

Overview

Thank you! for purchasing our **CleanWALL**.

The CleanWALL from Clef Audio is the perfect solution for those who require a cost effective way to remove mains noise and distribute power efficiency. It is designed to mount directly to the wall to replace conventional wall outlet. Although affordable but our core values have not been compromised, each unit features surge protection and our proprietary **POLARIS FILTER** and **ZX-FILTER** technology, reducing products talking to each other via the main supply. The unit is simple to install, just remove the existing wall outlet panel and mount CleanWALL instead. For those who seek increased performance or would later upgraded, the CleanWALL design is flexible to upgrade its receptacle to High-End quality receptacle ie. **FURUTECH** and etc.

Features

1. **AC Filter Outputs** with High quality US Duplex receptacles.
2. **Solid Aluminum Faceplate with Steel Chassis** to prevent the unit from EMI, RFI.
3. **AC Line Connector** receive AC power from your home AC Line

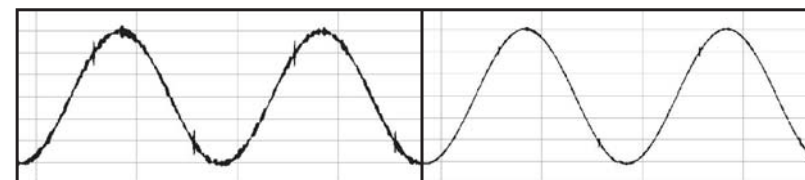
Installation

4. Remove 4 screws from faceplate by supplied allen key. Connect AC main lines to L, N ang G (refer to 3).
5. Mount CleanWALL to wall through these holes with supplied screws.
6. For better support, additional screws and wall plastic anchors are supplied. Drill two more holes on the wall, insert wall plastic anchors into the wall and mount with supplied screws

Technology

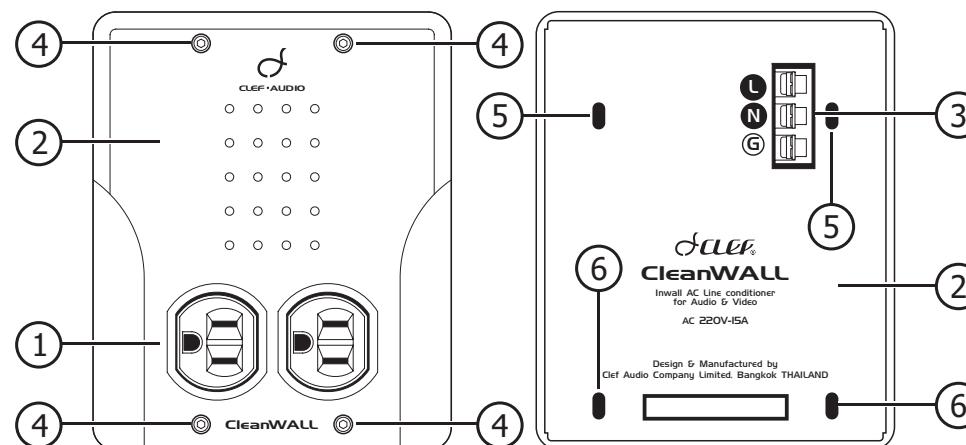
1. **Polaris Technology**, this is Clef proprietary filter technology which is different from common filter design. The common filter design usually filters only high and very high frequency. Polaris filter in PowerBRIDGE is designed to work from 10KHz upward which is the frequency band that affects the sound and video quality. Polaris filter can reduce the noise in AC line over **95%** of total noise so the improvement of sound and picture quality can be clearly detected.
2. **ZX (Zero-Cross) Technology**, each duplex has the special filter circuit to reduce the interference generated by equipment plugged into duplexes from one duplex to the other duplex. This to ensure the purity and cleanness of the AC line delivered to equipment.
3. **CleanWALL** can deliver full power to high power equipment e.g. power amplifier, receiver and powered subwoofer without the limit in current capacity as found in common power distributor design.

AC Line wave form



Before

After with **Polaris** and **ZX** Filter



Specifications

Current rating:	15 amps
Operating Voltage:	190 to 250 VAC
Spike Protection Modes:	L-N, N-G, L-G, zero ground leakage
Spike Clamping Voltage:	800 Vpk @ 3,000 amps, 250 VAC RMS
Response time:	1 nanosecond
Maximum surge current:	13,000 amps (8 x 20 mS pulse)
Maximum spike energy:	380 Joules per mode, 1,140 Joules total
Noise attenuation:	>10 dB @ 10 kHz >46 dB @ 100 kHz >100 dB @ 1-10 MHZ