

## Blackfire ImmersionXD

### Wi-Fi Surround Sound Audio for Smart TV and Set Top Boxes



Blackfire ImmersionXD is the industry's first low-latency Wi-Fi surround sound software solution for television and set top box (STB) manufacturers. Blackfire ImmersionXD (IXD) enables smart TVs and set top boxes to deliver the ultimate home theater experience. Built on patented technology, Blackfire IXD streams stereo, multichannel 5.1 or 7.1 audio from the TV or STB - including OTT streaming services and connected devices such as BluRay disc players. Blackfire IXD also supports multiroom media streaming, transforming the smart TV or set top box into a whole home media center. The Blackfire IXD solution includes software integrated into the Smart TV or set top box motherboard and Blackfire IXD enabled speakers. Blackfire IXD reference modules and speakers are available.

#### SPECIFICATIONS

- 802.11ac (2.4GHz and 5GHz) Wi-Fi
- Sample rate: 44.1kHz, 48kHz, 96kHz, 192kHz
- Resolution: 16bit/24bit
- Lossless or Lossy transmission
- 20 - 150 $\mu$ s Synchronization accuracy
- 20 - 100ms Latency
- Supports 24 Devices

#### IMPLEMENTATION:

- Blackfire IXD embedded SW for TVs and Set Top Boxes
- Blackfire IXD Audio Module 2.4GHz/5GHz

#### SOLUTION FEATURES

- Discrete wireless surround 5.1, 7.1 and Dolby ATMOS
- Full Blackfire compatibility - automatic discovery, synchronization, playback & control
- Blackfire optimizations: including those for range, throughput, sync, & discovery
- Supports up to 32bit / 192kHz sample rates
- Synchronized playback for multiroom devices and multi channel configurations (~150usec accuracy)
- Supports Mono, 2.0 and 2.1 Stereo configurations
- Blackfire Indigo app for Windows, iOS and Android available for partner branding
- Runs on Standard Wi-Fi
- Blackfire IXD enabled speaker includes built-in Bluetooth and Aux Input