

# Timing Object

Draft specification by  
W3C Multi-device Timing Community Group



“The Timing Object promotes interoperability of timed media components, in single-page as well as multi-device media experiences.”

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| <p><b>Timing Object</b></p> <ul style="list-style-type: none"><li>• Common interface to media control</li><li>• Represent motion of media<ul style="list-style-type: none"><li>◦ position, velocity, acceleration</li></ul></li><li>• Play, pause, jump, fast-forward, ...</li></ul> | A hand-drawn diagram of a single timing object. It consists of a horizontal rectangle with a thick black border. Inside, a horizontal line with an arrowhead on the right end represents a progress bar. A small red circle is positioned on the line, representing the current playback position.  |
| <p><b>Timing, Control and Synchronization</b></p> <ul style="list-style-type: none"><li>• Music boxes driven by timing object</li><li>• Controls affect all music boxes</li><li>• Audio/Video and/or timed data</li></ul>  | A hand-drawn diagram showing three small brown wooden music boxes arranged in a row. Below them is a hand-drawn slider control, identical to the one in the first row, representing a single timing object that controls all three music boxes.   |
| <p><b>Multi-device</b></p> <ul style="list-style-type: none"><li>• Local timing objects are proxies for online timing objects.</li><li>• Shared Motion is online provider</li><li>• Web developers shielded from complexity of cross network synchronization.</li></ul>              | A hand-drawn diagram illustrating multi-device synchronization. It shows several music boxes and sliders arranged around a central cloud labeled 'INTERNET'. Dashed red lines connect each slider to the cloud, indicating that local timing objects are proxies for a shared online timing object. |

Multi-device Timing Community Group <https://www.w3.org/community/webtiming/>  
Web and TV Interest Groups <https://www.w3.org/2011/webtv/>  
Timing Object <http://webtiming.github.io/timingobject/>  
Timingsrc (implementation) <http://webtiming.github.io/timingsrc/>  
Shared Motion by Motion Corporation <http://www.motioncorporation.com>  
Norut Northern Research Institute: <http://norut.no>

