



## MBU Technical Manual Multimedia Version

The accompanying CD-ROM contains a Multimedia Version of the Modern Burner Unit (MBU) Technical Manual in Adobe Acrobat (PDF) format. This version of the technical manual has been specially annotated with live video clips on virtually every topic and procedure. As you page through the manual, you may click on the special video icon that accompanies most topics.

This enhanced technical manual is an excellent resource since it eliminates the need for additional audio visual equipment such as a TV and VCR. Any computer equipped with a CD-ROM drive, sound card, and speakers can be used.

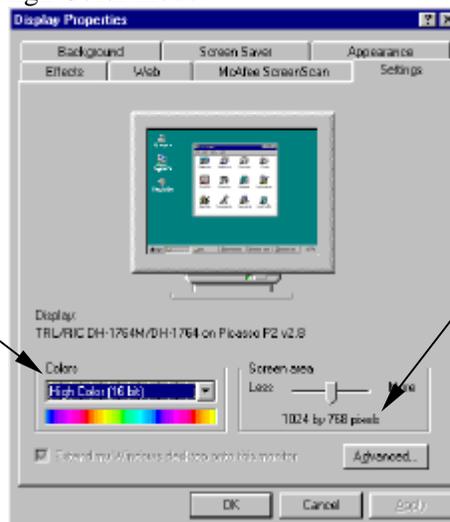
### What do you need to access the manual and view the video clips?

#### Hardware requirements

You must have a CD-ROM drive installed in your system to access the manual. To listen to the audio that accompanies the video clips, you must also have a sound card and speakers installed.

To view the video clips in realistic color, your video display should be set to **“HIGH COLOR (16 Bit)”** mode. To verify this, move to an empty area of your Windows desktop and click the right hand button on your mouse and select **PROPERTIES**. Once the Display Properties dialog box is displayed as shown below, click on the upper tab labeled **“SETTINGS”**. Be sure that **“Colors”** is set to **“HIGH COLOR(16 Bit)”**. For optimum viewing, the **“Screen Area”** should be set to at least **“800 x 600 pixels”**. If your screen area is set greater than **“800 x 600 pixels”**, you may need to reduce it to permit your graphics card to operate in High Color mode.

Set to “High Color (16 Bit) to view video clips in the proper color depth



Screen area should be set to at least “800 x 600 pixels”.

Larger screen areas are also acceptable as long as the graphics display adapter is still capable of operating in High Color mode at the larger screen size

## Software requirements

To access the document and view the video clips, two components must be installed on your computer system; Adobe Acrobat Reader 4.0 and Windows Media Player. Most systems currently running Windows 95 or 98 will most likely have Windows Media Player already installed. Also, since many documents (commercial and government) are already being distributed as Adobe Acrobat PDF files, there is a very good chance that Adobe Acrobat Reader is already installed on your system. However, if it is version 3.1 or lower, it will need to be upgraded to version 4.0.

### Installing Acrobat Reader 4.0 (if required)

If Acrobat Reader is not installed on the computer system, a copy of the setup files can be found in the folder named “**Acrobat Reader 4\_0**” of this CD-ROM. Simply click on the **START** button, followed by selecting **RUN**. Use the **BROWSE** button to navigate to the CD-ROM drive. Open the folder “**Acrobat Reader 4**” and select the file found in the folder. Click **OK** followed by another **OK** to begin installation. Follow the on-screen instructions to complete the installation.

### Installing Windows Media Player (if required)

To view the video clips, Windows Media Player must be installed on the system. To verify that Windows Media Player is installed, click on the **START** button. Slide up to **PROGRAMS** and then **ACCESSORIES**. Select either “**ENTERTAINMENT**” (Windows 98) or “**MULTIMEDIA**” (Windows 95) and look for the entry “**Windows Media Player**”. If it is not found, proceed with installation. This CD-ROM contains version 6.4 of Windows Media Player, so even if Media Player is installed on your system, you may want to upgrade it if your version is older than 6.4.

If Windows Media Player is not installed on the computer system, a copy of the setup file can be found in the folder named “**Windows Media Player 6\_4**” of this CD-ROM. Simply click on the **START** button, followed by clicking **RUN**. Use the **BROWSE** button to navigate to your CD-ROM drive. Open the folder “**Windows Media Player 6\_4**” and select the file found in the folder. Click **OK** followed by another **OK** to begin installation. Follow the on-screen instructions to install the Media Player.

## Accessing and Using the MBU Multimedia Technical Manual

The MBU multimedia technical manual is unique in that it makes use of video clips embedded throughout the document. The video clips serve to enhance and reinforce the information provided in the TM.

To view the technical manual, click **START**, **RUN**, and use the **BROWSE** button to navigate to your CD-ROM drive. Change the “**Files of Type**” to “**All Files**”. Locate the file named “**MBU complete.pdf**”. Click **OK** followed by **OK** again to launch Acrobat Reader and load the document. You may also start the Adobe Acrobat Reader through the **PROGRAMS** tree and open the file “**MBU complete.pdf**” found on the CD-ROM.

