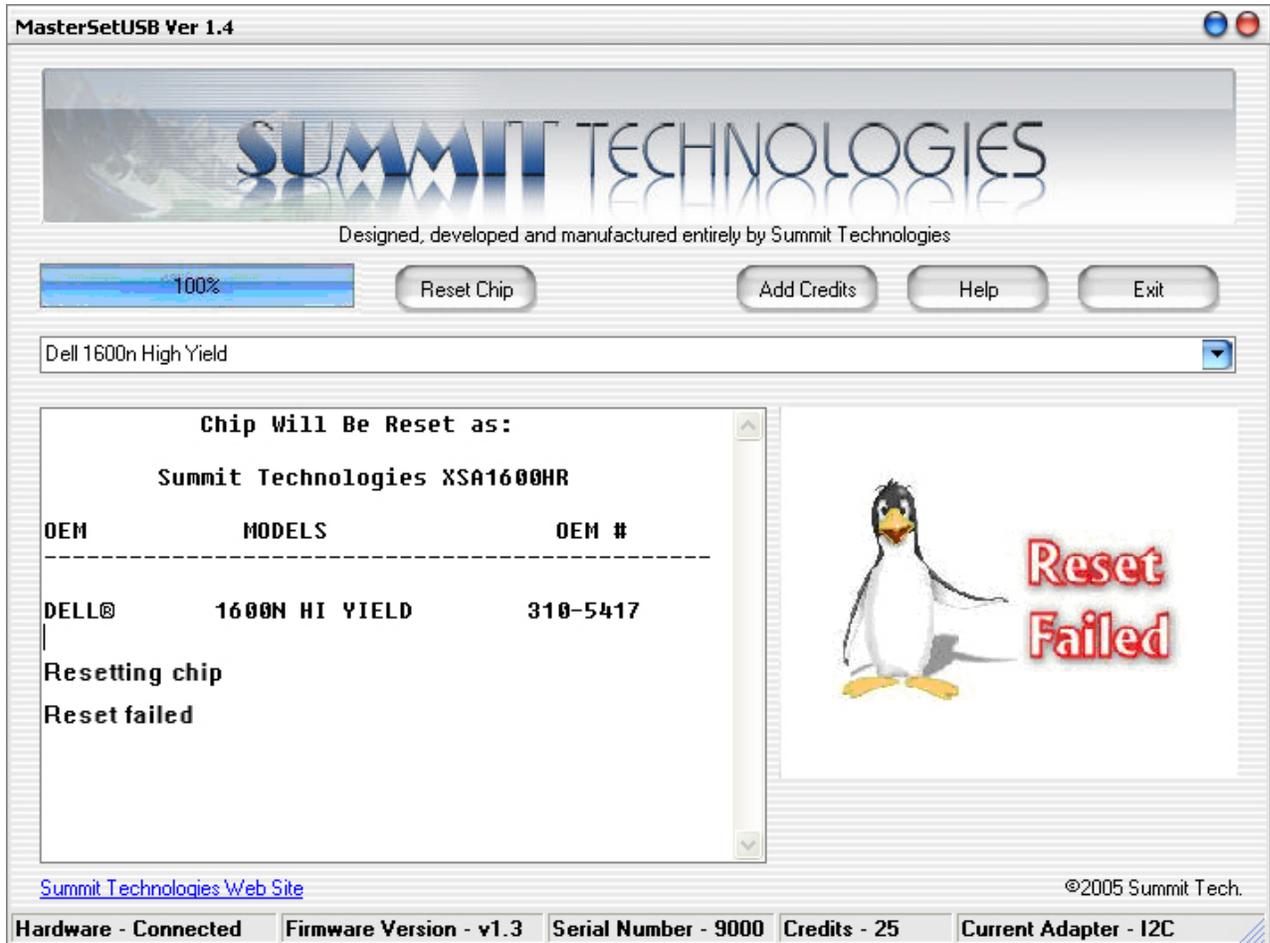


- If successful, “RESET PASSED” will appear in print in green letters, confirmation of chip identity is displayed, and one Reset Credit will be deducted from available credits.

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CHIP RESETTING – Continued

- If not successful, “RESET FAILED” will appear in red print; display will show reset status, and no reset credit is deducted.

