(((SMI SoundMaskIt

Nano - Controller

Nano - DSP

DATA – NanoMaskIt

High Quality, Wireless Control, Ceiling Mount, Digital Sound Masking System

FEATURES

- Stand-Alone (unmanaged) operation
- Random pink noise – non repeating up to 215 hours
- 1x Zone of 15 Watt, Digital Class "D" Amplification
- Noise output with full 1/3 octave equalization
- Non-volatile memory for system settings – up to 10 years retention
- Full function Application Software suite to setup and tune zones
- Robust 2.4GHz Wireless Interface for setup and system tuning
- 4.5″ wide x 6″ deep x 1″ tall unit
- Mounting options for Atlas M1000 and Wall Mount

POWER SUPPLY

Mains Input Voltage	100V - 240V (AC)
Main Frequency	47Hz - 63Hz
Power Supply Efficiency	83%
AC Current	1.0A – 110VAC
	0.5A – 240VAC
Inrush Current	Cold Start 18A – 115VAC
	Cold Start 36A – 230VAC

SYSTEM OUTPUTS

Zone Output (x1, 2 pin Phoenix)	25Vp-p Output

SYSTEM PERFORMANCE

Resolution	24 bit
Sample Rate	48kHz
Frequency Response	80Hz – 20kHz ±3dB
THD-N (1kHz)	Full Power <1%

WIRELESS LINK

- NanoMaskIt is uniquely designed for wireless control applications to ensure reliable communications

- Built-in RF protocol with interleaving, interpolation, forward error correction and retransmissions

- 5Mbps/channel with only 3.8MHz occupied bandwidth helps achieve low duty-cycle more RF channels to work with when transmitting signals – providing a very robust audio link (future)
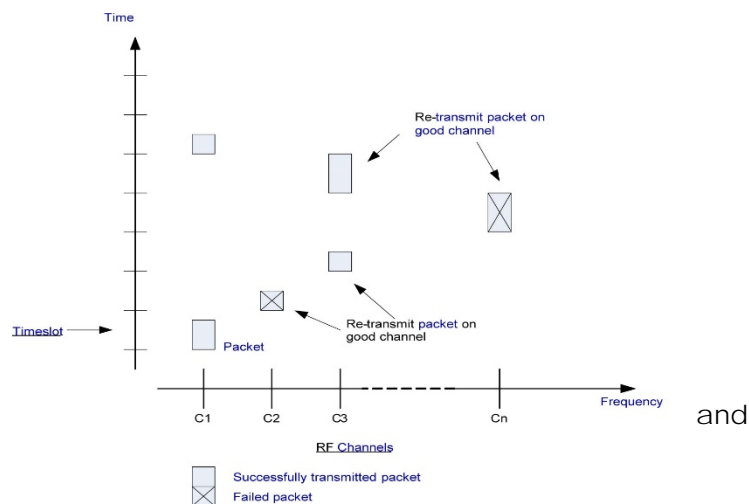
Diversity in frequency and time improves link quality in 2.4GHz band

BLOCK DIAGRAM