When the document opens, you may use either the bookmarks on the left of the page or the Acrobat forward and back page controls to move through the document. Pages that feature a video clip will have a small **video icon** on the page near its associated topic. Simply click on the video icon to view the video.

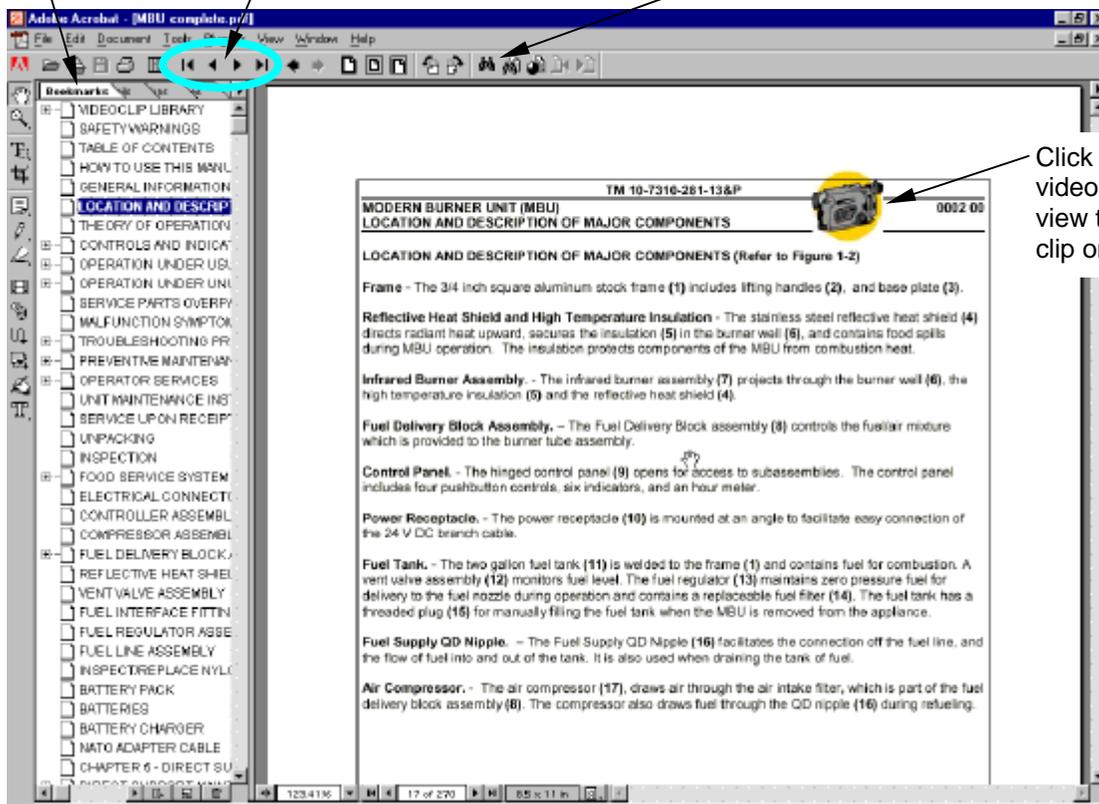


Video Clip Icon

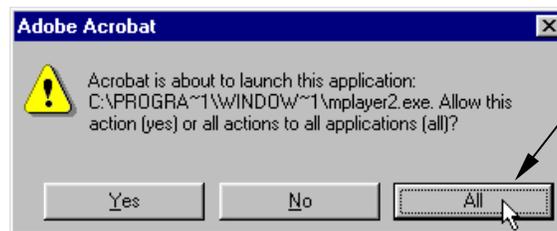
The technical manual has been fully organized and has a full set of bookmarks that allow you to jump to any topic in the manual immediately. Simply click on the desired bookmark to immediately jump to the desired area of the manual. There is also a bookmark labeled “Video clips”. Clicking on the “+” to the left of the label will expand that level and display bookmarks for every video clip in the manual. Click on the desired bookmark to jump immediately to that topic.

This manual also supports comprehensive text search capabilities that permit you to search for any word, phrase, or topic anywhere in the document. Select the Acrobat toolbar icon that looks like a set of binoculars to enter your search criteria.

- Use the bookmarks to move quickly to the topic you desire
- Use the page navigation arrows to advance a page or go back a page. You can also jump to the beginning or end of the document with the bar arrows.
- Use the FIND tool to search for any word or topic in the entire manual



When you select your first video icon, you will get a message such as that shown below. Simply click on the button labeled “ALL” to begin viewing the video clip.



