



## **HAMR56 v2.81 Driver Software Release Notes**

### **June 29, 2000**

#### **Release Contents**

This release contains modem drivers and tools for Smart Link's HAMR56-based modems.

Each driver supports all riser card form factors (AMR, CNR and ACR), for the following core logic chipsets: Intel 810/820/815E/820E/440MX (Banister), VIA 686A, SiS 540 / 630, ALI M1535/M1535+.

Three driver sets are included, for the following operating systems:

- Windows 95, Windows 98 & Windows 98 SE
- Windows 2000
- Windows NT 4.0

Note: Windows 98 drivers are also suitable for Windows Millennium.

For more details on this release, including Installation, Known issues and Changes, please read the Readme.txt and Changes.txt files included in the driver ZIP file.

The Readme.txt file is a part of the drivers and is intended for end users.

The changes.txt file is intended only for OEM use and should not be delivered to end users.

#### **Main Issues Addressed In This Release**

1. Improved V.90 performance.
2. Added support for Intel's CNR cards (I-820E and I-815E core logic chipsets).
3. Added support for ALI M1535 and ALI M1535+ core logic chipsets.  
Note: ALI audio drivers must be installed first. Following audio driver installation, the OS will automatically prompt to install modem drivers.
4. Added voice support under Windows 2000.
5. Added "Adaptive Answer" feature (distinguishing between incoming fax and data calls) under Windows 2000.

6. The default power-down mode is now D3Hot instead of D3Cold, due to problems detected with several motherboard designs. The OEM can change the default mode back to D3Cold using SLCustom (click [here](#) for a picture).
7. SLCustom allows multiple unique PnP ID's to be typed in (although this is not recommended for WHQL logo submissions).
8. The same customization file (\*.SLC) can now be read on any supported OS. For instance, you can customize Windows 98 drivers, create an SLC file, and later use it to customize the Windows 2000 drivers.
9. PTTWizard can now import parameters from existing INF files, to assist in driver customization process (for more details, refer to the application note "PTTWizard\_Import\_Feature.pdf", available separately from Smart Link).
10. SLCustom, PTTWizard, SLRecord, VxDTrace and VxDMon can now be used under Windows 2000.
11. SLRecord's user interface was changed to VCR-like controls (click [here](#) for a picture).
12. During uninstallation, user is now prompted to either restart or shutdown the PC, to ensure proper removal of drivers from memory (click [here](#) for a picture).
13. Software version is displayed in the "Modem Country Selection" control panel applet (click [here](#) for a picture).
14. Added a built-in Self Test tool, to assist support staff when dealing with end-users calls (for more details, contact Smart Link support).
15. Added "Safe Mode" feature (enabled from the "Configuration" tab of the "Modem Country Selection" control panel applet). When enabled, this feature forces all connections to V.34 (click [here](#) for a picture).
16. Several bugs were fixed (see "changes.txt" for more details).

## Known Issues In This Release

1. On some motherboards, wake-up on ring from S4 (Hybernation) does not work in D3Hot mode (the default in this version).  
Workaround: Use SLCustom to enable D3Cold (click [here](#) for a picture).
2. The minimum system requirements for Windows 2000 is at least 64MB RAM. Using the modem with less RAM may result in system crashes.

## Files List

### Windows 95 / 98 Drivers:

#### HAMR56-v2.81-MO.zip

##### Data / Fax modem driver for Windows 9x

Intended for customization by OEM and eventual end customer distribution.

#### OEM-HAMR56-v2.81-MO.zip

##### Data / Fax modem OEM files:

- **AMR\_MO\_NC.DLL** - SLCustom DLL file for customizing the modem drivers. SLCustom will prompt for this file during customization.
- **MDMMTL.TPL** - SLCustom TPL file. Please place this file in same directory as AMR\_MO\_NC.DLL.
- **CHANGES.TXT** - Text file containing driver changes from previous releases (for OEM use only).
- **HAMR5600-FAQ.PDF** - Acrobat file containing Frequently Asked Questions and answers about HAMR5600.

