

MIGRATING FROM AWRDE v7.0x to v7.50

This document summarizes issues you need to address when migrating to v7.50 from any of the AWR Design Environment (AWRDE) v7.0x releases. Note that not all topics will apply to every user. If you are not familiar with a topic or program feature included here, it probably does not apply to your use of the software.

The topics discussed are in no particular order. Please read through this entire document and then develop your migration strategy. You should direct any questions to support@appwave.com.

NOTE: Throughout this document two abbreviations simplify directory names.

AppData70 refers to:

```
C:\Program Files\Documents and Settings\YourUserName\Application Data\AWR\Design Environment\7.0
```

...and **AppData75** refers to:

```
C:\Program Files\Documents and Settings\YourUserName\Local Settings\Application Data\AWR\Design Environment\7.5
```

Note the subtle difference between these two paths (Local Settings is in the v7.50 path but not in the v7.0x path), and make sure that your Windows Explorer is set to show hidden and system files. AWR made this change in the user directory structure to better comply with Windows Vista™.

TOPIC: License File

TARGET: License Administrators.

AWRDE version 7.5 requires a new license file. Please request a new license file by sending an email to licenses@appwave.com with a copy of your current license file.

Your version 7.5 license file also works with version 7.0X. If you are using a floating license server, you will need to have at least version 9.2 of lmgrd.exe. Most users won't need to update their lmgrd to run version 7.5 if previously running version 7.0.

TOPIC: Multiple AWR Versions

TARGET: AWR software installers.

Most users will keep version 7.0X installed when running version 7.5 to ensure their designs upgrade properly before converting permanently to version 7.5.

When you install version 7.5, both versions will run. Uninstalling any version may result in some registry problems; therefore, when you uninstall, we recommend you also repair your active installation. One way to repair your installation is to open the **Control Panel** and double-click on **Add or Remove Programs**. In the dialog box that opens, find your AWRDE installation and click on the "Click here for support information" link to open another dialog box, then click the **Repair** button.

TOPIC: GLOBAL SCRIPTS (global.mws)

TARGET: Global (available in any project) Visual Basic (VB) script users

The AWRDE is shipped with several very useful global VB scripts that are ready to run in any project. These scripts are stored in **global.mws**, which is located by default in the following directory:

AppData70 for v7.0

AppData75 for v7.5

Since **global.mws** may be updated with each release, you should not copy it from the AppData70 directory to the AppData75 directory. Instead, you should perform the following short procedure for each of your original (non-AWR) global scripts:

- In v7.0x, in the scripting environment, expand the global scripts node, right-click the script name and choose **Export YourScriptName**
- In v7.50, in the scripting environment, right-click the **Script (global.mws)** node and choose **Import File**. Navigate to the saved **.bas** file and import it into **global.mws**.

This method ensures that you retain access to AWR's set of pre-defined scripts as well as any custom programming you have done to help your specific application(s), while also preserving any new scripts delivered in v7.5.

TOPIC: CUSTOMIZATIONS (customizations.xml)

TARGET: Users who customize the AWRDE using the Customize dialog box (choose **Tools > Customize**) to set hotkeys or change the menus and toolbars

You can safely copy **customizations.xml** from **AppData70** to **AppData75** to migrate your menus, toolbar settings, and hotkey assignments.

TOPIC: USER-DEFINED XML LIBRARIES

TARGET: Local XML libraries (anything not from the AWR web library) users

Many users either choose to install a local copy of the XML libraries or add to the default installation with other vendor-specific XML libraries. The default location is the **AppData70** directory.

You should install user XML libraries in a version-independent location, such as:

C:\Documents and Settings\YourUserName\Local Settings\Application Data\AWR\Design Environment\Library

Depending on how you have installed the libraries, use the appropriate method below to migrate to v7.50:

- If you installed in the default location, you need to copy (for libraries without installers) or reinstall (for libraries with installers) from the v7.0 location to the new location. You should choose a version-independent directory for this installation. In addition, you will need to edit your top-level **xml.lib** file (located in C:\Program Files\AWR\AWR2007\Library) to point to the new location.

- If you already installed in a version-independent location, all you need to do is edit **xml.lib** (located in C:\Program Files\AWR\AWR2007\Library) to point to the installed directory location.

TOPIC: INITIALIZATION FILE (user.ini)

TARGET: All users

The **user.ini** file contains environment settings, toolbar settings, custom layout modes, and other environment defaults. The easiest way to preserve these settings is to simply copy **user.ini** from **AppData70** to **AppData75**.

TOPIC: MATERIAL DEFINITIONS (materialdefs.xml)

TARGET: Users who modified the default materials in the EM interface

There are several pre-set materials available in the EM interface such as FR4, alumina, etc. If you modified these settings, you can simply copy **materialdefs.xml** from **AppData70** to **AppData75**. If you have not modified these settings, no action is required.

TOPIC: USER-FILLED X-MODEL TABLES

TARGET: Users who have filled any X-Model tables in v7.0x (but not v6.5x)

AWR strongly recommends that any X-Model tables filled in v7.0 be replaced by X-Model tables filled in v7.5. Tables filled in v6.5x should be fine and you can simply copy them. If you are unsure of the version used to fill a table, check the date on the file and contact AWR Support for assistance.

AWR now provides convenient Auto-Fill projects that you can use to easily fill the tables for a given dielectric constant, including all X-models that apply for the specific line configuration (i.e. microstrip, stripline, etc.). These projects are available in ...Examples\Microwave_Office\Features\X_Models. (NOTE: Auto-Fill projects generally take several hours to complete.)

Also new in v7.5 is the location for any X-model tables that are user-created. The old location was in AWR_Install_Dir\EM_Models. The new location is **AppData75\em_models**. AWR is trying to move all user-created content out of the installation directory and into a version-independent user location for consistency with Windows Vista.

TOPIC: REDIRECTION

TARGET: Users of any type of file redirection

In networked environments, some users may choose to change the default location for certain files. Complete information on redirection is available in the AWR Installation Guide under "Configuring Program File Locations". If you use this capability, ensure that you make the same changes in v7.5 that you set up for v7.0.

TOPIC: LAYOUT MODES

TARGET: Users of any user-defined layout modes

User-defined layout modes should be transported along with the **user.ini** file. See "Initialization File" in this document. No additional setup is required.

TOPIC: FLOATING LICENSE MIGRATION (lmgrd.exe and awrd.exe)

TARGET: Users who operate a floating network license

You do not need to update license manager files when migrating from v7.0 to v7.5. You can run the v7.0 **awrd.exe** and v9.2 or higher of **lmgrd.exe**. Using the latest versions of these files is recommended.

The only exception to this is if you are running Windows XP 64-Bit OS and your floating network is tied to a USB hardware key. (This is extremely rare!) In this case, you need an updated **awrd.exe** and v11.3 of **lmgrd.exe**. Your system administrator may provide assistance with any floating license issues.