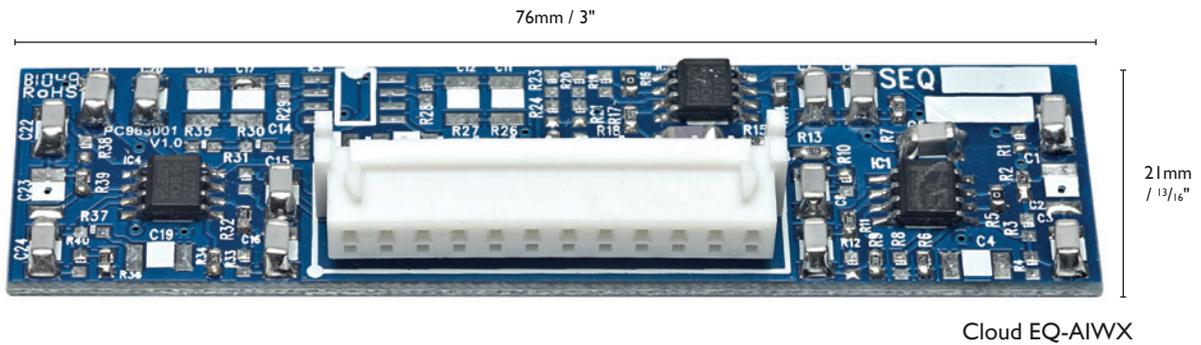


EQ-AIWX & EQ-LFIT



Cloud EQ-AIWX

General Description

EQ cards EQ-AIWX and EQ-LFIT are retro-fittable Cloud accessories which allow certain Cloud products to be used with the Amina AIWX or LFIT ranges of flat (in-wall) loudspeakers.

Each is a small, single-channel plug-in PCB incorporating a specific design of filter. When plugged into an EQ card socket in a compatible Cloud amplifier, mixer-amplifier or zoner, they provide the audio channel with the correct equalisation curve for the Amina speaker, ensuring that they are able to deliver their optimum audio performance.

The EQ cards are simple to fit; full instructions are included in the Installation and User Manual for each Cloud product.

When Cloud EQ cards are fitted, Amina recommend that their Loudspeaker Protection Unit (Type APU2 or APU-Rx) should be retained in systems using low-impedance versions of the loudspeakers, but may be dispensed with in 100/70V-line systems.

The EQ-AIWX and EQ-LFIT cards have been designed in collaboration with Amina, and accurately meet the equalisation characteristics specified by them for their speakers. As such, they are fully approved by Amina, and installing the EQ cards in Cloud products used to power Amina loudspeakers will not invalidate the loudspeakers' warranty, providing the APU requirement in low impedance systems (see above) is met.

Compatible Amina models:

Cloud EQ-AIWX EQ Card	Cloud EQ-LFIT Card
Amina AIW1X	Amina LFi2T
Amina AIW2X	Amina LFi4T
Amina AIW3X	
Amina AIW3X/S200	
Amina AIW4X	
Amina AIW5X	

Current Compatible Cloud Products

Current production versions (see note below) of the following Cloud models are compatible with the Amina EQ cards:

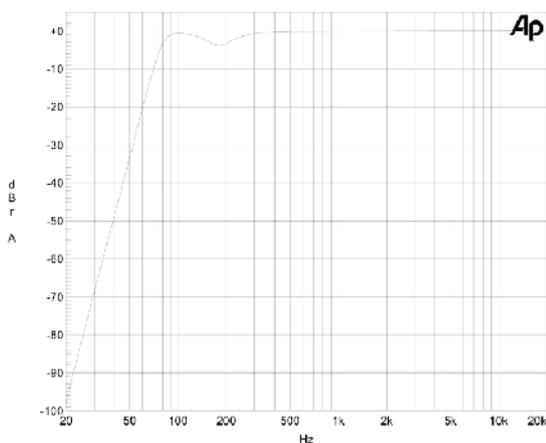
Power Amplifiers:	Zone Mixers:	Mixer-Amplifiers:
MPA60	DCM1	36/50*
MPA120	Z4ii	46/50
MPA240	Z8ii	MA60
CXV225	CX163	MA60 Media
CXV425	CX263	
CX-A450	CX261	
CX-A850	CX462	
CX-A6*		
VTX4120		
VTX4240		
VTX4400		

* An additional adaptor is required to fit the cards to these models.

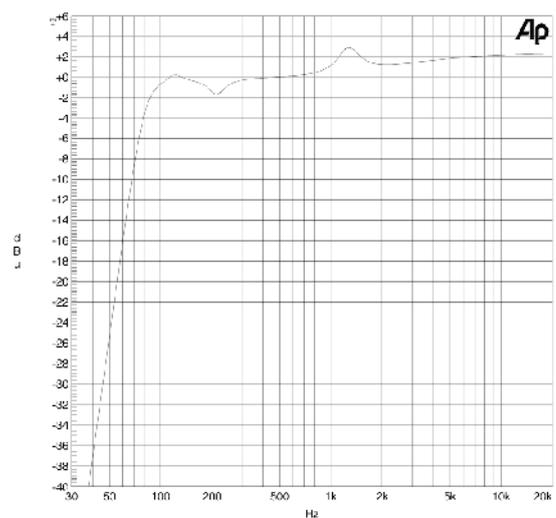
NOTE: Some discontinued Cloud products may also be compatible. Also, certain models in the list above having early serial numbers may not be compatible. If in doubt, please contact Cloud's Technical Department before retrofitting cards to older units.

Graphs

Amina AIWX EQ Response



Amina LFiT EQ Response



Technical Specifications

	EQ-AIWXE	Q-LFIT
High-pass filter	8th order Butterworth, -3 dB at 80 Hz	6th order Butterworth, -3 dB at 80 Hz
Connector type	12-way female JST	
Dimensions	21 x 76 x 10 mm (w x d x h)	

Architect's and Engineer's Specification

It shall be possible to add fixed filtering to individual channels of compatible Cloud amplifiers, mixer-amplifiers and zone mixers (devices) to meet the equalisation requirements specified by Amina for the AIWX and LFIT ranges of loudspeakers.

The filtering shall be in the form of plug-in printed circuit board cards (PCBs), and they will be retrofittable in the field by semi-skilled persons.

One PCB shall apply equalisation to a single audio channel, and it shall be possible to fit PCBs to any or all the audio channels in a particular Cloud device. Specific PCBs shall be available for each range of Amina loudspeakers.

The filter PCBs shall be the Cloud EQ-AIWX (Amina AIWX range) and the Cloud EQ-LFIT (Amina LFIT range).