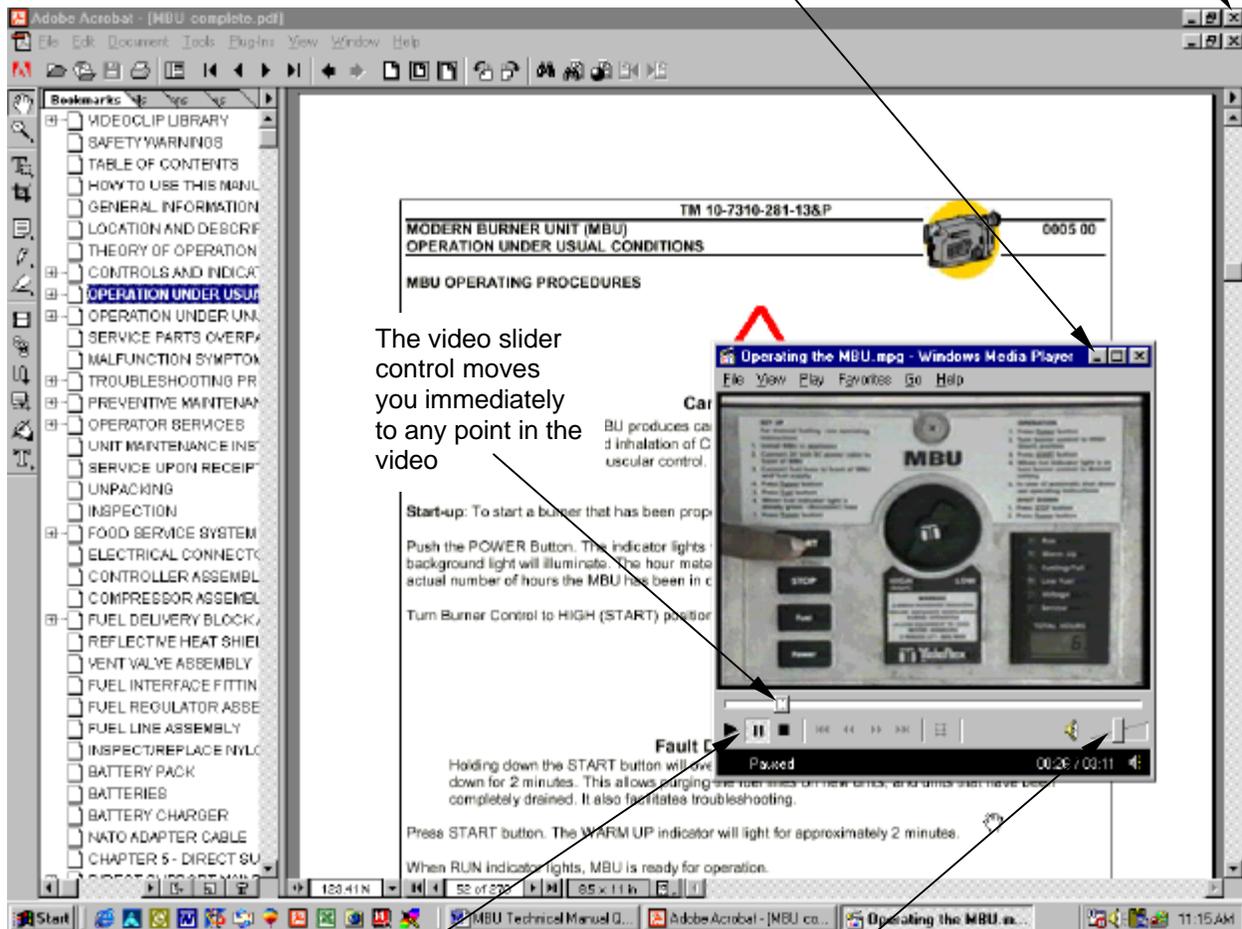
Click “ALL” so that Acrobat uses Windows Media Player to play all the video clips

Once you click **ALL**, the Windows Media Player will launch and begin playing the video clip (see figure below). Use the VCR-like controls to **STOP**, **PAUSE**, and **PLAY** the clip. You can also position the video slider with your cursor to move anywhere in the clip.

Once the clip begins to play, you should hear the accompanying audio. If you do not hear the audio, make sure that your speakers are turned on and that the volume control on the speakers is set at an appropriate level. Also check that the volume control located at the lower right corner of the Windows Media Player window is set somewhere in the midrange or at a comfortable listening level.

When done viewing the video clip, click the **MINIMIZE** button to shrink the Media Player to the Windows taskbar

Click the **CLOSE** button to close Acrobat Reader when done using the manual



The video slider control moves you immediately to any point in the video

Use the VCR-like controls to **STOP**, **PAUSE**, and **PLAY** the video clip

Use the volume slider control to adjust the volume of the audio playback

When you are done viewing a video clip on a selected topic, you can simply click the **MINIMIZE** button on the top right of the Windows Media Player to shrink the player to the Windows taskbar. Click the **CLOSE** button on the player if you wish to close the player entirely. You can then continue paging through the document to your next topic. When you are finished using the manual, click the close button at the top right corner of the Acrobat Reader.