

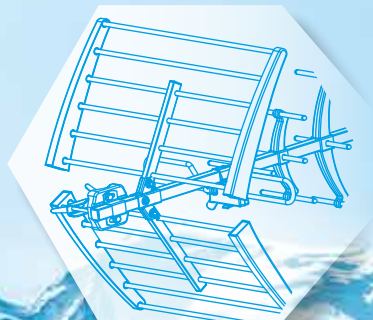
# MULTIMEDIA-TV

Reception and distribution of TV signals

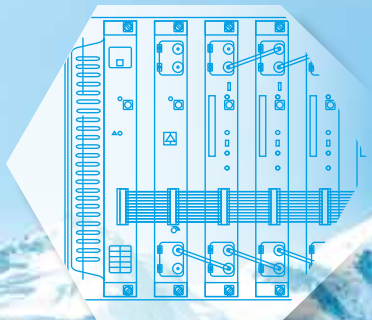
# ALCAD

#signal\_hunters

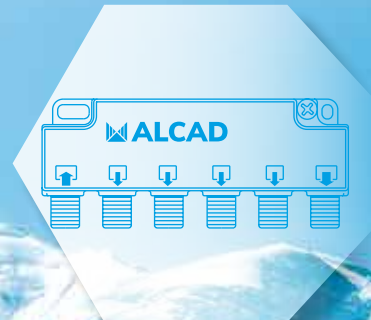
## TV RECEPTION



## SIGNAL PROCESSING



## SIGNAL DISTRIBUTION



SHORT FORM  
CATALOGUE  
**20  
20**



# WE REACH NEW HEIGHTS TO OFFER YOU THE GREATEST SIGNAL

Over 30 years of experience have placed ALCAD, nowadays, in a privileged situation in the Multimedia market. Our wide range of products meet all kinds of needs, from LTE700- ready amplifiers to multipurpose headends.

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 **ALCAD**  
#signal\_hunters

Short form catalogue MULTIMEDIA-TV  
Enero de 2020



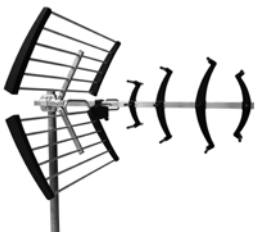


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himalaya headend

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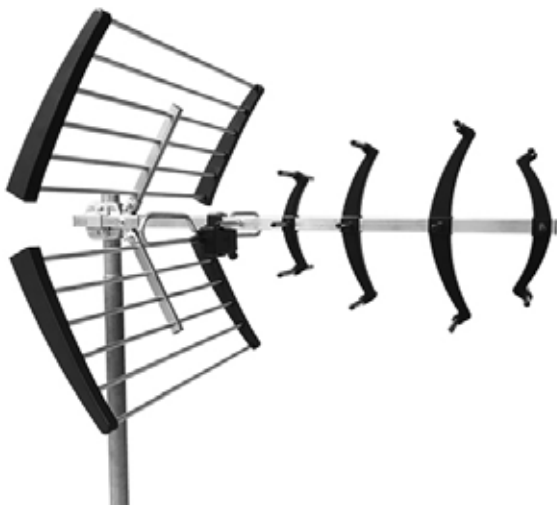
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# ANTENNAS

## Terrestrial antennas



9000189 | NEO-047



9000109 | MX-047



9000198 | GAN-267

x10 antennas BU-267

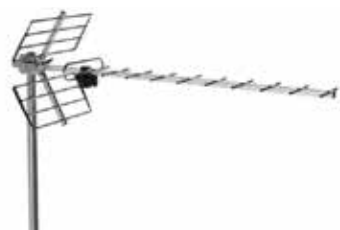
### / LTE700 antennas

#### IN INDIVIDUAL PACKAGING

CODE	TYPE	DESCRIPTION	PACK.
9000110	BU-117	Yagi antenna, 15 dBi	144
9000105	BU-267	Yagi antenna, double array, small reflector, 15 dBi	76
9000111	BU-457	Yagi antenna, double array, large reflector, 16 dBi	52
9000047	BU-547	Yagi antenna, large, double array, small reflector, 18 dBi	27
9000189	NEO-047	Yagi antenna, triple array, 16 dBi	33
9000187	NEO-087	Yagi antenna, large, triple array, 18 dBi	26
9000109	MX-047	Yagi antenna, quadruple array, 18 dBi	38
9000197	AP-367	Reflective array antenna, quadruple array, 16 dBi	48

#### IN BULK PACKAGING

CODE	TYPE	DESCRIPTION	PACK.
9000198	GAN-267	Box with 10 BU-267 antennas in individual plastic bags	10
9000112	GA-457	Box with 5 BU-457 antennas in individual plastic bags	12
9000199	GA-047	Box with 4 NEO-047 antennas in individual plastic bags	10