## **HAMR56-v2.81-MV.zip**

### **Voice modem driver for Windows 9x**

Intended for customization by OEM and eventual end customer distribution.

## **OEM-HAMR56-v2.81-MV.zip**

### **Voice modem OEM files:**

- **AMR\_MV\_NC.DLL** - *SLCustom DLL file for customizing the modem drivers. SLCustom will prompt for this file during customization.*
- **MDMMTL.TPL** - *SLCustom TPL file. Please place this file in same directory as AMR\_MV\_NC.DLL.*
- **CHANGES.TXT** - *Text file containing driver changes from previous releases (for OEM use only).*
- **HAMR5600-FAQ.PDF** - *Acrobat file containing Frequently Asked Questions and answers about HAMR5600.*

## Windows 2000 Drivers:

### HAMR56-V2.81-MO-Win2K.zip

#### Data / Fax modem driver for Windows 2000

Intended for customization by OEM and eventual end customer distribution.

### OEM-HAMR56-v2.81-MO-Win2K.zip

#### Data / Fax modem OEM files:

- **AMR\_MO2000\_NC.DLL** - SLCustom DLL file for customizing the modem drivers. SLCustom will prompt for this file during customization.
- **MDMMTL.TPL** - SLCustom TPL file. Please place this file in same directory as AMR\_MO2000\_NC.DLL.
- **CHANGES.TXT** - Text file containing driver changes from previous releases (for OEM use only).
- **HAMR5600-FAQ.PDF** - Acrobat file containing Frequently Asked Questions and answers about HAMR5600.

### HAMR56-V2.81-MV-Win2K.zip

#### Voice modem driver for Windows 2000

Intended for customization by OEM and eventual end customer distribution.

### OEM-HAMR56-v2.81-MV-Win2K.zip

#### Voice modem OEM files:

- **AMR\_MV2000\_NC.DLL** - SLCustom DLL file for customizing the modem drivers. SLCustom will prompt for this file during customization.
- **MDMMTL.TPL** - SLCustom TPL file. Please place this file in same directory as AMR\_MV2000\_NC.DLL.
- **CHANGES.TXT** - Text file containing driver changes from previous releases (for OEM use only).
- **HAMR5600-FAQ.PDF** - Acrobat file containing Frequently Asked Questions and answers about HAMR5600.

## Windows NT 4.0 Drivers:

### HAMR56-v2.81-MO-NT4.zip

#### Data / Fax modem driver for Windows NT 4.0

Intended for customization by OEM and eventual end customer distribution.

## Tools:

### SLTools-Ver2.81.ZIP

#### Smart Link Tools

Driver customization and debugging tools.

**NOTE: YOU MUST USE THE NEW TOOLS WITH THIS DRIVER RELEASE !  
OLDER TOOLS WILL NOT WORK WITH THESE DRIVERS AND MAY CAUSE PROBLEMS.**

## Contact Information

If you have any questions, please contact Smart Link at:

