

Programmable Amplifier **Engel PRO**

The smart amplifier



BLUETOOTH PROGRAMMING

through smartphone or android tablet



SETTING IN ONLY 2 STEPS

- 1 select the channels received (unadjusted clusters)
- 2 select level desired output

TECHNICAL SPECIFICATIONS

- Programmable Central High quality and very fast installation.
- Very easy programming from smartphones or tablets via bluetooth and android application.
- Automatic configuration of clusters (AutoCluster and autolevel)
- 1 entry satellite and terrestrial TV-6 inputs (BD I-FM, Bd III-DAB, VHF-UHF 3 UHF).
- 10 adjustable clusters in gain and bandwidth (1-7 channels)
- High selectivity, flatness and regularity throughout the UHF band for the combined amplification analog and / or digital channels.
- LTE filter on the inputs UHF1, UHF2, UHF3 and VHF / UHF.
- High output level even lower earnings cluster (common problem with other central market).
- Power supply 12 / 24V for previous antenna, adjustable menu and switched ON / OFF for each antenna input.
- Power for LNB (13 / 18V-0 / 22KHz) adjustable menu.
- Lockable security code Programming / Test RF output: -30 dB

PROGRAMMING FROM BLUETOOTH DEVICES



CONTROL AM1000

Seleccione la opción de configuración deseada entre automática y manual

ajustes auto
manual status

AUTOMATIC PROGRAMMING

A AUTO-CLUSTER

Escoja los canales deseados para cada antena

ANTENA 1 ANTENA 2

21 22 23 24 25
26 27 28 29 30
31 32 33 34 35
36 37 38 39 40
22 22 22 22 22

DVB-T PRE-SECAM

A AUTO-LEVEL

Escoja el nivel de salida deseado

115 dB μ V

START

A LEVEL-STATUS

GANANCIA GENERAL: 115 dB μ V

PREAMP ANTENA 1: ON
PREAMP ANTENA 2: OFF

M UHF SPLIT

Asigne filtros-clusters a cada antena

ANTENA 1 ANTENA 2

CLUSTERS

3 - 3
4 - 2
6 - 0

M START-STOP

Asigne canales a cada cluster

CLUSTERS

21 22 23 24 25
26 27 28 29 30
31 32 33 34 35
36 37 38 39 40
36 36 36 36 36
36 36 36 36 36

MANUAL LEVEL AUTOLEVEL

M AUTO-LEVEL

Escoja el nivel de salida deseado

115 dB μ V

START

M GAIN STATUS

GANANCIA GENERAL: 10 dB

PREAMP ANTENA 1: ON
PREAMP ANTENA 2: OFF

MANUAL PROGRAMMING

TECHNICAL SPECIFICATIONS

Inputs	BI-FM	BIII-DAB	VHF-UHF	UHF1	UHF2	UHF3	SAT
Frequency Range (MHz)	47-108	140-250	118-250 470-862	470-862	470-862	470-862	950-2200
Configuring clusters	-	-	-	de 0 a 7 Channels / cluster programmable			-
				10	0	0	
				9	0	1	
				7	0	3	
				2	8	0	
				2	7	1	
				2	5	3	
Gain (dB)	50	55	55	55	55	55	40
Input Attenuation (dB)	20	20	20	20	0/5/10/15/20		20
Attenuation of cluster (dB)	-	-	-	20	20	20	-
Attenuation master (dB)	-	-	-	20			-
Slope adjustment (dB)	-	-	-	-	-	-	20
Noise figure (dB)	5	7	7	6	6		8
Maximum input level (dBμV)	80	80	80	85	105		95
Level max. output (dBμV) *							120
(DIN45004B / -60dB)	115	115	115	120	120		- EN500B3-5 (IMD3-35dB) -
(DIN45004B / -54dB)	118	118	118	123	123		
Filter LTE **				ON/OFF selection			
Selectivity	-	-	-	15 dB / \pm 16 MHz			IF/RF > 35 dB
Loss return (dB)	>10	>10	>10	>10	>10	>10	>10
Remote Power Selector	-	-	12/24 Vdc			0/13/18 Vdc / 300 mA	
			400 mA total			0/22 KHz	
Outputs	Output RF+IF y Test RF: -30dB						
Programming	Bluetooth (from header or satellite coaxial jacks)						
Feeding	24Vdc (3A) external						
Operating temperature	0-50°						
Dimensions (mm)	314 x 220 x 33						

* The output level depends on the number of channels
 ** Filter LTE (4G Protection), Bandpass (470-790) MHz