

HOMeMEETING TECHNICAL PAPER

JoinNet Editor (Jeditor) User Guide
Version 1.8.4

July 2009

A HomeMeeting Inc. Official Document

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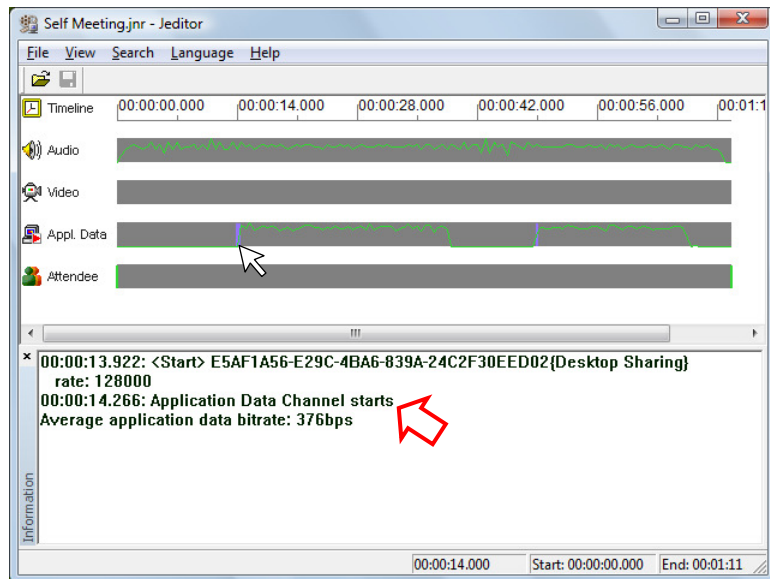
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What's New in JoinNet Editor 1.8.4

Application Data

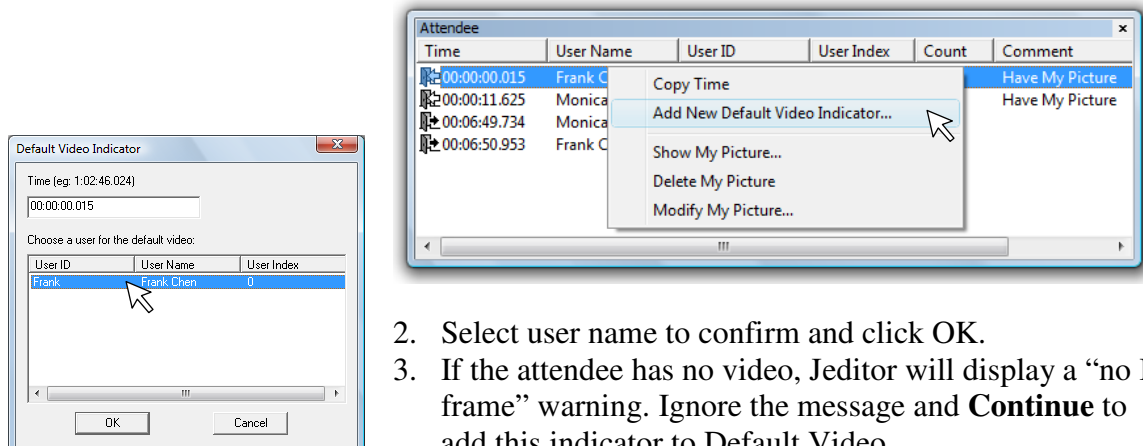
Application Data represents data flows from Desktop Sharing and Remote Control. In this version, Jeditor shows the starting points of Desktop Sharing and Remote Control, a click at the starting point bring up the details in the Information Palette.



Default Video Indicator

In this version, Jeditor can add Default Video Indicator for a meeting attendee without video. (See Default Video for more details.) A convenient feature is provided in **Attendee Palette** to allow user adding Default Video Indicator from the attendee list:

1. Right-click an attendee and select Add New Default Video Indicator to bring up Default Video Indicator.



2. Select user name to confirm and click OK.
3. If the attendee has no video, Jeditor will display a “no I frame” warning. Ignore the message and **Continue** to add this indicator to Default Video.

Preface

JoinNet Editor (Jeditor) lets you edit a *.jnr* file (JoinNet Recording file or JNR file) that was created by a HomeMeeting MCU server at the end of an online meeting conducted by JoinNet users. A Jeditor user needs to download his JNR files from the HomeMeeting MCU servers first, and then open the JNR files with Jeditor to begin editing.

A HomeMeeting user can use JoinNet as a local player to open a JNR file; moreover, he can upload a JNR file to a HomeMeeting MCU server and then use the JoinNet Messenger to share the JNR file for online JoinNet playback. Please refer to the *Messenger User Guide* for detailed discussion on JNR file sharing.