9000084 | BU-116



9000082 | BU-266



9000091 | AP-368

## / LTE800 antennas

### IN INDIVIDUAL PACKAGING

CODE	TYPE	DESCRIPTION	PACK.
9000084	<b>BU-116</b>	Yagi antenna, 15 dBi	144
9000104	<b>BU-118</b>	Yagi antenna, 15 dBi, with LTE800 filter	144
☀ 9000103	<b>BU-288</b>	Yagi antenna, small, double array, small reflector, 12 dBi, with LTE800 filter	76
9000082	<b>BU-266</b>	Yagi antenna, double array, small reflector, 15 dBi	76
9000101	<b>BU-268</b>	Yagi antenna, double array, small reflector, 15 dBi, with LTE800 filter	76
9000083	<b>BU-456</b>	Yagi antenna, double array, large reflector, 16 dBi	52
9000093	<b>BU-458</b>	Yagi antenna, double array, large reflector, 16 dBi, with LTE800 filter	52
☀ 9000089	<b>BU-566</b>	Yagi antenna, large, double array, small reflector, 18 dBi	27
9000107	<b>NEO-046</b>	Yagi antenna, triple array, 16 dBi	40
9000108	<b>NEO-048</b>	Yagi antenna, triple array, 16 dBi, with LTE800 filter	40
9000113	<b>NEO-148</b>	Yagi antenna, includes 24V preamplifier, triple array, 25 dBi, with LTE800 filter	40
9000186	<b>NEO-086</b>	Yagi antenna, large, triple array, 18 dBi	30
☀ 9000196	<b>NEO-096</b>	Yagi antenna, large, triple array, 18 dBi	20
9000188	<b>NEO-088</b>	Yagi antenna, large, triple array, 18 dBi, with LTE800 filter	30
9000085	<b>MX-046</b>	Yagi antenna, quadruple array, 18dBi	36
☀ 9000092	<b>MX-048</b>	Yagi antenna, quadruple array, 18dBi, with LTE800 filter	38
9000088	<b>MX-076</b>	Yagi antenna, large, quadruple array, 20 dBi	27
9000091	<b>AP-368</b>	Reflective array antenna, quadruple array, 16 dBi	48

### IN BULK PACKAGING

CODE	TYPE	DESCRIPTION	PACK.
9000086	<b>GA-266</b>	Box with 12 BU-266 antennas in individual plastic bags	10
9000102	<b>GA-268</b>	Box with 12 BU-268 antennas in individual plastic bags	10
9000087	<b>GA-456</b>	Box with 6 BU-456 antennas in individual plastic bags	12
9000100	<b>GA-458</b>	Box with 6 BU-458 antennas in individual plastic bags	12
☀ 9000090	<b>GA-566</b>	Box with 6 BU-566 antennas in individual plastic bags	8

☀ Until end  
of stock

## / UHF antennas, 470-862 MHz

CODE	TYPE	DESCRIPTION	PACK.
9000077	<b>BU-115</b>	Yagi antenna, small, 13 dBi	216
9000046	<b>BU-119</b>	Yagi antenna, 15 dBi	144
9000039	<b>BU-289</b>	Yagi antenna, small, double array, 11 dBi	80
9000042	<b>BU-269</b>	Yagi antenna, double array, 15 dBi	76
9000065	<b>GA-269</b>	Box with 12 BU-269 antennas in individual plastic bags	10
9000043	<b>BU-569</b>	Yagi antenna, large, double array, 18 dBi	27
9000185	<b>NEO-085</b>	Yagi antenna, large, triple array, 18 dBi	30
9000195	<b>NEO-095</b>	Yagi antenna, large, triple array, 18 dBi	20



9000071 | **BT-151**



9000040 | **FM-102**

## / BIII, DAB and FM antennas

CODE	TYPE	DESCRIPTION	PACK.
9000071	<b>BT-151</b>	DAB, omnidirectional, vertical polarization, 0 dBi	2/180
9000063	<b>BT-751</b>	BIII yagi antenna, 12 dBi, C5-12	90
9000080	<b>GA-751</b>	Box with 20 BT-751 antennas in individual plastic bags	12
9000040	<b>FM-102</b>	FM antenna, 87.5-108 MHz, omnidirectional, 2 pieces per box	2/128
9000005	<b>FM-200</b>	FM antenna, 87.5-108 MHz, vertical and horizontal polarizations	64

