

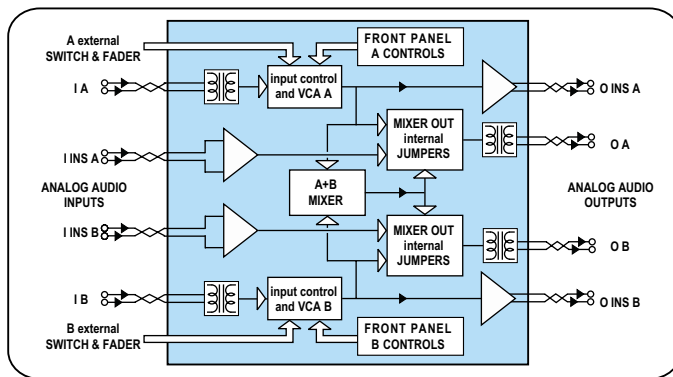
DUAL ANALOG AUDIO LINE AMPLIFIER / VCA DIFFERENTIAL INPUTS and OUTPUTS

ALA 655

The ALA 655 is designed for the audio modulation amplification at the start and reception of Specialized Lines.

Four process groups are available : two S.L. reception groups both with their outputs and two S.L. start groups both with their dedicate inputs. Each reception group level is adjustable and has too VCA and muting possibility by external control.

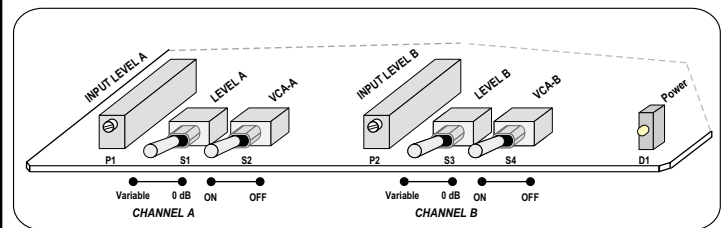
The ALA 655 is designed on an "Europe" 3U electronic board.



Functional block diagram

Features

- Differential analog audio inputs and outputs
- Short-circuit outputs protected
- Specialized lines inputs and outputs transformer isolated
- Specialized lines adjustable input levels -18 dB to + 18 dB
- 35 Hz to 20 kHz bandwidth
- Maximum audio level 22 dBu
- Controls, adjustments and signalling on front side of the board
- Configurations and output mixed by internal jumpers



Front edge of the board

User Controls

FRONT PANEL ADJUSTMENTS AND SWITCHES

CHANNEL A

P1 : Level control reception group - A (combine with S1)

S1 : Level control selection, fixe (0 dB) or variable (-18 dB to + 18 dB)

S2 : VCA-A ON / OFF selection

CHANNEL B

P2 : Level control reception group - B (combine with S3)

S3 : Level control selection, fixe (0 dB) or variable (-18 dB to + 18 dB)

S4 : VCA-B ON / OFF selection

COMMON STATUS LED

D1 : Power supply presence

Technical Specifications

RECEPTION GROUPS

INPUTS

SIGNAL : I A and I B symmetrical on transformer isolated maximum level 22 dBu

IMPEDANCE : 25 k Ω or 600 Ω

OUTPUTS

SIGNAL : O INS A and O INS B symmetrical maximum level 22 dBu load short-circuit protected

IMPEDANCE : < 10 Ω minimum load 600 Ω

START GROUPS

INPUTS

SIGNAL : I INS A and I INS B symmetrical maximum level 22 dBu

IMPEDANCE : > 20 k Ω (differential)

OUTPUTS

SIGNAL : O A and O B symmetrical on transformer isolated maximum level 22 dBu

IMPEDANCE : < 10 Ω from 40 Hz to 15 kHz optimum load 600 Ω minimum load 150 Ω load short-circuit protected

PROCESSING PERFORMANCES

RECEPTION GROUP

FIXE LEVEL : 0 dB \pm 0.2 dB
VARIABLE LEVEL : -18 dB to + 18 dB

VCA ATTENUATION : -50 mV / dB on wiper input

AUDIO MUTING : 100 dB typical

START GROUP

LEVEL : 0 dB adjustable

POWER : 9.5 W

ALA 655

DUAL ANALOG AUDIO LINE AMPLIFIER / VCA DIFFERENTIAL INPUTS and OUTPUTS

Overall Performances

Mesured on inputs and outputs transformer isolated
Level controls at 0 dB, VCA and Muting "OFF"