Using Jeditor, you can

- Preview and cut recorded data in a JNR file, including audio, video, text chat, and application data such as shared desktop and remote control.
- Browse through all slides presented in a JNR file and rename each slide.
- Reset the default videos to be displayed in the *Meeting Room* window of JoinNet.
- Add bookmarks to a JNR recording file, so that JoinNet viewers can quickly navigate to the cue point defined by a bookmark during a JNR file playback.
- Set a password to a JNR file, so that JoinNet viewers need to type the password in the *JNR Password* field to play back the JNR file.
- Lock a JNR file to disable file editing permanently.
- Edit the properties of a JNR file for better archiving and retrieving.

System Requirements

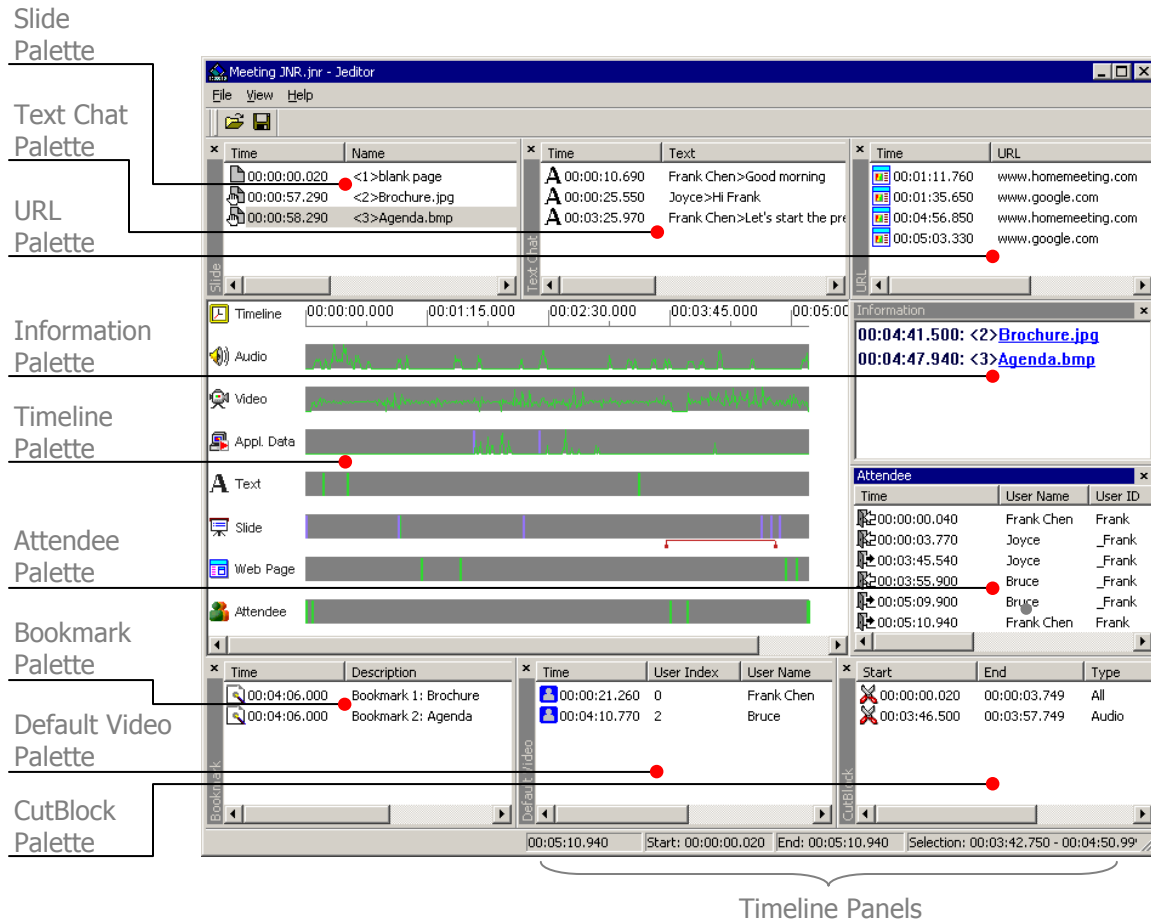
The following are the recommended system requirements for running Jeditor.

- 333 megahertz or higher processor clock speed
- Windows XP / 2000 / 2003
- 100 MB of available hard disk space
- 64 MB of RAM or higher
- Sound card
- 16 bit color at 1024x768 or higher resolution

Jeditor Workspace



Jeditor contains multiple palettes as a workspace for editing a JNR file. You can move and resize each palette according to your personal preference or auto-arrange all palettes to their default positions. Jeditor will save the entire layout accordingly. The following figure shows the Jeditor workspace and all its palettes.



Timeline Palette

Graphically represents the location, duration, or signal amplitude for the actions of all data types recorded in a JNR file, including Audio, Videos, Application Data (i.e., data from Shared Desktop and Remote Control), Text, Slide, Web Page, and Attendee. The time scale, represented by a pixel, is in 10seconds, second, 100ms, 10ms and ms.

