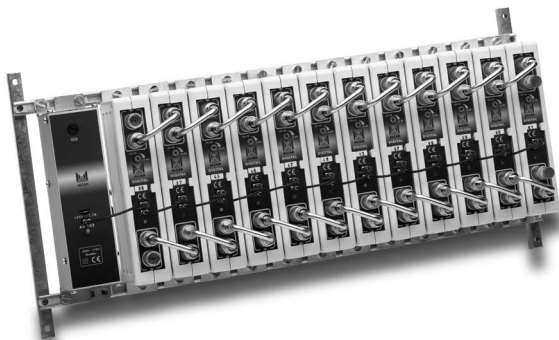




ALCAD

EQUIPO DE AMPLIFICACIÓN MODULAR MULTICANAL
MULTICHANNEL MODULAR AMPLIFIER SYSTEM
SYSTÈME D'AMPLIFICATION MULTICANAL MODULAIRE



SERIE 905 SERIES

CODIGO-CODE-CODE		9050131	9050006	9050016
MODELO-MODEL-MODELE		ZP-669	ZG-669	ZG-569
Sistema de TV TV system Système de TV		DVB-T AM-TV		
Número de canales Number of channels Nombre de canaux		4		5
Rango de frecuencia Frequency range Gamme de fréquences	Band	UHF		UHF
	MHz	830 - 862		822 - 862
Ganancia Gain Gain	dB	43 ±3,0	53 ±3,0	
Regulación de ganancia Gain adjust Réglage de gain	dB	20	20	
Nivel máximo de salida Maximun output level Niveau maximal de sortie	dB μ V	2x 115,5 (DIN 45004K) 2x 101,0 (IMD ₃ -54 dB) AM-TV 2x 98,0 (IMD ₃ -66 dB) AM-TV 2x 110,5 (IMD ₃ -35 dB) DVB-T	2x 123,5 (DIN 45004K) 2x 109,0 (IMD ₃ -54 dB) AM-TV 2x 106,0 (IMD ₃ -66 dB) AM-TV 2x 118,5 (IMD ₃ -35 dB) DVB-T	
Nivel máximo de salida Maximun output level Niveau maximal de sortie		-	Consultar tabla Check table Voir tableau	
Selectividad C _n -C _{n±2} Selectivity C _n -C _{n±3} Séléctivité f _c -f _c ±12 MHz	dB	12 22 12	12 22 12	12 22 12
Alimentación Power supply Alimentation	V \cdots	24	24	
	mA	33	75	

AM TV C_n-C_{n±2}: C_{Vn}-C_{a n-2} / C_{a n}-C_{V n+2} (C_v video carrier, C_a audio carrier)
C_n-C_{n±3}: C_{Vn}-C_{a n-3} / C_{a n}-C_{V n+3} (C_v video carrier, C_a audio carrier)

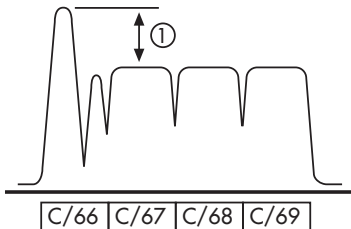
DVB-T f_c-f_c±12MHz: (f_c center frequency)

DIN 45004K: 3 unequal carriers, IMD₃ at 54 dB
IMD₃-66 dB: 3 unequal carriers, EN 50083-5
IMD₃-54 dB: 2 equal carriers, EN 50083-5
IMD₃-35 dB: 2 equal carriers, EN 50083-5

CÓDIGO-CODE-CODE	9050131	9050006	9050016
MODELO-MODEL-MODELE	ZP-669	ZG-669	ZG-569
Temperatura en proximidad del equipo Operating temperature close to equipment Température en proximité de l'équipement	° C	-10 .. +65	
Temperatura ambiente con/sin ventilador Room temperature with/without fan Température ambiante avec ou sans ventilateur	° C	-10 .. +55/+45	
Índice de protección Protection index Indice de protection		IP 20	

