

Release Notes for MPEG ComMotion UDP 3.6

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1. System Requirements

- Pentium II 350 MHz
- One of the following operating systems:
 - Windows 98
 - Windows NT 4.0 with Service Pack 4 or higher
 - Windows 2000 Professional with Service Pack 2 or higher
- 128 MB RAM
- One full size PCI slot (for MM200 encoding boards) or one half-size PCI slot (for MM200S encoding boards).
- One of Optibase's MPEG MovieMaker, MPEG MovieMaker 200, 200S or 200S Publisher encoding boards.
- VGA or SVGA Graphic board (800x600)
- CD-Rom drive
- 100BaseT Ethernet card

2. Installation

- **For MPEG Composer Users:** MPEG ComMotion UDP's components and MPEG Composer must be installed on separate PCs.

Before installing MPEG ComMotion UDP 3.6, you must install the relevant Optibase MovieMaker board and associated drivers. For instructions on how to install MovieMaker boards, refer to the associated installation guide.

2.1. Installing Drivers for MovieMaker Boards

For Windows 98:

1. When you switch on your PC, the Hardware wizard appears with the message **New Hardware found**.
2. Insert the MPEG ComMotion UDP CD and follow the on-screen instructions; you will be asked for the folder where the Windows 98 Inf files reside.
3. On the MPEG ComMotion UDP CD, navigate to **Win98** and click **OK**; the Windows 98 drivers for the relevant hardware boards are installed.

For Windows 2000:

1. When you switch on your PC; the Hardware wizard appears with the message **New Hardware Device found, PCI Multimedia Device**.
2. Click **Cancel** and proceed with the MPEG ComMotion UDP 3.6 installation as explained below.

For Windows NT:

- Windows NT automatically installs the necessary drivers.

2.2. Installing MPEG ComMotion UDP 3.6

1. Insert the MPEG ComMotion UDP CD and navigate to the RTE SDK folder.
2. Run **Setup** and follow the on-screen instructions; MPEG ComMotion UDP 3.6 is installed. To install the optional Diagnostics tool, follow the on-screen instructions.

2.3. Adding additional MovieMaker Boards

- To install MovieMaker boards, refer to the instructions in the associated installation guide.

For Windows 98:

1. After installing the relevant MovieMaker board, when you switch on your PC, the Hardware wizard appears with the message **New Hardware found**.
2. Insert the MPEG ComMotion UDP CD and follow the on-screen instructions; you will be asked for the folder where the Windows 98 drivers reside.
3. On the MPEG ComMotion UDP CD, navigate to **Win98** and click **OK**; the Windows 98 drivers for the encoding boards are installed.

Windows NT and 2000:

- After installing the relevant MovieMaker board, switch your PC on; your new configuration is installed automatically.

2.4. Upgrading MPEG ComMotion UDP

- Insert the MPEG ComMotion UDP CD and click **Setup**, if **Setup** does not start automatically. Follow the on-screen instructions; MPEG ComMotion UDP is upgraded.

3. New Features

- **Low Latency Mode:** Reduces the end-to-end (encoder-decoder) latency for MPEG-1 and MPEG-2 streams and utilizes ML@MP to keep high video quality. For further information and instructions, refer to MPEG ComMotion UDP's help file available in MPEG ComMotion UDP's Menu bar.
- **Low Latency at ML@SP (Simple Profile):** Enhances the reduced end-to-end latency for MPEG-2 streams with MPEG MovieMaker 200 and 200S Networker platforms. For further information and instructions, refer to MPEG ComMotion UDP's help file available in MPEG ComMotion UDP's menu.

4. Open Issues

4.1. Network

- To optimize the performance for streams with a video bit-rate higher than 10 Mbps, we recommend setting the audio bit-rate to 384 Kbps and the audio sampling rate to 48 KHz.
- MPEG ComMotion UDP does not support ports higher than 32765.
- To avoid staggering, we recommend using the automatically set UDP Block Size.

4.2. Video

Offset

- The horizontal offset is disabled. To enable Horizontal Offset, go to **rte.ini** and then to the [Encoder] section and add the line **HorizOffset=1**. Please note that that the encoded content may appear blurry after enabling Horizontal Offset.
- Values for horizontal and vertical offset may display incorrectly in the respective lists.

Frame Sampling

- When using frame sampling, video and audio may not be synchronized.
- MPEG ComMotion UDP does not support frame sampling of 1 fps at present.

Reduced Latency

- Make sure that **ML@SP** is cleared if you want to transmit MPEG-1 streams at reduced latency.
- MPEG ComMotion UDP 3.6 does not support Pause/Continue for MPEG-2 at ML@SP.

4.3. Audio

- Audio streams are noisy at 32 Kbps and 64 Kbps.
- Audio streams at 32 Kbps (Mono) and 64 Kbps (Stereo) may stagger if previewed in DWE mode.

5. Technical Support

Optibase authorized resellers and distributors provide technical support for all products. Please contact the reseller or distributor who sold you your Optibase product.

The Optibase Knowledge Base offers technical tips, updates and information about Optibase products. The knowledge base is available at

<http://helpdesk.optibase.com>

The latest documentation for Optibase products is available at

http://www.optibase.com/html/support/doc_files.html