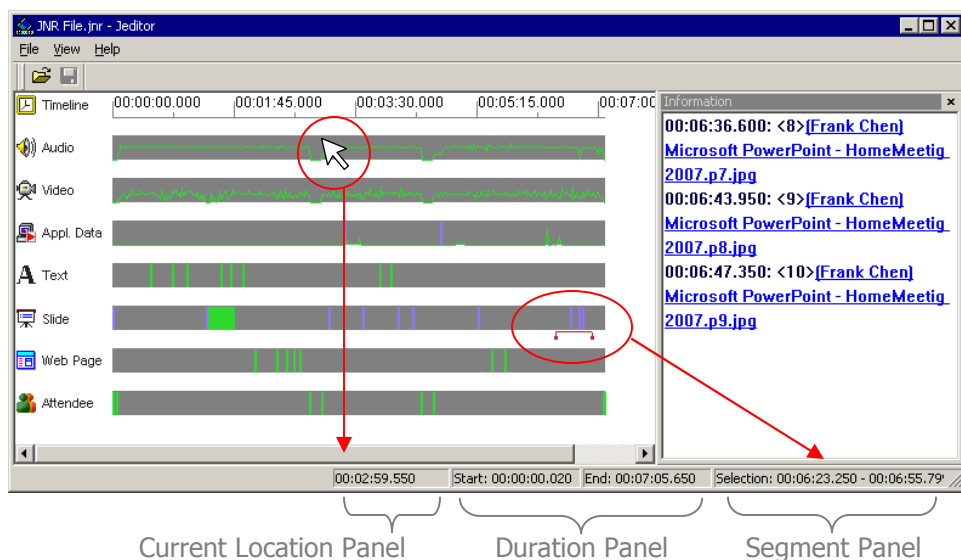
Information Palette

Shows detailed information of a data type at a selected location or in a selected segment of the data type.

Attendee Palette

Shows every attendee's check-in and checkout time.

Slide Palette	Shows the exact time and the title of every uploaded slide or file.
Text Chat Palette	Displays the exact time and the user name of every text chat input.
URL Palette	Displays the exact time and the Uniform Resource Locator (URL) of every joint web browsing.
Bookmark Palette	Shows the cue point and the title of every bookmark added. During a JNR playback, viewers can quickly navigate to a cue point by <i>double-clicking</i> a bookmark displayed by JoinNet.
Default Video Palette	Shows the cue point and the user name of every default video added. During a JNR playback, default video is the prime video to be displayed by JoinNet starting at the cue point reset by Jeditor.
CutBlock Palette	Shows the segment(s) and type(s) of data to be cut from a JNR file.
Timeline Panels	There are three timeline panels: (1) Current Location Panel shows the current location of a mouse cursor on the Timeline Palette, (2) Duration Panel shows the Start Time and End Time of a JNR file, and (3) Segment Panel shows the Start Time and End Time of a selected segment.



Current Location

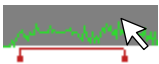


Denotes the timeline location of mouse cursor on a data type or on the timeline. You can specify the movement of mouse cursor on the Timeline Palette in different time unit:

1. On the toolbar, select View > Unit.
2. In the drop-down list, select the desired unit:
Millisecond, 10 Millisecond, 100 Millisecond, Second, 10 Second, or Fit to Window.

Note that the timeline is rescaled in corresponding to the choice of time unit. You can move the mouse cursor on the Timeline Palette after setting the new time unit, and you should see the difference in the Current Location Panel.

Select a Timeline Segment

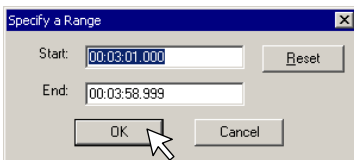


You can select a timeline segment on any data type on the Timeline Palette:

1. On the Timeline Palette, click to set an anchor point.
2. Drag your mouse over a data type (i.e., Audio, Video, Application Data, Text, Slide, Web Page, or Attendee), or on the timeline itself.
3. Release your mouse.
4. The selected segment is then highlighted by a red line at the bottom of the data type or the timeline.

Once a timeline segment is selected, its start time and end time are shown at the Segment Panel.

Specify a Range



You can specify the range of timeline to be displayed in the Timeline Palette, by doing either of the following:

- On the toolbar, select View > Range. On the Specify a Range Palette, edit the Start time and/or End time and click OK.
- Right-click a selected timeline segment and select Range. On the Specify a Range Palette, edit the Start time and/or End time and click OK.

Once a Range is specified, Timeline Palette shows only the recorded data in the specified range.

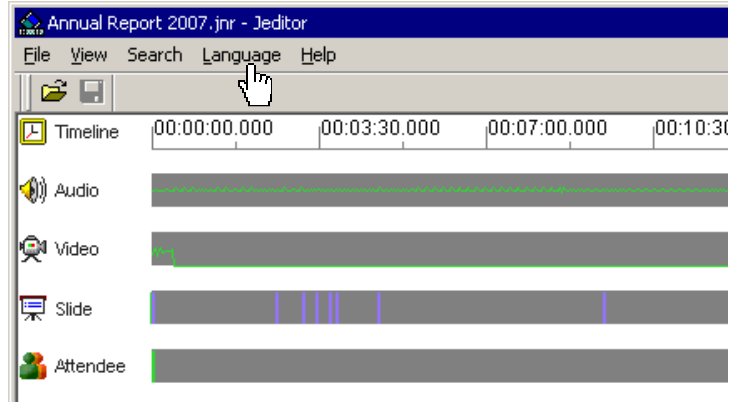
You can click Reset button on the Specify a Range Palette to get back to the full-range Timeline Palette of a JNR file.

