

## **Ittiam WMA Pro Decoder on ARM**

---

### **WMA Pro Decoder**

Microsoft® Windows Media™ Audio 9 Professional (WMA Pro) codec is a popular audio coding standard, which is a part of the Microsoft® Windows Media ® series of technologies. This codec was the first of its kind to support stereo, 5.1 and 7.1 discrete audio channels.

Ittiam's WMA Pro Decoder is an implementation of the WMA9 Decoder (Windows Media Porting Kit (WMPK) and is provided subject to the terms and conditions of the Microsoft Corporation Implementation License Agreement to other Licensees of the same.

This version of the decoder has the support for M1 profile only. It can decode stereo and 5.1 coded files with bitrates up to 384 Kbps and sample rates of 44k.1 kHz and 48 kHz.

### **Features**

- Decoding of WMA Pro bit stream with M0 and M1 profiles of decoding
- Supports all bit-rates from 128 kbps to 384 kbps<sup>[1]</sup> and sample rates of 44.1 kHz and 48 kHz.
- Supports both 16-bit and 24-bit output
- Supports up to 5.1 channels of output
- The decoder is compliant for M1 profile QL2 compliance level
- Supports a simple C callable with flexible memory allocation scheme.
- Multi-channel, Reentrant software
- The implementation has been tested on a variety of bit-streams and audio files for robustness and quality
- Optimized for low footprint and processing power

### **Decoder Validation**

The WMA Pro decoder implementation has been tested for conformance against the WMA Test specification (as defined in the Windows Media Technology implementation test specification v9.0.doc). The decoder has also been tested for robustness against bit-stream errors and quality based on listening tests.

#### **Notice**

Ittiam Systems reserves the right to make changes to its products or discontinue any of its products or offerings without notice. Ittiam warrants the performance of its products to the specifications applicable at the time of sale in accordance with Ittiam's standard warranty.