218 ZONE CONTROLLER

OVERVIEW

Designed for use in in-room or in-rack, the 218 Zone Controller contains the functionality needed to create a Hi-Res audio zone. Accommodating both local and distributed audio, whether analogue or digital, the Meridian 218 is also an endpoint for our award-winning Sooloos music management platform.

With both digital and analogue inputs and outputs, the MQA–enabled Meridian 218 is suitable for a wide range of distributed audio applications from single zone to multi-zone use. Control features including IP and IR, allow this versatile 1U tall product to be easily partnered with any of Meridian's power amplifiers or DSP loudspeakers.

PRODUCT HIGHLIGHTS

- Endpoint for our award-winning Sooloos music management platform for a user-friendly Hi-Res audio experience.

- Featuring a built-in MQA decoder, the Meridian 218 fully supports Master Quality Authenticated encoded music playback, guaranteeing a studio master quality experience.

- Housed in a half width, 1u tall enclosure and available with an optional rack mount kit [pictured], the 218 has multiple installation applications.

- IP Control allows for seamless integration and flexibility within the home. Also includes both digital and analogue inputs and outputs.

USER FEATURES

A significant number of control options are provided on the Meridian 218 Zone Controller, including IP control, Meridian Sooloos Control, IR and Digital Active Loudspeaker control.

In addition, the unit's front panel features multiple LEDs to indicate source selection, including one that signals MQA playback. Configuration via web browser is also available.

TECHNOLOGIES

LIP SYNC

Video processing typically delays the picture. As sound travels slower than light, the effect of the sound arriving before the picture is highly noticeable. For installations where the audio and video are separated before video processing, the Meridian 218 has adjustable audio delay to realign the audio with the video.

FIFO RECLOCKING

Clock variations, known as jitter, are one of the main causes of unpleasant "glare" in digital audio systems. The Meridian 218 solves this problem with a proprietary jitter reduction technique using a FIFO (first-in first-out) buffer that allows an independent output clock to deliver clock performance that does not rely upon on the incoming signal quality.

DSP UPSAMPLING AND APODISING FILTERS

Almost all audio has been digitally processed, even if it arrives at the Meridian 218 in analogue form. Upsampling allows the Meridian 218's DACs to run at a higher sample rate and achieve their full potential. Upsampling also provides the opportunity to apply apodising correction to ameliorate time-domain errors that have been introduced to the signal by the ADCs or other upstream processing.

MQA

Master Quality Authenticated (MQA) is a revolutionary end-to-end technology that delivers master quality audio in a file that's small enough to stream or download.

REAR PANEL LAYOUT

CONSTRUCTION

Features a compact, powder coated aluminium enclosure for magnetic linearity and an eight layer, single circuit board that maintains signal integrity and analogue audio performance.

FRONT PANEL LAYOUT

SPECIFICATION

AUDIO OUTPUTS				
	•	2 Speakerlink digital outputs	•	Single RCA digital output
	•	2-Channel unbalanced analogue output (192kHz DAC)		
AUDIO INPUTS	•	One 2-channel digital coaxial S/PDIF input. 44.1kHz to 192kHz sampling and up to 24-bit		
	•	One 2-channel Meridian Speakerlink input. 44.1kHz to 192kHz sampling and up to 24-bit		
	•	One 2-channel digital optical TOSLINK input. 44.1kHz to 96kHz sampling and up to 24-bit		
	•	One 2-channel analogue input		
	•	One network socket (Ethernet) for connection to Meridian Sooloos or alternative streaming system		
CONTROL METHODS	•	IP Control: Network socket for use with Meridian IP Control iPad App, other Sooloos control interface and third party control systems		
	•	IR on 3.5mm jack		
	•	12V trigger on 3.5mm jack		
DISPLAY	•	LEDs to indicate source selection and MQA status		
POWER	•	High performance power supply: 100V ac 50/60 Hz | 110-120V ac 50/60Hz | 220-240V ac 50/60Hz		
DIMENSIONS	•	HEIGHT: 42mm [1.65in]	•	WIDTH: 204mm [8.03in]
	•	DEPTH: 150mm [5.91in]		WEIGHT: Standalone: 0.56Kg [1.2lbs]
CONSTRUCTION	•	1U tall rack kit available with space for two units	•	VESA mount available
	•	All-aluminium chassis		

218 ZONE CONTROLLER
FLEXIBLE CONTROL

Designed for use in-room or in-rack, the 218 Zone Controller contains the functionality needed to create a Hi-Res audio zone. Accommodating both local and distributed audio, whether analogue or digital, the Meridian 218 is also an endpoint for our award-winning Sooloos music management platform.

Control features including IP and IR allow this versatile 1U tall product to be easily partnered with any of Meridian's power amplifiers or DSP loudspeakers.

THE 218 AT A GLANCE

Scalable solution – use multiple 218 units for additional Hi Res zones around the home.

IP, IR, Trigger and Digital Active Loudspeaker control enable seamless integration and flexibility within the home.

Compact and easy to install – 1U form factor with optional rack kit.

Multiple input options, including optical and coax digital, analogue and Speakerlink.
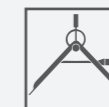
Lip Sync to realign audio and video following separation.

Digital and analogue outputs enable the 218 to work with any power amplifier and all Meridian loudspeakers speakers, enabling significant flexibility.

MHR – Unique Meridian High Resolution up-sampling to offer the best possible performance and lossless audio performance from all of your sources.

Cost effective solution in multiple installation applications, enabled by Meridian's complimentary Design and Specification Service.

MADE IN BRITAIN

Hi·Res AUDIO

MQA

For full details, contact:
design@meridian.co.uk
+44 (0)1480 445678

MERIDIAN

SOOLOOS: ALL MUSIC. ALL THE TIME.

Meridian's award-winning Sooloos delivers pristine lossless audio quality with an extremely intuitive user interface.

It automatically discovers and integrates with your client's network for instant installation. Sooloos is a modular, expandable system designed to suit your needs.

▶ STREAMING
TIDAL, Napster & Rhapsody

CD LIBRARY
Easy to input & catalogue over 30,000 CDs

DOWNLOAD LIBRARY
MP3, Flac & Wav

INTERNET RADIO
TuneIn Radio

MERIDIAN SOOLOOS AT A GLANCE

FOCUS
Allows you to move away from text based searching forever. Choose from genres, moods, decades, resolution quality and more to find exactly what you want to listen to.

SWIM
When your queued music comes to an end, Swim will keep the party going. Unique to Sooloos, this is the most sophisticated way to randomise your favourite music.

BROWSE
Effortlessly browse by artist, release date, TuneIn Radio stations or import date using the stunning free iPad or Touch PC interfaces.

EXPLORE
Sooloos offers myriad ways to navigate 30,000 album capacity. Browse by genre, tags, decade, mood, words or ideas. Explore makes it simple to find what you want to hear.

STREAM
Add millions of songs to your collection with major music subscription services, like Tidal, and simply add any music you like to your collection to listen to them time and time again.

TUNE IN
Internet Radio offers a vast catalogue of music, entertainment and information from around the world. Find stations and listen easily and reliably thanks to the integrated TuneIn™ directory.