Auto Arrange Palettes

On the toolbar, select View > Auto Arrange Palettes to get back to the default Jeditor workspace layout.

Language

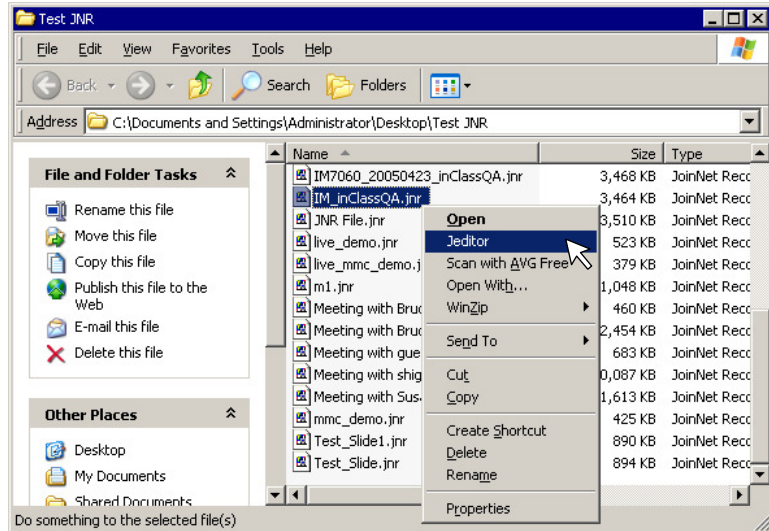
Support language selectio



Preview a JNR File



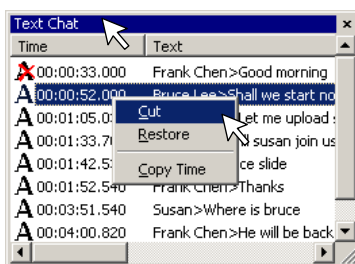
To preview a JNR file with Jeditor, just right-click the *.jnr* file and select Jeditor to open the JNR file.



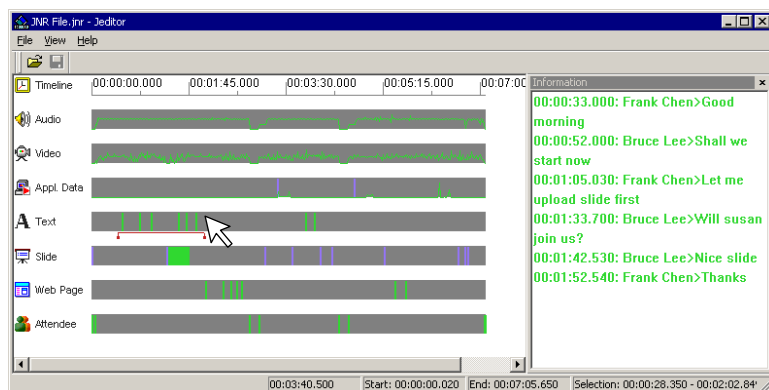
You can also launch Jeditor from the Start menu:

1. On the **Start** menu, choose **Programs > HomeMeeting > Jeditor > Jeditor**.
2. Click **File > Open** and browse to the location of the *.jnr* file.
3. Click the JNR filename, and then click **Open**.

Viewing Text Chat



If necessary, you can drag out the Text Chat Palette from the Jeditor Workspace and look up all the text chat inputs by attendees. To put the Text Chat Palette back to the Jeditor Workspace, just **double-click** on its header or drag it back to the workspace.

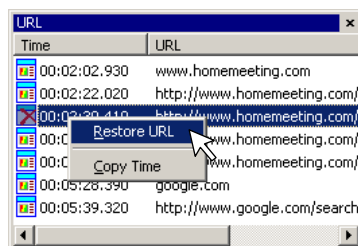
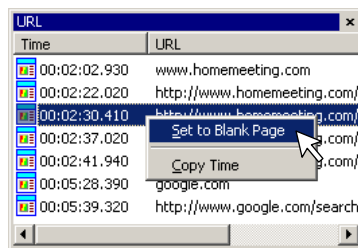


You can also select a timeline segment on the Text bar, and the Information Palette will display the text chat inputs within that specific segment.

