



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for HARMAN KARDON AVR 645. You'll find the answers to all your questions on the HARMAN KARDON AVR 645 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

- User manual HARMAN KARDON AVR 645
- User guide HARMAN KARDON AVR 645
- Operating instructions HARMAN KARDON AVR 645
- Instructions for use HARMAN KARDON AVR 645
- Instruction manual HARMAN KARDON AVR 645

## HARMAN KARDON® AVR 445/AVR 645 SOFTWARE UPGRADE INSTRUCTIONS

Harman Kardon is pleased to offer this software upgrade to improve the audio and video performance of your AVR 445 or AVR 645. Unlike many consumer audio products that are designed with "fixed" memory, these Harman Kardon® products feature flash memory, which makes it possible to upgrade their internal software through a standard USB port. To install the upgrade, please follow the instructions on this sheet. If you have any questions, consult our Web site at [www.harmankardon.com](http://www.harmankardon.com).

### Important Note:

This software is specially designed for use with Harman Kardon's AVR 445 and AVR 645 receivers. Use with any other models or brands may cause damage to the product. DO NOT USE THIS SOFTWARE WITH ANY PRODUCTS OTHER THAN THE HARMAN KARDON AVR 445 OR AVR 645.

### System Requirements

To install the upgrade, you will need a standard USB Type A to Mini Type B® cable (you may already have this type of cable for connecting your computer to a digital still camera or cell phone). The cable may be obtained at most computer or electronics stores.

You will also need access to a computer that is close enough to be connected to the AVR being upgraded. The minimum system requirements for the computer are:

- Processor: Intel® Pentium® I processor or equivalent, or higher
- Operating system: Windows® 2000 SP4 or higher, Windows XP or Windows Vista™ system
- Hard drive space: 10MB available
- System RAM: 128MB
- CD-ROM drive (when using upgrade disc only)
- USB port

### Installation Instructions

Upgrading your AVR 445 or AVR 645 is easy, but for the upgrade to work properly, it is important to precisely follow the instructions below. PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE PROCEEDING.

- If you are using files downloaded from the Harman Kardon Web site to upgrade the AVR 445 or AVR 645, use Windows Explorer or any other file management program to locate the folder where you have downloaded the upgrade file. Click on the zip file named "AVRxxxxEUUpgrade.zip", noting that the "xxx" will be replaced by the model number of your receiver. When you do this, the file will automatically unpack all of the files needed to upgrade your AVR 445 or AVR 645.
- If you are installing the upgrade from a CD-ROM, insert the disc in your computer's CD-ROM drive.

- Upgrading your AVR 445 or AVR 645 will erase all system memories. This means that any configuration settings or jump presets that you have entered will be lost. To make it easier to re-establish the settings after completing the upgrade, you may wish to write down your current system configurations using the worksheets that are included with this software package. To print those worksheets, use Windows Explorer or another file management program to locate the Worksheets.pdf file in the directory where the upgrade files have been saved. Click on the file to open it with Adobe® Reader® software and then print copies as needed.
- Make certain that the Main Power switch (behind the front-panel door) on your AVR is turned off, and then connect the USB cable to your computer and to the jack on the rear panel of your AVR.
- Press in the Main Power switch on your AVR, but leave the receiver in Standby mode.
- Locate the directory for the downloaded files or CD-ROM and click on the file named "HK\_Upgrade.exe." It should be easy to recognize, as there will be a small Harman Kardon logo near the file name, depending on the display mode for your file manager.
- A new window will open on your computer screen when the Loader program starts. Click NEXT to proceed.
- The next screen contains the End User License Agreement that covers the software upgrade. Please read this important document, using the scroll bar on the right side of the window to move down through the copy. If you agree to the terms of the agreement, click I ACCEPT to proceed; otherwise, click I DECLINE to cancel the upgrade and exit the Loader program.
- Enter the serial number of your receiver in the spaces provided on the next screen, making sure to enter any capital letters exactly as you see them on the serial number label. Do not



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<http://yourpdfguides.com/dref/4256075>

**Manual abstract:**

Unlike many consumer audio products that are designed with "fixed" memory, these Harman Kardon® products feature flash memory, which makes it possible to upgrade their internal software through a standard USB port. To install the upgrade, please follow the instructions on this sheet. Use with any other models or brands may cause damage to the product. This means that any configuration settings or tuner presets that you have entered will be lost. To make it easier to re-establish the settings after completing the upgrade, you may wish to write down your current system configurations using the worksheets that are included with this software package. To print those worksheets, use Windows Explorer or another file management program to locate the Worksheets.pdf file in the directory where the upgrade files have been saved. Click on the file to open it with Adobe® Reader® software and then print copies as needed. will be replaced by the model number of your receiver. A new window will open on your computer receiver. When you do this, the file will autoscreen when the Loader program starts.

atically unpack all of the files needed to Click NEXT to proceed. upgrade your AVR 445 or AVR 645. The next screen contains the End User License Agreement. If you are installing the upgrade from a License Agreement that covers the software CD-ROM, insert the disc in your computer's upgrade. Please read this important document, using the scroll bar on the right side of the window to move down through the copy.

Click NEXT after the serial number has been entered. Click NEXT to continue. Click on the file so that it is highlighted and then click Open. Follow the steps shown below to reset your AVR to complete the upgrade and verify that the proper software version has been loaded. Turn to make sure that VERSION 4.

07 is displayed. After a few seconds, the unit will return to Standby mode. When you have verified the correct software version, the upgrade is complete and you may click EXIT to close the Loader program. At this time, you may disconnect the USB cable from your computer and the AVR. The AVR is now ready for normal operation. Turn off the Master Power switch, located behind the front-panel door, by pressing it in and then releasing it so that it pops out. Restoring Settings and Recalibrating Your Receiver Since the upgrade and reset process erases any of the system configuration data and tuner presets stored in your receiver, it is important that you reenter that data. CONGRATULATIONS! Reset the receiver's processor by pressing and holding the Surr Mode and RDS Mode buttons at the far left and right on the front panel; release them when the unit turns on and the word RESET appears in the front-panel display. Check the version number for the software by pressing the Standby/On switch to put the unit in Standby mode. All rights reserved.

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