Noise floor :	- 84 dBu (typical)	Cross talk :	< -95 dB at 40 Hz < -90 dB at 1 kHz < -85 dB at 15 kHz
THD+N at + 22 dBu :	< 0.2 % (35 Hz < F < 130 Hz) < 0.01 % (130 Hz < F < 20 kHz)	Bandwidth :	35 Hz to 20 kHz
Minimum frequency modulation :	35 Hz at - 0.5 dB	Outputs :	All short-circuit protected
Maximum frequency at - 0.5 dB :	15 kHz	Weight :	530 g
Maximum frequency at - 2 dB :	20 kHz		

Mounting Frames

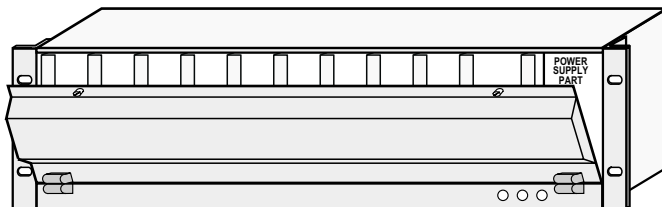
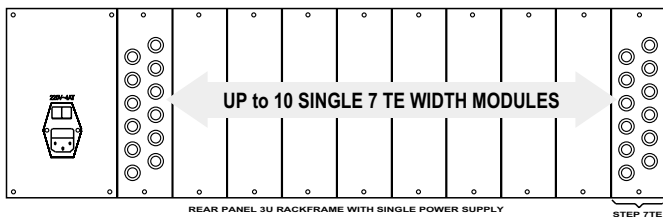
19" 3RU RACKFRAME

The 19" 3U rackframe holds up to 10 modules with single power supply unit and 9 modules with redundant power supply unit.

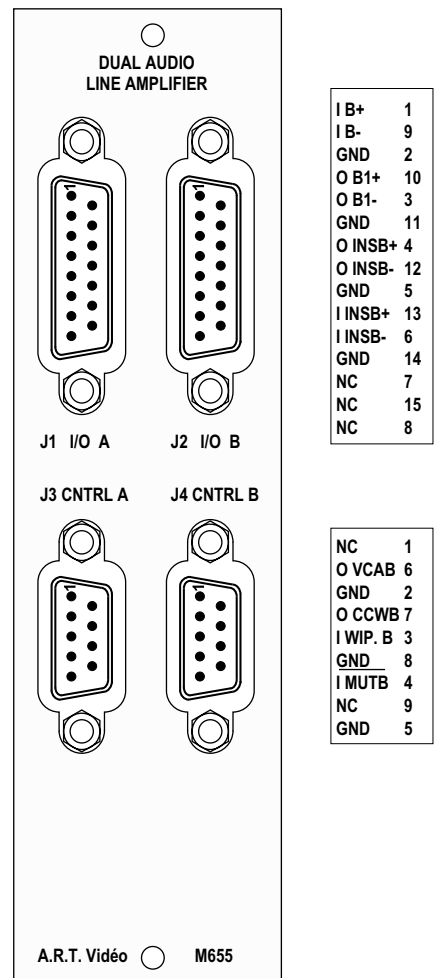
Access is given to electronic modules by rocking down the front panel. Ventilation of the rack is performed by forced convection.

Each module includes : electronic plug-in board, rear interconnection board, and rear mechanical support with the connectors.

DIMENSION :	3RU x 410 mm deep
WEIGHT :	< 15 Kg
TEMPERATURE RANGE :	0 - 40°C
ELECTRONIC MODULES :	10 with single power supply 9 with redundant power supply
POWER INPUT :	88 - 135 V or 185 - 264 V (commutable) 50 / 60 Hz
POWER :	150 W max



3U MODULE REAR PANEL IN / OUT



Ordering informations

19" 3RU rackframe

M-ALA655 :	dual analog audio line amplifier / VCA 3U module for 19" 3RU rackframe (Electronic plug-in board and rear panel)	MOD 3U :	rear panel for 19" 3U rackframe
B-ALA655 :	dual analog audio line amplifier / VCA (Electronic plug-in board)	RACK3U-1 :	19" 3RU rackframe with single power supply
		RACK3U-2 :	19" 3RU rackframe with redundant power supply
		BPM-1 :	blank rear panel unit

Specifications and designs are subject to change without notice