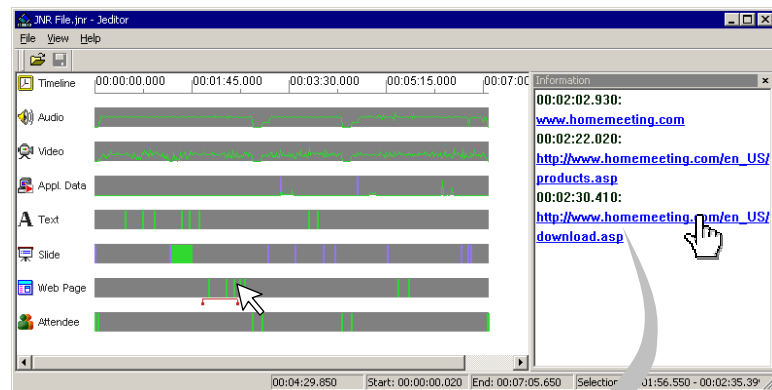


On the Text Chat Palette, right-click a text chat and select Cut to cut it—or Restore to undo the cut. You can select Copy Time and paste (CTRL-V) the exact time to other Time field.

Viewing Web Page



You can look up a list of joint browsing URLs from the URL Palette or, as described in the previous paragraph, you can select a timeline segment on the Web Page bar and the Information Palette will display the URLs within that specific segment. Then, on the Information Palette you can click a URL to browse the corresponding website automatically.

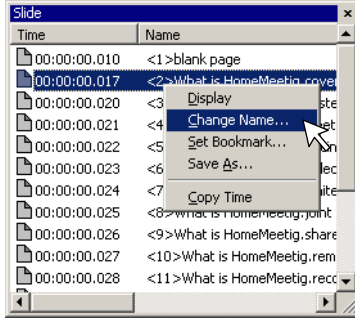


On the URL Palette, right-click a URL and select Set to Blank Page to blank the URL. You can select Copy Time and paste (CTRL-V) the exact time to other Time field.



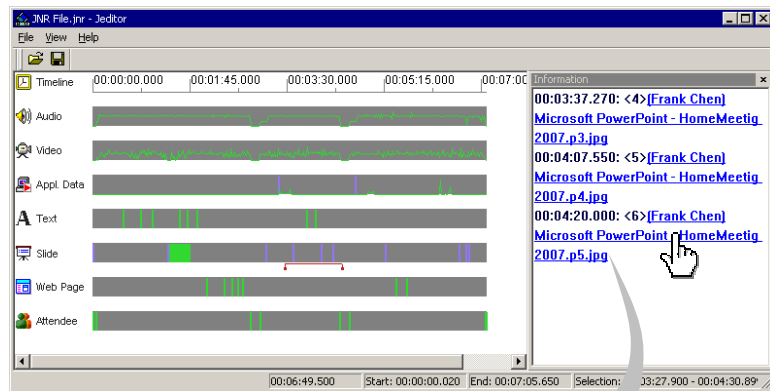
On the URL Palette, Right-click a “blank page” and select Restore URL to undo the action.

Viewing Slide

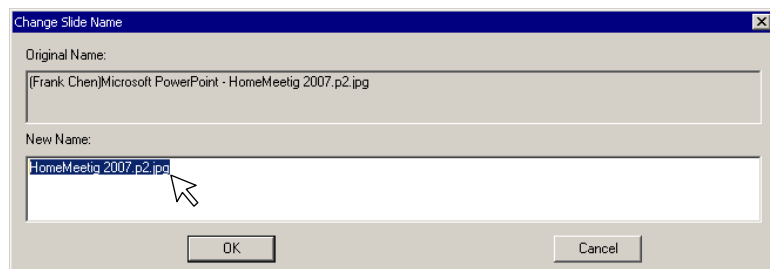


You can look up a list of uploaded slides from the Slide Palette or you can select a range along the Slide bar to show slide viewing activities on the Information Palette during that selected timeline segment. Note that, along the Slide bar, green line indicates slide uploading, while blue line indicates slide viewing by all attendees.

You can double-click a slide name on the Information Palette to bring up the Slide Preview window. On the Slide Preview window, you can click **File > Save As...** to save the slide. On the other hand, you can right-click a slide name on the Slide Palette and select Display to view the slide or select Save As... to save the slide to your PC.



On the Slide Palette, right-click a slide (or file), select Change Name to bring up Change Slide Name window, and type the new slide name in the New Name field and click OK.



