HP 45/15 Converter

The 45215 is designed to convert the newer style HP-45 cartridges into HP-15s. These cartridges can be identified by their label: White background with the number 45 centered in a yellow rectangle. All versions of HP-45s with this label can be successfully converted to HP-15s. DO NOT attempt to convert any of the older style, black label, HP-45 cartridges. (Including 51645G.)
Make sure the cartridge electrical contact pads are clean. If needed, clean with a dry soft cloth.

CAUTION: Dirty or corroded contact pads can cause errors during the conversion and cartridge identification processes.
Operating Precautions:
Do not operate in a hazardous environment.
Do not immerse in water.
Clean with a dry cloth.
Unplug the USB cable when you are finished using the unit.
See other listed cautions.

STEP #1—Plug a USB cable into an open USB port and then into the 45215. (No driver required.) After the USB cable is properly connected, the YELLOW power light will illuminate. The RED and GREEN indicator lights will start to alternately blink, indicating the device is ready for a cartridge to be inserted for conversion.

STEP #2—Insert a cartridge into the cartridge slot. Insert the head first with the butt of the cartridge raised. Be careful not to rake the head of the cartridge across the spring loaded contacts. The spring loaded contacts are very sturdy but can be damaged by negligent handling.

STEP #3—Push the cartridge down into the cartridge slot. The slot will properly align the cartridge and spring loaded contacts. (Maintain downward pressure on the cartridge.) As soon as the proper contacts are made the 45215 will test the cartridge to determine if a HP-45 or HP-15 has been inserted.
If the cartridge is a HP-45: The RED and GREEN indicator lights will go out as the cartridge is being converted to a HP-15. After approximately 1 second one of the indicator lights will illuminate. The steady illumination of the GREEN indicator light indicates a successful conversion. Go to STEP #4. The steady illumination of the RED indicator light indicates a problem occurred during the conversion. Clean the cartridge electrical contact pads and repeat STEP#2 and #3. If the second attempt also fails, this indicates a problem with the cartridge.
If the cartridge is a HP-15: Both the GREEN and RED indicator lights will immediately illuminate. The 45215 will not attempt to convert the cartridge.
Go to STEP #4.

STEP #4—Remove the cartridge from the cartridge slot. After removing the cartridge, the GREEN and RED indicator lights will start to alternately flash, indicating the device is ready for another cartridge conversion or to test a newly converted cartridge.

STEP #5—If you would like to test the cartridge after the conversion, just repeat STEP #2 and #3. The 45215 will retest the cartridge to confirm it is now a HP-15. (The GREEN and RED indicator lights should immediately illuminate.)

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