## / Indoor antennas

CODE	TYPE	DESCRIPTION	PACK.
9510011	<b>IA-001</b>	Amplified indoor antenna	10



# Satellite dishes



9120157 | PF-223



9120216 | PF-620

## / Satellite dishes

CODE	TYPE	DESCRIPTION	PACK.
9120030	PF-230	Satellite dish, ø60cm, fiber, includes 1 single LNB	24
9120156	PF-220	Satellite dish, ø65cm, electro zinc plated steel	15
9120157	PF-223	Satellite dish, ø65cm, electro zinc plated steel, includes 1 single LNB	15
9120158	PF-224	Box with 5 PF-223 dishes and their respective LNBs	15
9120160	PF-420	Satellite dish, ø80cm, electro zinc plated steel	12
9120161	PF-423	Satellite dish, ø80cm, electro zinc plated steel, includes 1 single LNB	12
9120162	PF-424	Box with 5 PF-423 dishes and their respective LNBs	12
9120122	PF-431	Satellite dish, ø85cm, fiber	14
9120216	PF-620	Satellite dish, ø100cm, electro zinc plated steel	8

# LNBs



9120206 | UE-004



9160031 | OLN-603

## / with coaxial output

CODE	TYPE	DESCRIPTION	PACK.
9120206	UE-004	Single LNB, Ku band	1
9120204	UE-202	Twin LNB, Ku band	1
9120205	UE-300	Quad LNB, Ku band	1
9120198	UE-403	Quattro LNB, Ku band	1

## / with fiber output

CODE	TYPE	DESCRIPTION	PACK.
9160031	OLN-603	Optical LNB, Ku band, 4 polarities in 1 single-mode fiber, 7 dBm, FC/PC connector	1

# Masts, towers and mechanical accessories



## / Towers

CODE	TYPE	DESCRIPTION	PACK.
9980051	<b>TI-025</b>	Bottom tower section, 2.5m	1
9980052	<b>TS-015</b>	Top tower section, 1.5m	1
9980050	<b>TS-025</b>	Top tower section, 2.5m	1
9980053	<b>BF-003</b>	Fixed base, secured by metal bolts	4
9980055	<b>BE-001</b>	Reinforced embedded base plate	4

## / Masts

CODE	TYPE	DESCRIPTION	PACK.
9980002	<b>MT-210</b>	Mast, 1500x35x1.5mm, galvanized iron	6
9980003	<b>MT-410</b>	Mast, 2500x35x1.5mm, galvanized iron	6
9980102	<b>MT-411</b>	Mast, 2500x40x2.0mm, galvanized iron	6
9980004	<b>MT-325</b>	Telescopic mast, 3000x25x1.5mm, zinc plated iron	6
9980005	<b>MT-332</b>	Telescopic mast, 3000x30x1.5mm, zinc plated iron	6
9980006	<b>MT-338</b>	Telescopic mast, 3000x35x1.5mm, zinc plated iron	6
9980007	<b>MT-345</b>	Telescopic mast, 3000x40x1.5mm, zinc plated iron	6
9980008	<b>MT-352</b>	Telescopic mast, 3000x45x1.5mm, zinc plated iron	6



9980066 | **RD-100**

## / Wall supports

CODE	TYPE	DESCRIPTION	PACK.
9980065	<b>RS-500</b>	Horizontal reinforced antenna support, zinc plated iron	16
9980066	<b>RD-100</b>	Double horizontal reinforced antenna support, zinc plated iron	8
9980115	<b>BZ-401</b>	Wall support for ø65cm satellite dishes, galvanized iron	1
9980063	<b>BZ-400</b>	Wall support for ø85cm satellite dishes, galvanized iron	1



9980056 | GM-040



9980067 | GM-200



9980069 | SE-090

## / Wall clamps

CODE	TYPE	DESCRIPTION	PACK.
9980016	GM-026	Wall clamp, 285mm, zinc plated iron	50
9980056	GM-040	Wall clamp, 300mm, zinc plated iron	100
9980057	GM-050	Wall clamp, 480mm, zinc plated iron	10
9980067	GM-200	Clamp with 200mm metal bolts	12
9980068	GM-350	Clamp with 300mm metal bolts	1
9980100	GM-515	Clamp with 500mm metal bolts	1
9980069	SE-090	Flange plate to be secured with 165mm metal bolts	50