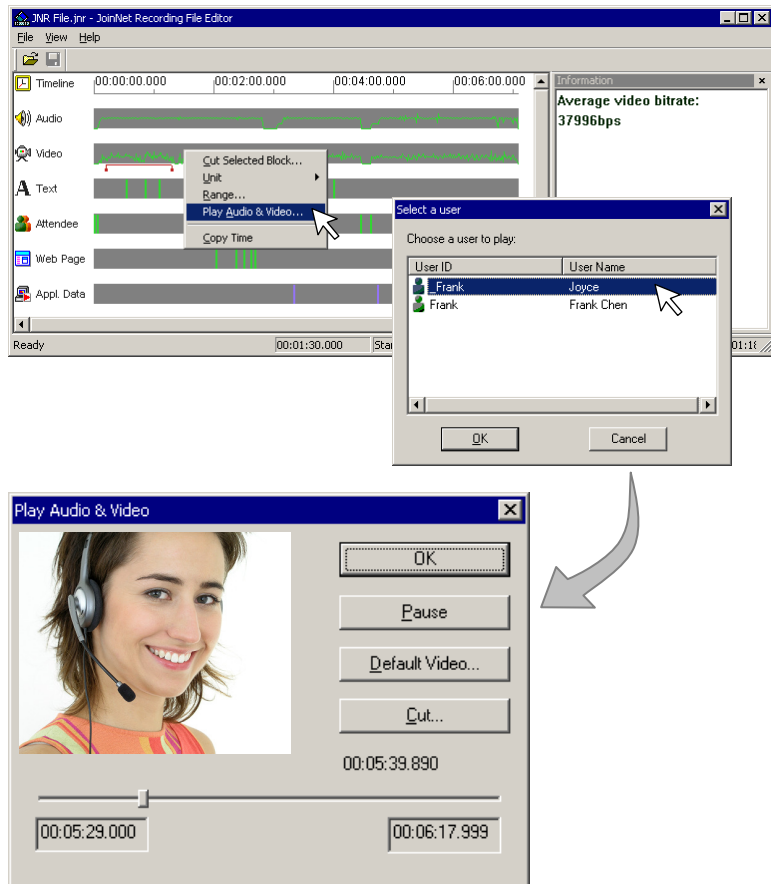


You must use the same file type, e.g., jpg, or end with *blank page* for a blank-page slide, when renaming a slide. You can select Copy Time and paste (CTRL-V) the exact time to other Time field, or select Set Bookmark to insert a cue point—please refer to Section “Finalize a JNR File”.

Playing Audio/Video

You can play back a specific timeline segment of audio and video from a JNR file that you have selected.

1. Select a timeline segment on the Audio or Video bar.
2. Right click the segment and select Play Audio & Video to bring up the Select a User window.
3. If there is multiple audio/video streams in the Select a User window, select a user name and click OK to start playback. You can pause and resume audio/video playback, or move the marker to any playback location on the selected segment.



Jeditor Permit

Please note that you need to obtain **Jeditor Permit** from a *Jeditor-Enable* HomeMeeting server to edit a JNR file. Please refer to *Jeditor Installation Guide* for more details.

Support G.726.11

In addition to our proprietary audio code, Jeditor 1.8.0 not only supports public audio code such as G.711, G.726, and iLBC, but also G.726.11 of higher sampling rate used by the feature of *Start Recording*.

My Picture

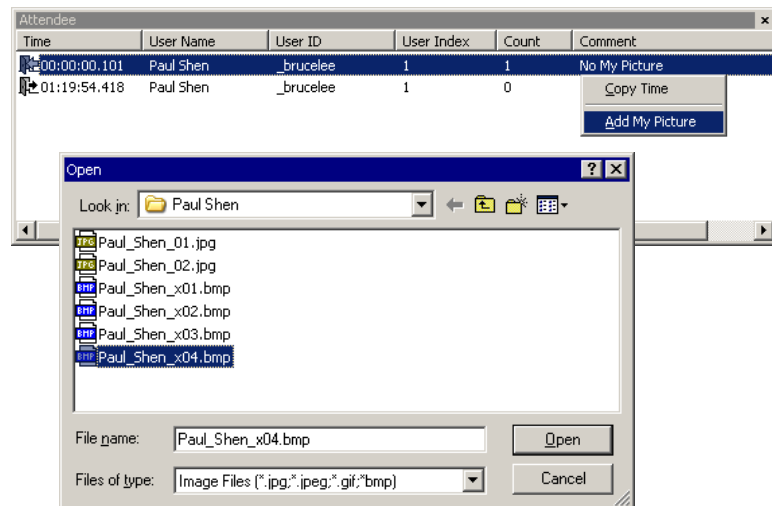
Using JoinNet 4.5.0, or higher version, a user can pre-select an image as My Picture showing to other users during an online meeting or a recording playback, without using a PC camera. Jeditor 1.6.0 supports My Picture editing through the Attendee Palette.

Add My Picture

If an attendee did not use My Picture during a JoinNet recorded meeting or presentation, you can add a My Picture to that user:

1. Right-click the user name in the Attendee Palette. Select **Add My Picture**.
2. At the Open window, browse and select an image and click **Open**. Please note that the image's aspect ratio should be a width-to-height ratio of 1.22 and a file size of less than 1GB, or preferably less than 100KB.

Please note that, even My Picture is added to a JNR file, if the original video data is still available, or undeleted, JoinNet will display video instead of My Picture.

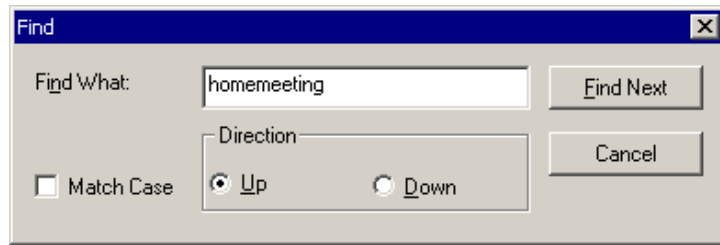


Edit My Picture

You can modify, delete, restore, or show a user's My Picture.