NIVEL MÁXIMO DE SALIDA
MAXIMUM OUTPUT LEVEL
NIVEAU MAXIMAL DE SORTIE

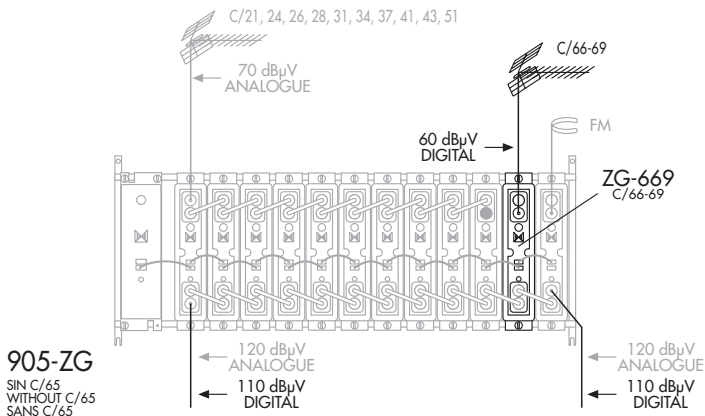
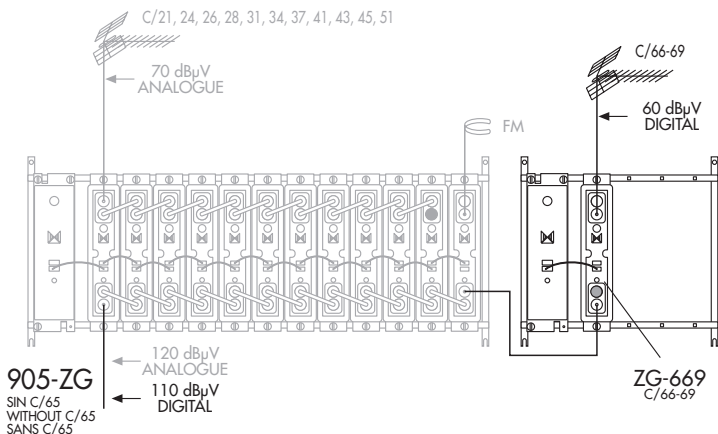
ZG-669/569		
Diferencia Difference Difference ①	Analogico AM TV Analogue AM TV Analogique AM TV	Digital COFDM Digital COFDM Numerique COFDM
dB	dB μ V	dB μ V
0	117,0	117,0
3	120,0	117,0
5	122,0	117,0
7	123,5	116,5
10	123,5	113,5
15	123,5	108,5
20	123,5	103,5



ESQUEMAS TÍPICOS

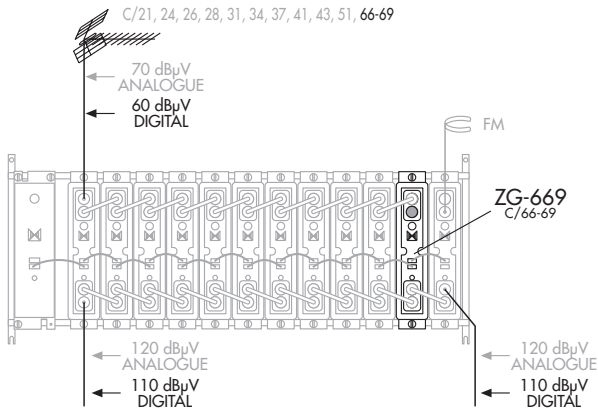
CONNECTION DIAGRAMS

SCHEMAS DE CONNEXION



ESQUEMAS TÍPICOS
 CONNECTION DIAGRAMS
 SCHEMAS DE CONNEXION

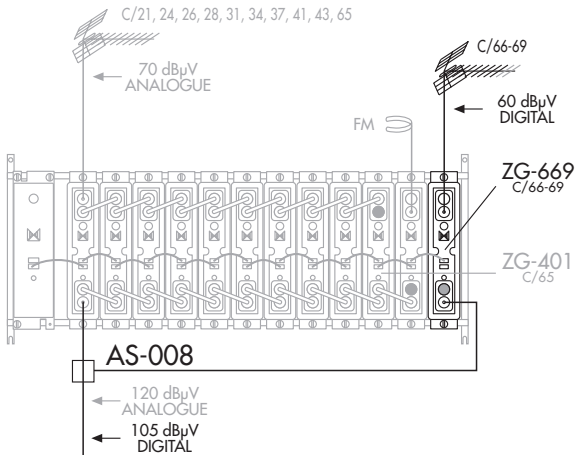
C/21, 24, 26, 28, 31, 34, 37, 41, 43, 51, 66-69



