

'883 Patent	'509 Patent*	'545 Patent
<p>1. A playback device comprising: a network interface that is configured to provide an interconnection with at least one data network; at least one processor; a non-transitory computer-readable medium; and program instructions stored on the non-transitory computer-readable medium that, when executed by the at least one processor, cause the playback device to perform functions comprising:</p>	<p>1. A system comprising: a playback device configured to communicate over at least one data network; and a computing device configured to communicate over at least one data network; the playback device comprising: at least one first processor; a first non-transitory computer-readable medium; and program instructions stored on the first non-transitory computer-readable medium that are executable by the at least one first processor such that the playback device is configured to:</p>	<p>1. A playback device comprising: a network interface that is configured to provide an interconnection with at least one data network; at least one processor; a non-transitory computer-readable medium; and program instructions stored on the non-transitory computer-readable medium that, when executed by the at least one processor, cause the playback device to perform functions comprising:</p>
<p>detecting a triggering event that causes the playback device to enter a setup mode in which the playback device transmits at least a first message indicating that the playback device is available for setup;</p>	<p>detect a triggering event that causes the playback device to enter a setup mode in which the playback device transmits a first set of one or more messages collectively indicating that the playback device is available for setup;</p>	<p>detecting a triggering event that causes the playback device to enter a setup mode in which the playback device transmits a first set of one or more messages collectively indicating that the playback device is available for setup;</p>
<p>while in the setup mode, receiving a response to the first message that facilitates establishing an initial communication path with a computing device that is installed with an application for controlling the playback device, wherein the computing device is operating on a secure wireless local area network (WLAN) that is defined by an access point, wherein the initial communication path with the computing device does not traverse the access point;</p>	<p>while in the setup mode, establish an initial communication path with the computing device;</p>	<p>while in the setup mode, establishing an initial communication path with a computing device that is installed with software for controlling the playback device, wherein the computing device is connected to a secure wireless network for exchanging digital data packets that is defined by one or more network devices, and wherein the initial communication path with the computing device does not traverse any of the one or more network devices;</p>
<p>receiving, from the computing device via the initial communication path, at least a second message containing network configuration parameters for the secure WLAN, wherein the network configuration parameters comprise an identifier of the secure WLAN and a security key for the secure WLAN;</p>	<p>process a second set of one or more messages received from the computing device via the initial communication path, wherein the second set of one or more messages collectively comprise network configuration parameters for a secure wireless network configured to exchange digital data packets that is defined by one or more network devices, wherein the initial communication path with the computing device does not traverse any of the one or more network devices, and wherein the network configuration parameters comprise an identifier of the secure wireless network and security information for the secure wireless network;</p>	<p>processing a second set of one or more messages received from the computing device via the initial communication path, wherein the second set of one or more messages collectively comprises network configuration parameters for the secure wireless network, and wherein the network configuration parameters comprise an identifier of the secure wireless network and security information for the secure wireless network;</p>
<p>using the network configuration parameters to connect to the secure WLAN that is defined by the access point; and</p>	<p>use the network configuration parameters to connect to the secure wireless network; and</p>	<p>using the network configuration parameters to connect to the secure wireless network; and</p>
<p>transitioning from communicating with the computing device via the initial communication path to communicating with the computing device via the secure WLAN that is defined by the access point.</p>	<p>transition from communicating with the computing device via the initial communication path to communicating with the computing device via the secure wireless network;</p>	<p>transitioning from communicating with the computing device via the initial communication path to communicating with the computing device via the secure wireless network.</p>

*This is an excerpt of claim 1 of the '509 Patent showing functions of the claimed *playback device*