Search

Support text search in Text Chat, Slide, URL, Bookmark, and Attendee Palette.



Cut a JNR File

You can use Jeditor to cut recorded data in a JNR file, including audio, video, text chat, and application data such as shared desktop and remote control. However, you *cannot* use Jeditor to cut slide and attendee nor can you cut a joint browsing URL—but you can replace a URL with a blank web page.

Please note that you need to obtain **Jeditor Permit** from a *Jeditor-Enable* HomeMeeting server to cut a JNR file. Please refer to *Jeditor Installation Guide* for more details.

It is very easy to cut a text chat on the Text Chat Palette.

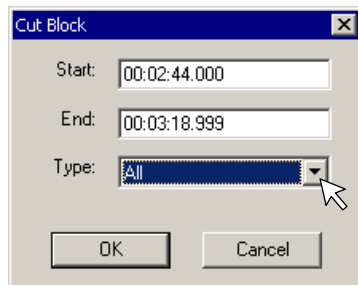
Cut Text Chat

On the Text Chat Palette:

1. Select the text chat to be cut.
2. Right-click and select Cut. You can also select Restore to undo the cutting.

Define a Cut Block

To cut audio, video, and application data, you need to define a cut block and select which data type to be cut.

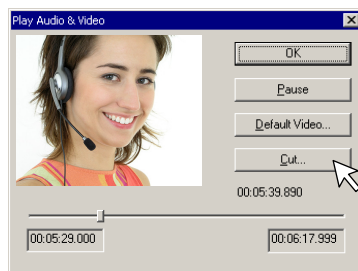


1. Select a timeline segment on the Timeline Palette.
2. Right-click the segment and select Cut Selected Block to bring up the Cut Block window.
3. Edit the Start time and/or the End time, and select a data type—All, Audio, Video, Text Chat, and Application Data—from the drop-down list.
4. Click OK on the Cut Block window.

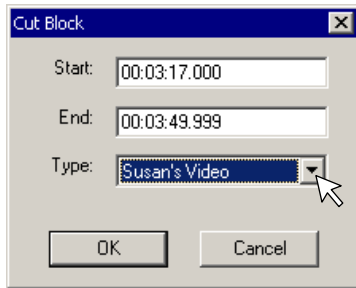
Once a cut block is defined, it will be listed in the CutBlock Palette. You can right-click a cut block on the palette and select Restore Cut Block to undo the cut or select Modify to edit the cut block on the Cut Block window.

Individual A/V Cut

Instead of cutting all video and/or audio specified by a cut block, you can cut an attendee's audio or video as follows:

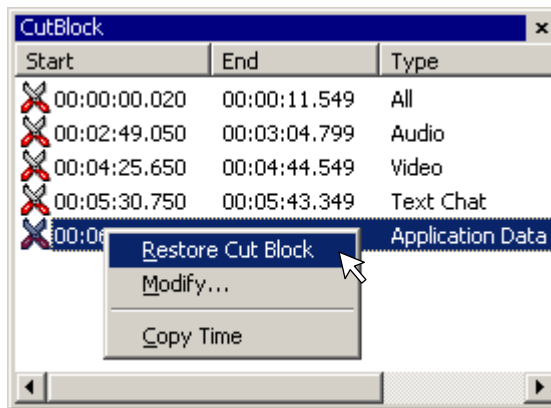


1. Select a timeline segment on the Audio or Video bar.
2. Right-click the segment and select Play Audio & Video to bring up the Select a User window.
3. If there is multiple audio/video streams in the Select a User window, select the user name whose audio or video you want to cut, and click OK to start playback.



4. Select Cut to bring up the Cut Block window.
5. Edit the Start time and/or the End time, and select a data type from the drop-down list about the user's video or audio
6. Select OK on the Cut Block window.

Again, this cut block will be listed in the CutBlock Palette. You can right-click the cut block on the palette and select Restore Cut Block to undo the cut or select Modify to edit the cut block on the Cut Block window.



Save Your Cut

You can save a JNR recording file that you have cut. If you have previously saved an edited JNR file, you can save a copy of the recording to another file.

To save an edited JNR file:

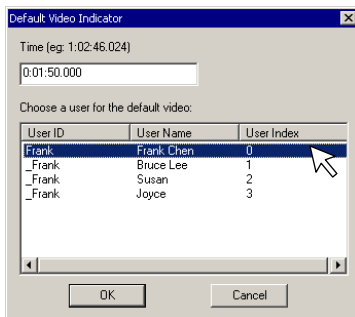
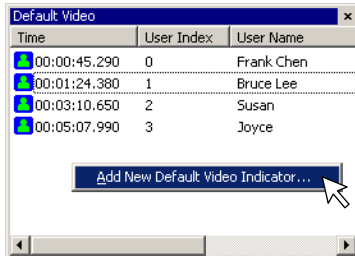
1. On the toolbar, click File and select Save (or Save As).
2. Choose a location at which to save the JNR file.
3. Type a name for the file in the File Name field.
4. Click Open/Save.

