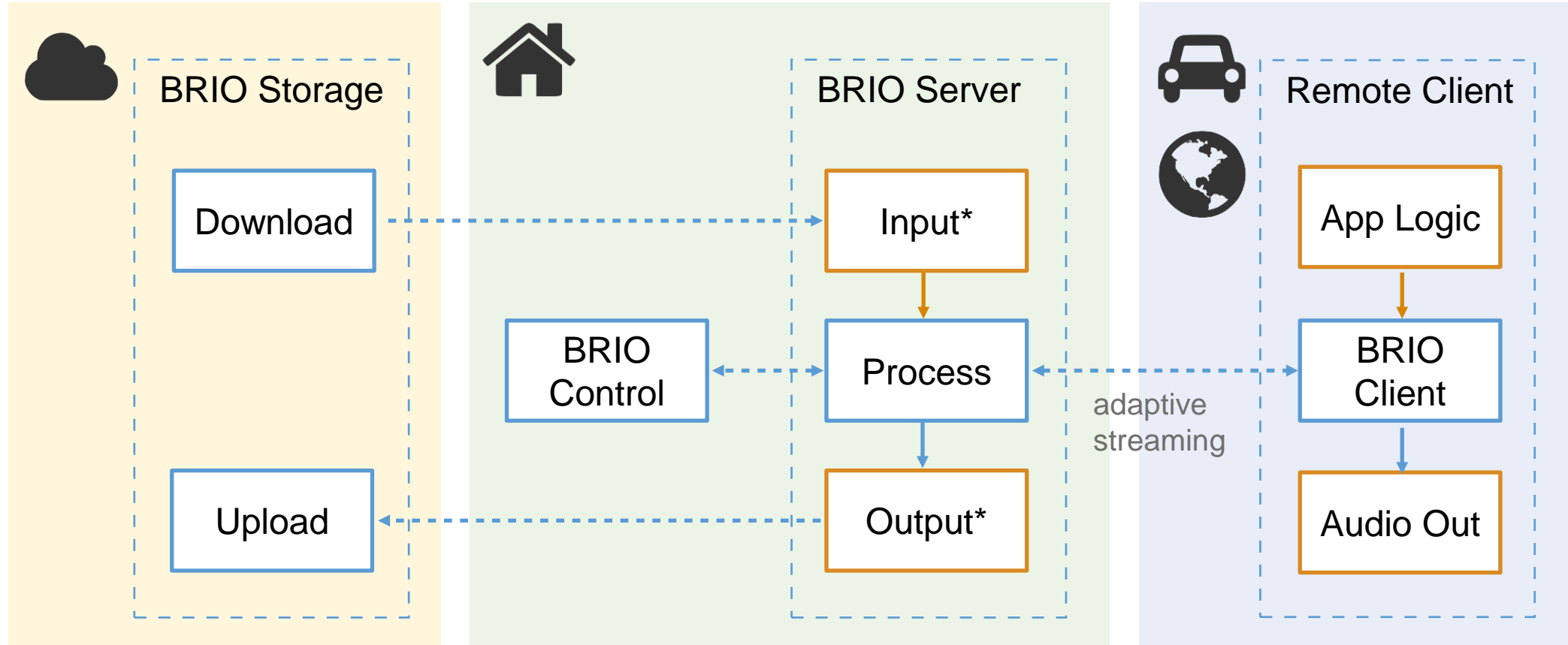


BRIO by OraStream

Product Brief



System Architecture



BRIO By OraStream

- Desktop (server) App
 - MAC/WIN PCs
 - Free distribution for personal/non-commercial use (Standard Plan)
- Browser (client) App
 - Chrome/Firefox/Opera/Safari browsers
 - Free distribution for personal/non-commercial use (Standard Plan)
- BRIO Mobile (client) App
 - iOS/Android
 - S\$15 per user account per year (Mobile Plan)
- BRIO Cloud (up to 1,000 GB storage)
 - S\$150 per user per year (Cloud Plan)