905-ZG

SIN C/65
 WITHOUT C/65
 SANS C/65

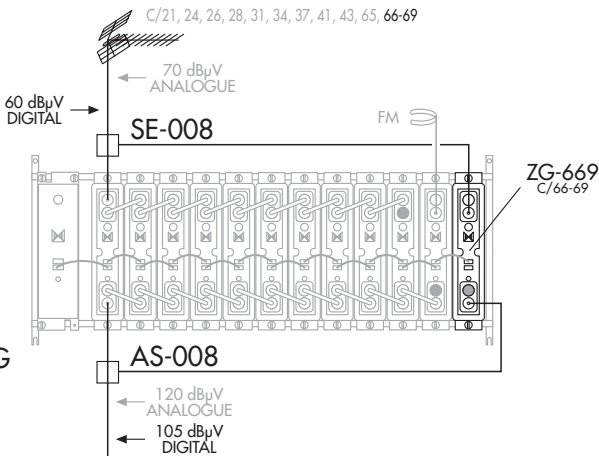
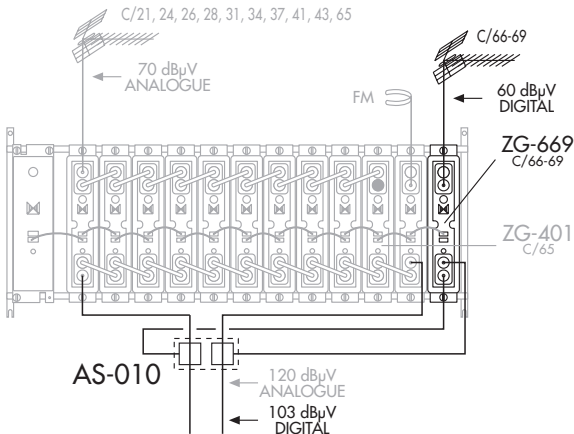
C/21, 24, 26, 28, 31, 34, 37, 41, 43, 65



905-ZG

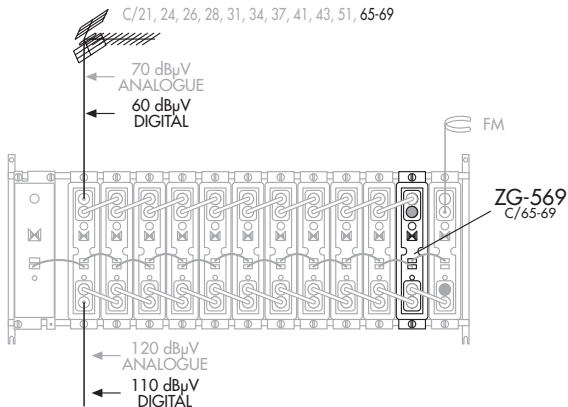
CON C/65
 WITH C/65
 AVEC C/65

ESQUEMAS TÍPICOS
 CONNECTION DIAGRAMS
 SCHEMAS DE CONNEXION



ESQUEMAS TÍPICOS
 CONNECTION DIAGRAMS
 SCHEMAS DE CONNEXION

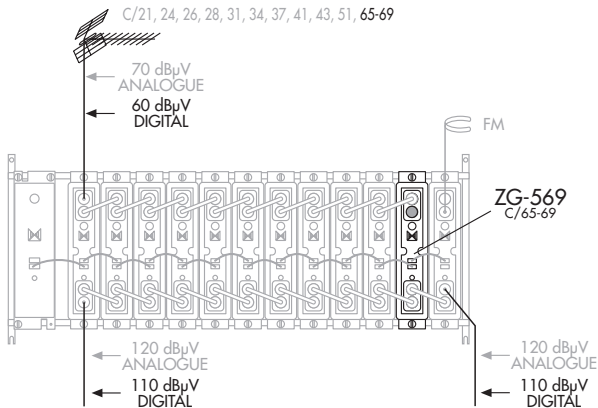
C/21, 24, 26, 28, 31, 34, 37, 41, 43, 51, 65-69



905-ZG

SIN C/65
 WITHOUT C/65
 SANS C/65

C/21, 24, 26, 28, 31, 34, 37, 41, 43, 51, 65-69



905-ZG

SIN C/65
 WITHOUT C/65
 SANS C/65



DECLARATION OF CONFORMITY

according to EN ISO/IEC 17050-1:2004

Manufacturer's Name: ALCAD, S.A.
Manufacturer's Address: Pol. Ind. Arreche-Ugalde, 1
Apdo. 455
20305 IRUN (Guipúzcoa)
SPAIN

declares that the product

Product Name: 905 Series: MODULAR MULTICHANNELS AMPLIFIERS

Model Number(s): ZP-669, ZG-669, ZG-569

Product Option(s): INCLUDING ALL OPTIONS

is in conformity with:

Safety: EN 50083-1:1993

EMC: EN 50083-2:2001

EN 61000-6-1:2001

EN 61000-4-2:1995 ESD 15KV AD, 8KV CD.

Technical Features : EN50083-5:2001

Supplementary Information:

The product herewith complies with the requirements of the Low Voltage Directive 73/23/ECC and the EMC Directive 89/336/EEC and their relevant amendments, gathered under the directive 93/68/EEC.

Note: to comply with these directives, do not use the products without covers and operate the system as specified.



Irún,

25-09-06

Date

Anton Galarza / General Manager

Especificaciones sujetas a modificación sin previo aviso
Specifications subject to modifications without prior notice
Les spécifications sont soumises à de possible modifications sans avis préalable



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ISO 9001

