# Synchronization between Wireless UPnP Video and Audio Players

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## Abstract

On a multimedia digital home network, an audio player may be separated from the video player and both of them are connected by wireless interface, like 802.11 series. Due to forwarding, rewinding, or packet loss, it may make the video player and the audio player asynchronous. Based on the original UPnP AV architecture, a synchronous mechanism is proposed in this paper. With exchanging both status of the video player and the audio player in UPnP messages, the synchronization is accomplished. A prototype was also implemented to verify its feasibility.

Keyword：UPnP AV architecture; Synchronization