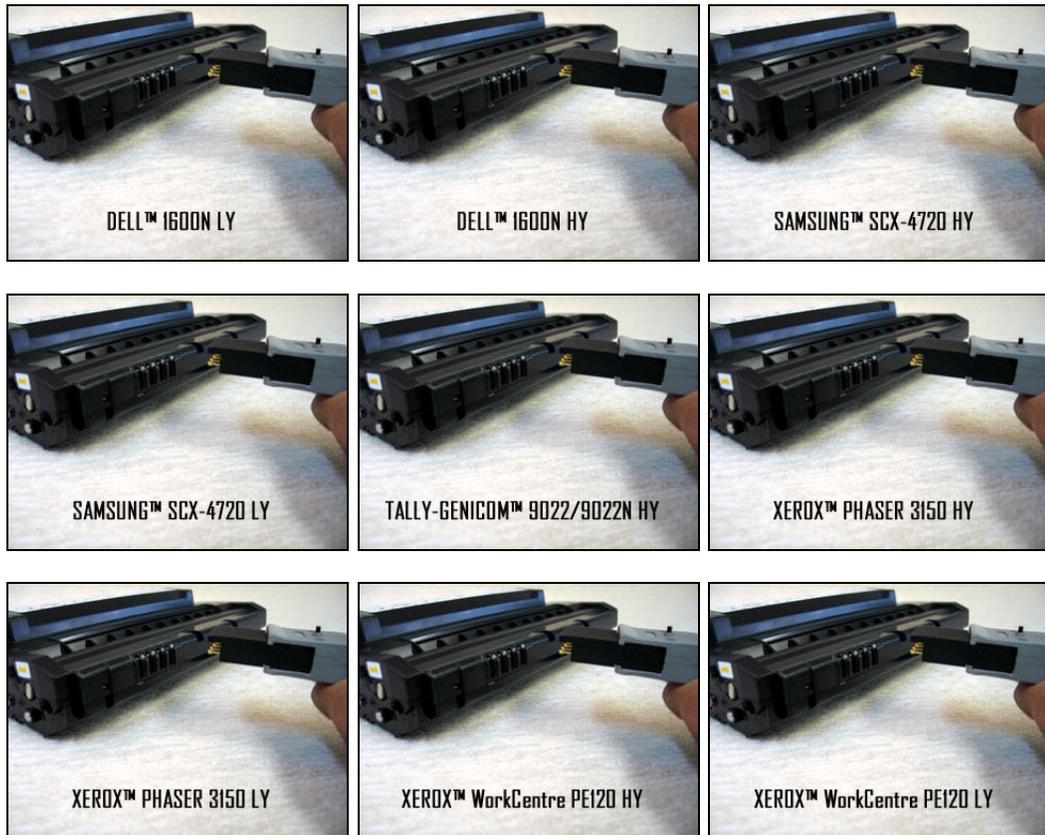


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HELP SCREEN

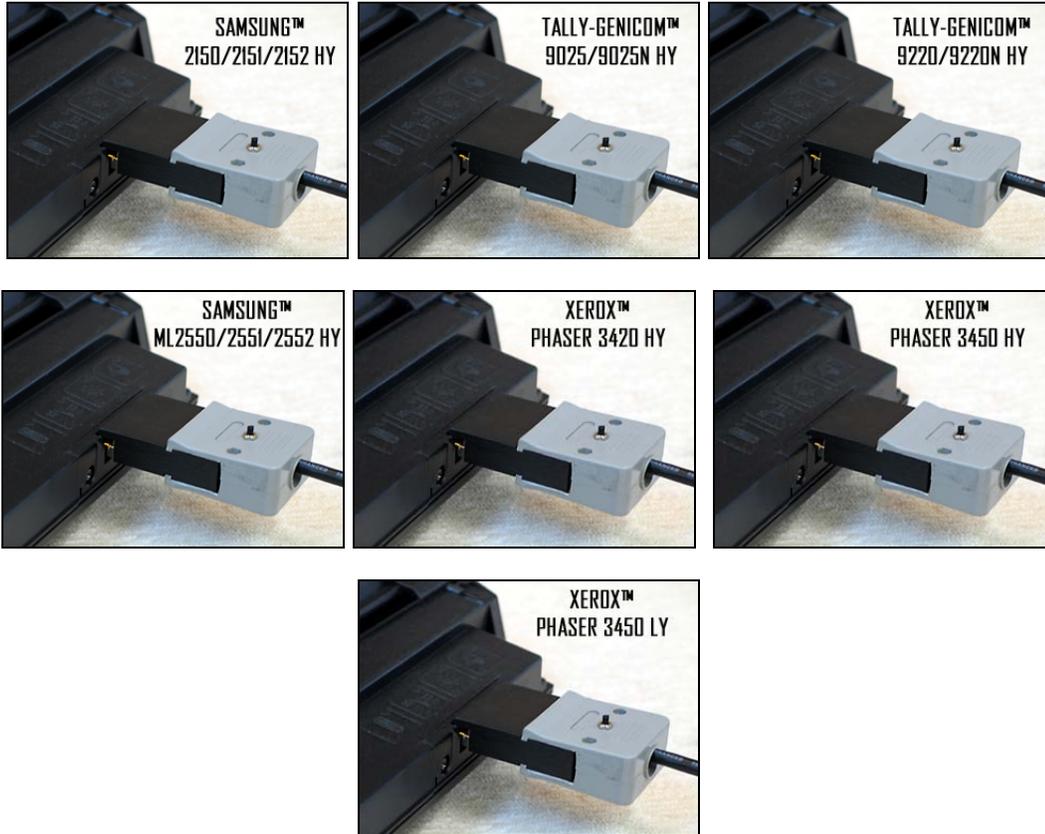


- For assistance in using the reset box, click on the “HELP” button. Continue clicking on the HELP button to cycle through the different images (sample shown):



2250 STYLE (Samples shown – others in same family will be similar)

HELP SCREEN - continued



2150/2550 STYLE

(Samples shown – others in same family will be similar)



510/6100 STYLE



6320/MP20 STYLE

NOTE – THE 510/6100 STYLE CAN BE RESET TO THE EXISTING MODEL ONLY.

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RESET TROUBLESHOOTING

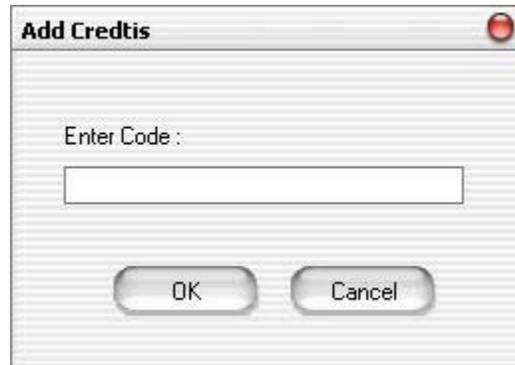
- Reset failures may occur for several reasons:
 - *First, check to make sure all cable connections are securely plugged into the reset box*
 - *If multiple USB ports are available, make sure unit is plugged into the original USB port when installed. If not, it will have to be installed again on the new port.*
 - *Make sure the chip connector is properly aligned with the contact pads on the chip*
 - *Double-check that the reset head is oriented correctly, and not rotated 180°*
 - *Make sure to press the reset button on the switch once, and only for 2 seconds when resetting a chip.*
 - *If the operation still fails, it is likely that the chip has been damaged, either physically or from electrical discharge. Try another chip.*

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ADDING RESET CREDITS

ADD CREDITS MENU

1. From the main menu screen, click on “Add Credits” button.



