

Multiwave Innovation

CommWave 336 / CommWave 336 PnP

33.6 kbps Data+Fax+Voice+Speakerphone Host Signal Processing Plug and Play Internal Modem

Version 3.0it

[ITALY Country Settings]

[Intel or AMD Pentium CPU Driver]

Drivers and Setup for Windows 95

Date : 9 April 1997

WHAT'S NEW For Released Ver. 3.0it

14-03-97: PCT2.16

PCT2.16

General Improvements:

- **IMPROVED 33600BPS COMPATIBILITY AND CONNECTIVITY WITH US ROBOTICS AND CIRRUS LOGIC MODEM.**
- **NEW SPEAKERPHONE ENGINE HAS IMPROVED PERFORMANCE.**
- **UNIVERSAL DRIVER SUPPORT TO AVOID DIFFERENT DRIVERS FOR DIFFERENT COUNTRY REQUIREMENTS.**
- **NEW SUPPORT FOR HANDSHAKE SIGNAL MONITORING THROUGH ANY SOUND CARD.**
- **INDIVIDUAL MODEM DRIVER VERSION CONTROL FOR WINDOWS 95.**

Software bug fixes:

VMODEM.386:

- (1) V.17 short train improvement.
- (2) 33.6 compatibility with USR and Cirrus based modem. Timing recovery routine is improved. Connectivity and SNR performance are improved.
- (3) 32 state trellis coder compatibility problem.
- (4) Calling tone generation in V.34 mode is added.
- (5) 2100Hz tone detection is modified to meet French PTT requirement.
- (6) Dial tone detection filter is modified to meet European PTT requirement.
- (7) Non-Pentium driver connection/CPU speed is optimized.

VPCTCOM.386:

- (1) Ring detection algorithm is enhanced to meet European PTT requirement.
- (2) V.23 Minitel connection fix.
- (3) &Y command handling.
- (4) Call progress tone detection for different country in voice record termination.
- (5) Handshake signal monitoring through sound card.
- (6) Fix data/Fax mode switch in non voice auto answer mode.
- (7) Fix inactivity timer test and speed adjust test problem found in Microsoft Compatibility Test.
- (8) Fixed calling tone generation in V.34 mode.
- (9) Fixed bug which causes unreliable blacklist function.
- (10) Set B0 as default for European countries.

MDMCHIPV.INF:

- (1) Resolve installation problem found in Microsoft Windows 95 OEM Service Release 2.
- (2) Pass Microsoft Modem Compatibility Test requirement in January 1997.

PTSERIAL.VXD:

- (1) OPD pin control is enabled.

COMM.DRV:

- (1) IBM Internet connection problem in Windows 3.1x.

* WHAT'S NEW For Released Ver. 2.15S *

Modem Function

- * Support V.34bis/33.6kbps modem speed.
- * Speakerphone feature is supported. This feature requires the Full Duplex audio driver support for sound card using Crystal 4236/4232, ESS 1868/1888, Opti 931 or Creative Vibra 16.
- * Power management mode handling is modified.
- * V.34 rate renegotiations is supported.
- * Resolve "Cannot open port" bug for Triton 2 motherboard (Intel SB82371SB chipset)

Voice Function

- * Microsoft Phone voice playback volume issue fixed.

AT Command Addendum

- * International call progress tones handling (via %I command) are added.

* WHAT'S NEW For Released Ver. 2.12 *

Modem Function

- * add TAPI support.
- * Requires to install Microsoft UNIMODEM for TAPI first.
- * Microsoft UNIMODEM V can be obtain from Microsoft WEB page. <http://www.microsoft.com>
- * Added CPU utilization feature(default 70 %)
- * Improved v27 connectivity
- * Improved V32 connectivity
- * Improved V34 S/N
- * The V.34 pre-emphasis filter is added and that will improve the connection robustness for both local and remote modem.
- * Fixed V34 retrain problem with one of AT&T DSP based V34 modem.

Com Port Function

- * Default Transmit level is -11 dBm
- * 50ms fax TX termination delay added to improve fax compatibility.
- * Bug fixed in TIES for ALB

Voice Function

- * Fixed busy tone detection