Finalize a JNR File

Set Default Video

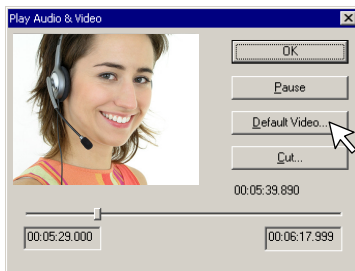
By default, JoinNet's main video window will display the video stream from the first questioner when there are multiple video streams during a given timeline segment.

You can reset the default video on the Default Video Palette as follows:



1. Right-click on the Default Video Palette and select Add New Default Video Indicator to bring up the Default Video Indicator window.
2. Specify the time of an indicator in the Time field. A default video indicator is a flag that you want to indicate a point on the timeline at which the default video is to be reset by JoinNet.
3. Click the user name that you want to set as the new default video and click OK.
4. The new setting is then listed on the Default Video Palette.

It is most likely that the listed time of the default video indicator on the Default Video Palette is slightly different from the time you specified. This is because Jeditor will search the best-quality video frame in the proximity of the time you specified and select the corresponding time for the default video indicator.



User Index denotes the order of attendee joining an online meeting. For example, “0” denotes a web office owner, “1” the first visitor, “2” the second visitor, and so on.

You can also set default video during Play Audio & Video—click Default Video button to bring up the Default Video Indicator window.



Default video setting saved.



Default video setting unsaved.

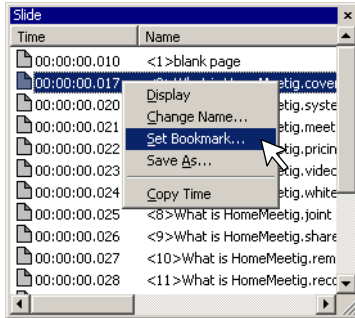


Default video setting removed (unsaved).

Please note that, when you cut all data or video within a time range from a JNR file, the default video setting within that specific time range will be removed as well.

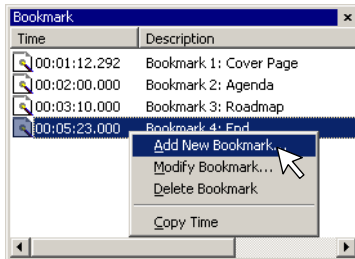
Adding a Bookmark

You can add bookmarks to a JNR recording file, so that JoinNet viewers can quickly navigate to the cue point defined by a bookmark during a JNR file playback. There are a couple of ways that you can add bookmarks to a JNR file:



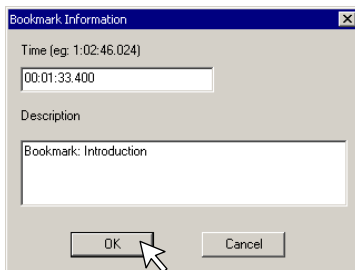
On the Slide Palette:

1. Right-click a slide name on the Slide Palette.
2. Select Set Bookmark to bring up the Bookmark Information window.
3. Type the title of the bookmark in the Description field.
4. Click OK.



On the Bookmark Palette:

1. Right-click on the Bookmark Palette.
2. Select Add New Bookmark to bring up the Bookmark Information window.
3. Type the cue time for the bookmark in the Time field and the title in the Description field.
4. Click OK.



Find a cue time for bookmark could become easier if you select Copy Time at certain action on the other palettes and paste it onto the Bookmark Information window. For example, a bookmark could be at a point where text chat was typed, a URL browsed, a default video to be displayed, and the like.

Please note that, when you cut all data within a time range from a JNR file, the bookmark within that specific time range will be removed as well.



Bookmark cue point setting saved.



Bookmark cue point setting unsaved.



Bookmark cue point setting removed (unsaved).

Here is a snapshot of a JoinNet playback with bookmark:

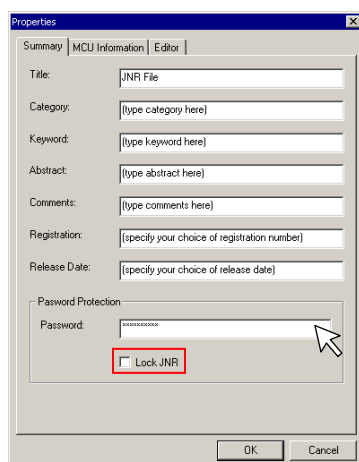


Set JNR Password

On the toolbar, click File > Properties and bring up JNR properties. Under the Summary tab, you can set a password for the JNR and you can rename a JNR title—these two features are also provided by the JoinNet Messenger if the corresponding HomeMeeting server supports this feature.

Lock a JNR File

Under the Summary tab, you can lock a JNR file by selecting the checkbox “Lock JNR”. Once a JNR file is locked, no one can edit the file anymore, including all the fields under the Summary tab.



Information under MCU Information tab and Editor tab cannot be edited.

MCU Information, for example, IP address and license number, was written by the MCU server from which a JNR file was created.

Editor information is written by the Jeditor, based on the Jeditor Permit received from a HomeMeeting Server that has subscribed Jeditor feature.