2. It is critical when ordering additional reset credits that the specific box serial number be included on the Purchase Order. Codes are specific for each box according to serial number; codes will not work on other boxes.
3. When you have your credit code ready to enter, add the nine digit code. The program is not case sensitive to upper or lower case. Then click “OK.”
4. Once complete, the main menu screen will display the quantity of credits that have been added.
5. **IMPORTANT: The maximum capacity of the reset box is 225 resets. DO NOT add additional resets that will bring the total resets over 225, or the box memory will overflow and you will lose your credits.**
6. If you were unsuccessful in entering a valid reset credit code, or wish to return to main menu, click on “Cancel”.

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TECHNICAL SUPPORT

ERROR MESSAGES

If a problem occurs during the startup operation, the system will show an error message on the screen.

The most common problem is a connection failure, either from the PC to the control box or from the control box to the chip. In any case, follow the screen instructions to fix the problem. Other problems may be from a defective chip.

If all connections on the **MasterSet™ USB** are secure and connection with the PC is still not active, the PC will need to be rebooted.

TECHNICAL SUPPORT

If errors or problems still occur, Technical support is available at no charge on weekdays from 9 AM - 4 PM, Pacific Standard Time; please call (702) 454-6638 (US).

If there are mechanical issues, replacement **MasterSet™ USB** devices are available for immediate shipment.

Check our website at www.summitechnologies.com for new information.

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