BRIO Desktop (server)

Music player/adaptive streaming server

- Scan-and-watch audio input sources; scans and manage audio output devices
- Local/cloud audio files with metadata; filter by Albums, Tracks, Artists, Genres; playlist support – create and edit playlists
- MP3, FLAC, ALAC, AIFF, WAV, DSD formats for local and networked (UPnP, Chromecast, SONOS) devices
- Add-and-subscribe to third-party music streaming audio services
- 16-bit/44.1 kHz and up to 24-bit/192 audio (remote access/streaming)
- Free license for personal and non-commercial use



BRIO Web Browser and Mobile App (clients)

- Two modes; either
 - Web/app audio streaming player for remote access (from BRIO desktop local audio files)
 - 16/44 and up to 24/192 audio streaming
 - Remote controller to access audio source and output device on BRIO desktop (player)
- BRIO mobile app @ S\$15 per user account per year



BRIO Cloud-Music Locker

- Remote streaming with BRIO desktop requires:
 - Desktop PC to be 24/7 “running”
 - UPnP-enabled router (port-forward public network IP)
- BRIO cloud-music locker alternative for remote streaming (w/o desktop app)
 - Uploader to transfer/encode users’ files to cloud-locker storage (1,000GB)
 - Adaptive streaming by OraStream Connect servers to browser and mobile apps
- Cloud-music locker @ S\$150 per user account per year



Audio formats – BRIO desktop

Source Audio Inputs	Local Audio Outputs	Networked Audio Outputs				
		UPnP	Chromecast	Sonos	AirPlay	Bluetooth
MP3, AAC*	MP3, ACC*	MP3, AAC*	MP3, AAC*	MP3, AAC* (up to 320 kbps)	Decoded audio	A2DP or aptX audio
WAV, AIFF (16/24-bit)	WAV, AIFF (16/24-bit)	WAV (16/24-bit)	WAV (16/24-bit)	WAV, AIFF (16-bit/44kHz)	Decoded audio by AirPlay protocol (down-sampled for network performance)	
FLAC, ALAC (16/24-bit)	FLAC, ALAC (16/24-bit)	FLAC (16/24-bit)	FLAC, ALAC (16/24-bit)	FLAC, ALAC (16-bit/44kHz)		
DSD	WAV (24-bit/96kHz) transcoded by BRIO for playback and encoding for adaptive streaming					

* AAC support available with BRIO Mobile and Cloud Plans only



Audio formats – BRIO desktop

Source Audio Inputs	Web Browser & Mobile App Audio Outputs	Networked Audio Outputs	
		AirPlay	Bluetooth
MP3, AAC*	MPEG-4 SLS (up to 1411 kbps)	Decoded audio	A2DP or aptX audio
WAV, AIFF (16/24-bit)	MPEG-4 SLS (16b/44k up to 24b/192k)	Decoded audio by AirPlay protocol (down-sampled to 16b/44k for network performance)	
FLAC, ALAC (16/24-bit)	MPEG-4 SLS (16b/44k up to 24b/192k)		
DSD	MPEG-4 SLS (16b/44k up to 24/192k)		

* AAC support available with BRIO Mobile and Cloud Plans only



Features' demo – BRIO desktop

- Scan-and-watch service; UPnP NAS, local, FTP server audio file sources
- Local and cloud-music library management; playlist management
- Scan and select; local and networked audio devices
- Uploader services
- Add and subscribe: third-party audio streaming services
- Music playback



Features' demo – BRIO web and mobile apps

- Web-and app-audio mode
 - Local and cloud-music library management; playlist management
 - Scan and select; local and networked audio devices
 - Uploader services
 - Adaptive streaming playback
 - Audio casting on browser; Bluetooth and AirPlay on mobile
- Remote-controller (of BRIO desktop)
 - BRIO desktop feature operations

