

## **RDK Media Player**

RDK Media Player is the media player on Firebolt application platform. It supports Audio/Video playback of IP and QAM content. RDK Media Player is a wrapper for all media players available on Firebolt. It dynamically builds the media pipeline based on the URI passed to the interface. This helps application developers to use the same interface calls for both QAM and IP Audio/Video playback.

For IP playback, the following streaming protocols are supported,

- ➔ HTTP Live Streaming (HLS)
- ➔ MPEG-DASH

RDK Media Player interface provides the following functionalities,

- ➔ Launch or initialize the player
- ➔ Start Playback
- ➔ Stop Playback
- ➔ Pause Playback
- ➔ Trick-Play
- ➔ Skip Playback
- ➔ Audio only Playback
- ➔ Secondary language support
- ➔ Available audio languages
- ➔ Enable/Disable Closed-Captions
- ➔ Available Closed-Caption languages
- ➔ Set the position relative to speed of playback
- ➔ Available Speeds
- ➔ Volume Control
- ➔ Duration of the playback
- ➔ Set Key/Value Pairs required for authentication and authorization
- ➔ Auto-Play of Playlist

Event notification are available for the following,

- ➔ Player Initialized
- ➔ Player Open/Close
- ➔ State changes for Buffering, Playing, Pause states
- ➔ End of Playback
- ➔ Playback in Progress
- ➔ Acquire License
- ➔ DRM Metadata received
- ➔ Additional authentication required
- ➔ Playback Segment start/watched/complete
- ➔ Bitrate changes
- ➔ Status Changes
- ➔ Warnings and Errors

Note : For complete list of API documentation for RDK Media Player, refer the document  
docs/ RDK\_MediaPlayer\_API\_Documentation.pdf