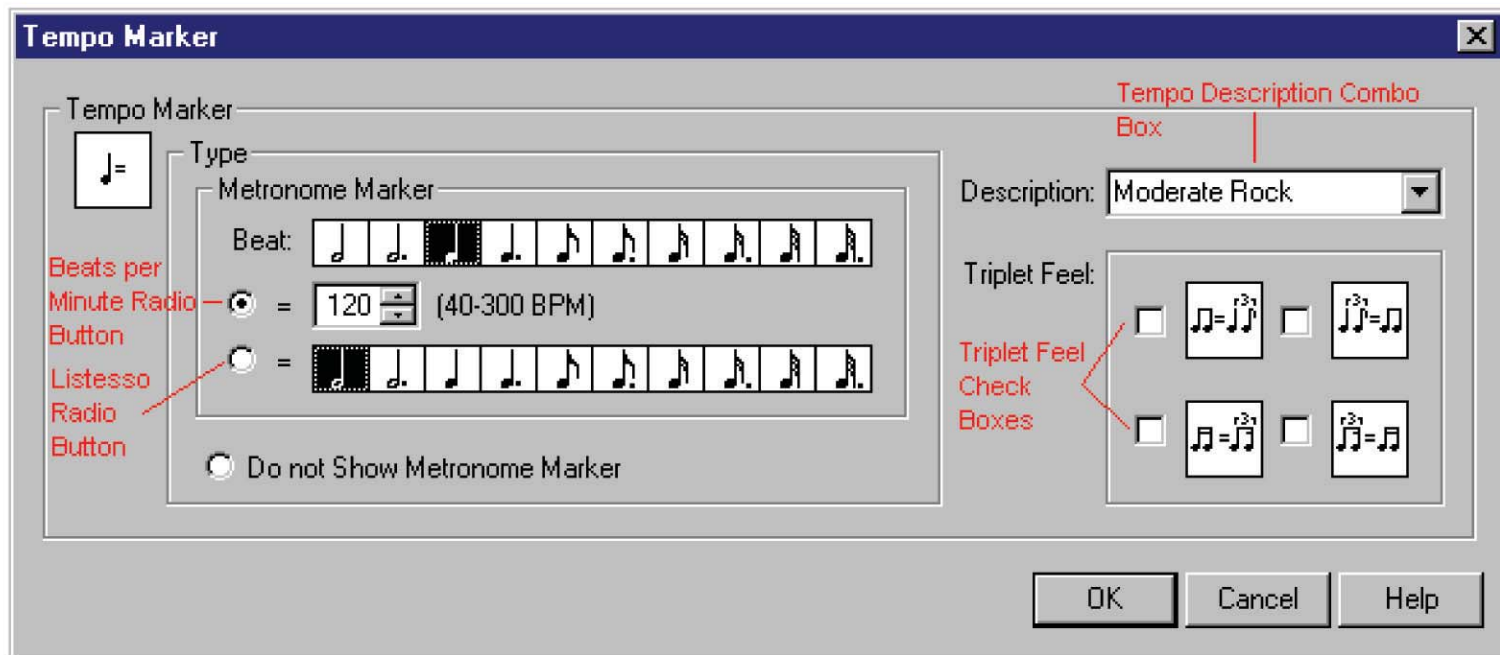


Tempo Markers

Tempo Markers (aka M.M. - Maelzel's Metronome) are used to measure the exact time (speed) of the beat. The tempo is measured in beats (or pulses) per minute, and is usually represented as the number of quarter note beats per minute. To insert a Tempo Marker at the current position, select the **Tempo Marker** menu item from the **Music Symbols** menu. The **Tempo Marker** dialog box will appear:



The Tempo Marker dialog box

The Beat Type

This is the type of note that is used to represent one beat. It is dependent upon the time signature of the song. The following is a list of popular time signatures and which beat type should be used with each:

Time Signature	Beat Type
4/4	Quarter Note
2/2	Half Note
3/4	Quarter Note
12/8	Quarter Dotted Note
6/8	Quarter Dotted Note

When you are inserting a new tempo marker into the song, the proper beat type will automatically be selected when the dialog box is opened (based on the current time signature). If the proper beat type is not chosen, the tempo may sound too slow or too fast. The formula for determining the beat type (basic beat) of a given time signature is:

A) if the top number in the time signature is divisible by 3, BUT NOT THE NUMBER 3:
3 / lower number in the time signature



- i) 12/8 => beat type is 3/8 or quarter dotted
- ii) 9/4 => beat type is 3/4 or half dotted
- iii) 6/16 => beat type is 3/16 or eighth dotted

B) if the top number in the time signature is not divisible by 3, OR IS THE NUMBER 3:
1 / lower number in the time signature

- i) 2/2 => beat type is 1/2
- ii) 3/4 => beat type is 1/4
- iii) 3/8 => beat type is 1/8

Selecting The Tempo Type

There are three types of tempo markers that you can choose from:

- **Beats Per Minute**  - This is the most common type of tempo marker. The BPM value informs the reader of the score how many beat notes are to be played in one minute. To select this type of tempo marker, select the proper beat type from the Beat list, then click the **Beats Per Minute Radio Button**. Once selected, enter a BPM value in the edit box beside the BPM radio button. (valid range is 40 to 300)
- **Listesso**  - When a translation in time is within a music arrangement you must define how the tempo will be affected by the change. You can do this with a listesso marker. To select this type of tempo marker, select the proper beat type from the Beat list, then click the **Listesso Radio Button**. Once selected, enter a beat type from the Listesso list.
- **Do Not Show Metronome Marker** - In the case that the metronome marker is not needed (ie. to notate a triplet feel change), select the **Do Not Show Metronome Marker Radio Button**

Triplet Feels

Certain songs are played to what's called a Triplet (or swing/shuffle) Feel. This means that when a pair of 8th/16th notes are to be played, the 1st note has a slightly longer duration than normal and the 2nd note has a slightly shorter duration than normal. Usually the ratio is roughly 66% to 33% as opposed to the normal 50-50. For the most part, it's easier to write these songs using normal 8ths/16ths and notating at the start of the song that they are to be played with a triplet feel, than to construct the song using the actual note durations. You do not need to show a metronome marker when using a triplet feel symbol.

Note - Triplet feel markers work on a per measure basis. That is, if you insert a triplet feel marker in the middle of a measure, the entire measure will be played with a triplet feel effect.