

HDT Uniprocessor Adapter Kit Quickstart Instructions

Software

Before using the AMD Hardware Debug Tool (HDT) Uniprocessor Adapter Kit, please download the latest HDT software from your respective AMD NDA Web site and install on a host computer. Do not launch the HDT program until completing the steps outlined below.

Hardware

The HDT adapter consists of the Raven and the AMD K8 box. The adapter is compatible with AMD 7th and 8th Generation family processors. The HDT kit ships with a 26-pin ribbon cable connected to the AMD K8 box. The 26-pin ribbon cable is compatible with AMD 8th Generation family processors, codenamed Hammer. If debugging a motherboard that uses an AMD Athlon™ or AMD Duron™ processor, open the AMD K8 box using a small screwdriver, then plug in the supplied 16-pin ribbon cable into the unused header and remove the 26-pin ribbon cable. Only one cable should remain connected to the AMD K8 box. Be sure and replace the box cover before applying power.

Setup

Figure 1 shows how the HDT adapter is connected between the host computer and motherboard. Refer to Figure 1 while following the steps below in exact sequence.

1. Ensure that the AC power cord to the power adaptor is not connected.
2. Connect the parallel port cable between the host computer and the box labeled “Raven.”
3. Connect the ribbon cable from the AMD K8 box to the HDT connector on the motherboard. Note the orientation of the ribbon cable connector: the colored wire goes to pin 1 on the motherboard.
4. Apply power to the motherboard and boot.
5. After the motherboard beeps, connect the AC power cord to the power adaptor.

Check Connection

1. Double click the HDT program icon for the appropriate processor to launch the HDT software.
2. Choose File > New Workspace.
3. Expand the DCache file tree, click the DCache Data Array window, then click the Refresh button.

A good connection is indicated by a white background in the dialog box. A red background indicates that a connection has not been established between the host computer and motherboard: check all connections and setup sequence.

Please forward questions or comments to debug.tools@amd.com.

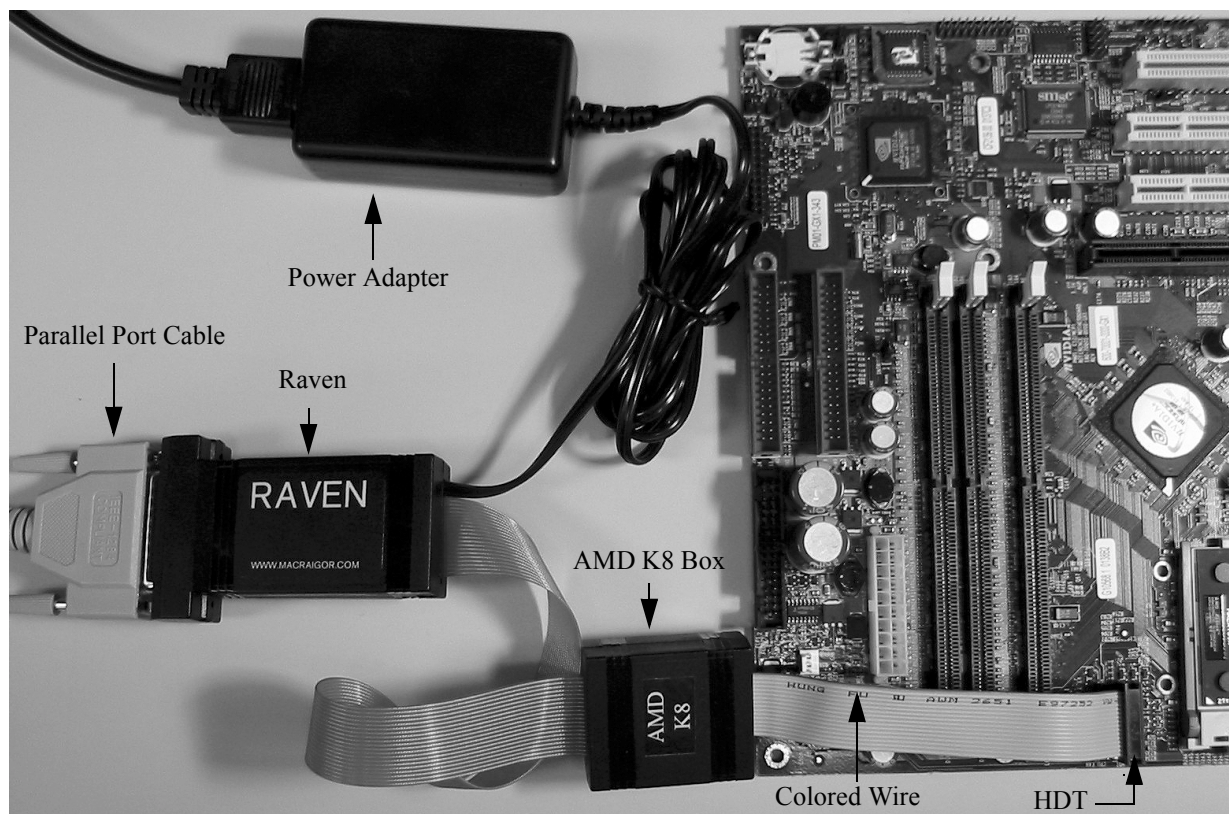


Figure 1. HDT Connections