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## Appendix – Screen Shots

Figure 1 - Enabling D3Cold With SLCustom

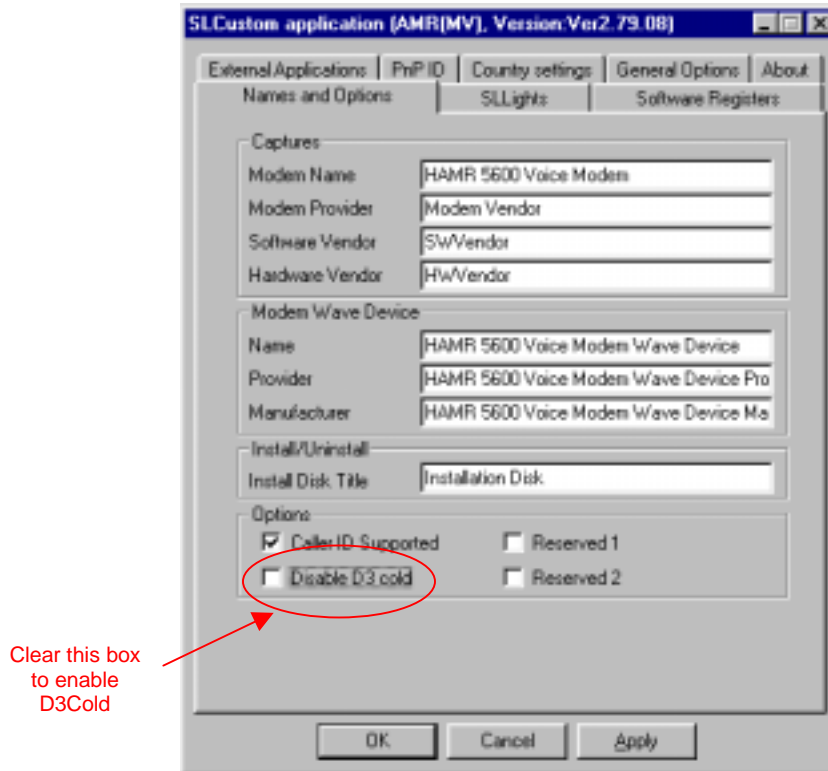
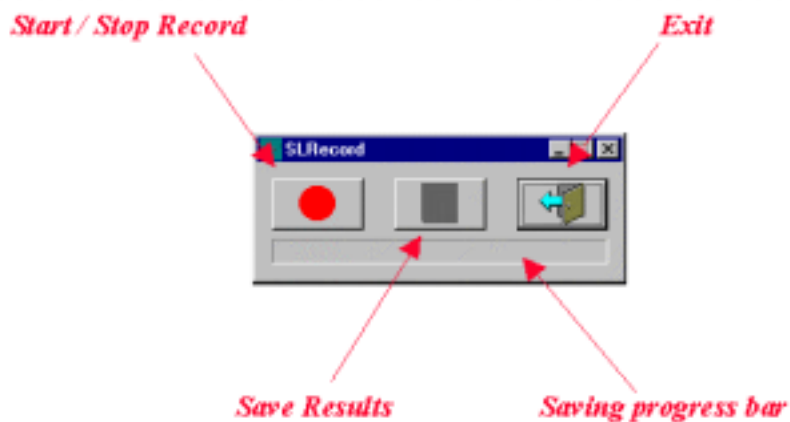
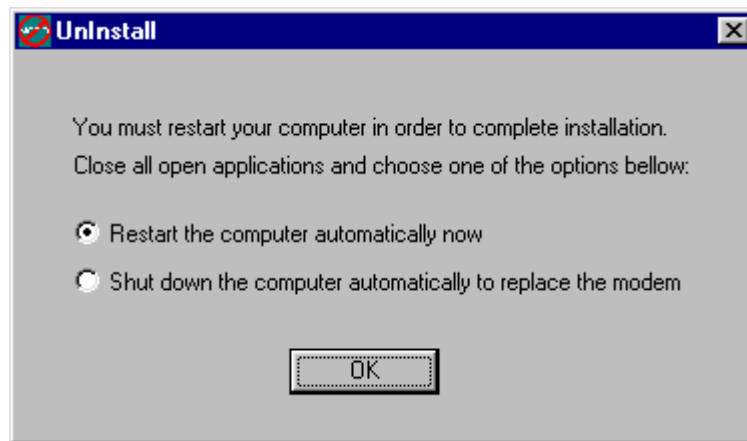


Figure 2 - New User Interface of SLRecord



*Figure 3 - Uninstallation Prompts To Either Restart or Shutdown*



*Figure 4 - Modem Configuration Page*

