

WM Touch

Wall Mounted touch screen control solution



The WM Touch is a wall-mounted touch screen solution aimed at remotely controlling audio system functionalities, such as zone level and source selection, system scenes recall, and system on/off.

The WM Touch is designed to fit single gang electrical boxes from all countries and can be mounted vertically or horizontally. Each box contains the necessary metal frame for wall mounting.

The WM Touch can be configured to adjust the level and/or pick the audio source for single and multiple zones. It can also be used for recalling different system configurations, and for turning the entire system on/off. Users have the freedom to choose what controls to display or hide, according to their installation needs.

The WM Touch is compatible with Duecanali DSP+D, Quattrocanali DSP+D, Ottocanali DSP+D, Mezzo A, Mezzo AD, X Series, and T Series amplifiers.

The WM Touch can be configured for use with ArmoniaPlus.

Technical Specifications	
Dimensions	L: 127.4 mm x H: 86.4mm x D:14.4 mm
LCD Screen	4.3 inch
Aspect Ratio	16:9 (W:H)
Mounting Option	Wall mount
Orientation	Landscape or portrait
Brightness	300 nits
Power Supply (not included)	PoE Injector or PoE Switch
Weight	160 g
Operating Temperature	0°C to 45 °C
Connectivity	RJ45 (100 Mbps)
Max Cable Length	100 m (Cat5 or above)
USB	Service only
Accessories Included	1x Metal plate for wall-mounting 1x Wall-mount removal pin



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Output Power				
Output Power for #amps with 1x PSU, driven symmetrically				
# of channels	16	32	48	64
# of amplifiers	1	2	3	4
# of energy banks	1	3	1	1
Configuration	SE	SE	SE	SE
4Ω	200W	180W	80W	60W
Maximum output voltage (typ.)	45V _{peak}	45V _{peak}	45V _{peak}	45V _{peak}
Maximum output current (typ.)	15A _{peak}	15A _{peak}	15A _{peak}	15A _{peak}

Energy Storage for 1x PSU plus #energy banks					
# of energy banks	0	1	2	3	4
Energy storage (typ.)	35J	200J	365J	530J	695J

Audio	
Gain	70V/1.0FS
Frequency Response (+0,-2dB, 1W @4Ω)	20Hz – 20kHz
S/N (20Hz - 20kHz A-Weighted @4Ω)	107dB(A) Typ.
Noise Floor	-77dBV (A) Typ.
Crosstalk Separation (1kHz)	-75dB Typ.
Input Sensitivity	-3.84dB FS (default)
THD+N (from 0.1W to 1/2 Power)	<0.05% Typ. @1kHz
IMD SMPTE (from 0.1W to 1/2 Power)	<0.1% Typ.
Latency	1ms

Construction			
	Amplifier	Energy Bank	PSU
Dimensions	283x200x21 mm	200x140x42 mm	200x140x42 mm
Weight	1390 g	1205 g	1470 g

AC Mains Power	
Power Supply (PSU)	Universal, regulated Switch Mode with PFC
Nominal voltage (PSU)	100-240Vac @50/60Hz
Operating voltage (PSU)	85-264Vac
Power Factor (PSU)	Cos φ > 0.9 @rated power
Startup time (PSU + AMP)	<5s

Consumption				
	1X AMP	2X AMPs	3X AMPs	4X AMPs
Standby (SDPSU)	<1W			
Standby (MUTE)	7.5W	11.8W	16.1W	20.9W
Idle	31W	51W	71W	91W
Rated Load	500W Typ			
AC Current Avg./Short Term	Nominal 5A Max 30A			

Fan	
PSU can drive two FANs	12Vdc, up to 6W total

Thermal & Environment		
Operating Temperature & Humidity	0° to 35° C 0 to 90% Non condensing	
Thermal Dissipation @ 1/8 Max PSU Output Power	Current Draw @230VAC	TBD
	Thermal Loss @ 230VAC	TBD
	Current Draw @115VAC	TBD
	Thermal Loss @ 115VAC	TBD

Reference Standard	
Vibration	EN 60068-2-64:2008 (Random Test) EN 60068-2-27:2009 (Shock Test)
EMC immunity	EN 61000-4
EMC emissions	EN 55032:2012 Class A
EMC others	EN 61000-3-2:2014 EN 61000-3-3:2013
Safety standards	IEC 62368-1:2018

UR listed according to UL 62368-1

Connectors		
PSU	Mains	IEC C14 with retention spring
	Fans	2x 3pin Molex KK254
PSU, Energy bank, AMP	Internal sharing of power, control and monitoring	60 pin IDC
AMP	HyperIC	1x RJ45, or 1x 26pin IDC
	Power outputs	2x 16pin Phoenix MSTB 2.5/16-ST-5.08

Application examples

Please note that the following configuration examples do not cover all possible applications.

Power ratings could vary depending on acoustic design and speaker specifications. Contact Powersoft for support in selecting the ideal solution for your specific needs.

Wave Field Synthesis	Beam Steering	Multi-channel rack amplifier	Multi-channel large-scale line array
16X 225W @ 4Ω	16X 225W @ 4Ω	16CH - 225W @ 4Ω 32CH - 200W @ 4Ω 48CH - 80W @ 4Ω 64CH - 60W @ 4Ω	HF: 8x 100W @ 8Ω MF: 4x 200W @ 4Ω LF: 2x 400W @ 4Ω (dual VC)