9980009 | PI-101



9980018 | BE-201



9980013 | BB-001

## / Other accessories

CODE	TYPE	DESCRIPTION	PACK.
9980009	PI-101	Satellite dish support (up to $\varnothing$ 110cm), secured to BE-201 using 165mm metal bolts	1
9980018	BE-201	Embedded satellite dish base (up to $\varnothing$ 110cm)	4
9980023	SA-010	Support for 2 LNBS in PF-230/431 dishes for satellites 6° apart	1
9980062	CT-001	$\varnothing$ 2mm steel cable	100
9980114	CT-003	$\varnothing$ 3mm steel cable	100
9980014	TE-014	1/4" tightener	1
9980059	AC-013	Cable clamps for $\varnothing$ 2mm steel cable	25
9980058	AC-014	Cable clamps for $\varnothing$ 1/4" steel cable	1
9980011	JV-335	Ring and clamp to secure masts with steel cables	100
9980108	FJ-301	Galvanized steel strap, 5m	1
9980116	AB-010	Clamp for $\varnothing$ 35mm mast	10
9980013	BB-001	Bar clamp, $\varnothing$ 60mm	100
9980012	BB-002	Double reinforced bar clamp, $\varnothing$ 60mm	75
9980099	CH-030	Chimney clamp, $\varnothing$ 35mm zinc plated steel tubes	1
9980101	CH-031	Chimney clamp, $\varnothing$ 40mm zinc plated steel tubes	1
9980020	TA-001	Tiltable base for rooftop for $\varnothing$ 40mm masts	6



# Preamplifiers, multiplexers and mast filters



9010008 | **BR-401**

## / Preamplifiers

**FOR BU, MX, NEO-04X AND NEO-148 ANTENNAS**

CODE	TYPE	DESCRIPTION	PACK.
9010009	<b>BR-411</b>	UHF preamplifier, 14dB, 12V	100
9010008	<b>BR-401</b>	UHF preamplifier, 14dB, 24V	100
9010018	<b>BR-407</b>	UHF preamplifier, 14dB, 24V, with LTE700 filter	100

**FOR NEO-08X AND NEO-09X ANTENNAS**

CODE	TYPE	DESCRIPTION	PACK.
9010014	<b>BR-431</b>	UHF preamplifier, 14dB, 12V	100
9010013	<b>BR-421</b>	UHF preamplifier, 14dB, 24V	100



9020052 | **FR-900**



9020050 | **FR-519**



9020041 | **MM-200**

## / Mast rejection filters

CODE	TYPE	DESCRIPTION	PACK.
9020052	<b>FR-900</b>	LTE700 rejection filter, bandpass up to C48 (694 MHz), 60dB	24
9020050	<b>FR-519</b>	LTE800 rejection filter, bandpass up to C58 (774 MHz), 60dB	24
9020051	<b>FR-719</b>	LTE800 rejection filter, bandpass up to C59 (782 MHz), 60dB	24
9020048	<b>FR-619</b>	LTE800 rejection filter, bandpass up to C60 (790 MHz), 60dB	24
9020016	<b>FR-413</b>	UHF rejection filter with 4 1-channel adjustable filters	24
9020047	<b>FR-015</b>	Tetra rejection filter, 460-470 MHz	24

## / Mast multiplexers

CODE	TYPE	DESCRIPTION	PACK.
9020040	<b>MM-207</b>	2 inputs, VHF/FM - UHF, no DC path	24
9020041	<b>MM-200</b>	2 inputs, 40-862 MHz, both with DC path	24
9020045	<b>MM-214</b>	2 inputs, 5-862 MHz + SAT, DC path in SAT	24
9020042	<b>MM-307</b>	3 inputs, VHF/FM - UHF1 - UHF2, DC path in UHF2	24
9020017	<b>MM-303</b>	3 inputs, FM - VHF - UHF, DC path in UHF	24

# AMPLIFICATION

## Mast amplifiers + kits



9030209 | AM-915



9030207 | AM-396

/ LTE700 mast amplifiers, 108 dB $\mu$ V

CODE	TYPE	DESCRIPTION	PACK.
9030192	AM-190	1 input, UHF 20 dB, 24 Vdc	24
9030193	AM-195	1 input, UHF 32 dB, 24 Vdc	24
9030185	AM-183	1 or 2 inputs, UHF 24dB + DAB/FM 16dB, 12 Vdc	24
9030186	AM-187	1 or 2 inputs, UHF 24dB + DAB/FM 16dB, 12 Vdc	24
9030194	AM-292	2 inputs, UHF 20dB + DAB/FM 10dB, 24 Vdc	24
9030195	AM-296	2 inputs, UHF 32dB + DAB/FM 20dB, 24 Vdc	24
9030209	AM-915	2 inputs, UHF 40dB + DAB 28dB, 24 Vdc	24
9030207	AM-396	3 inputs, (UHF1 + UHF2) 32dB + DAB/FM 20dB, 24 Vdc	24
9030201	AM-397	3 inputs, UHF 32dB + (DAB + FM) 20dB, 24 Vdc	24
9030200	AM-387	3 inputs, UHF 32dB + (DAB + FM) 20dB, 12 Vdc	24
9030204	AM-497	4 inputs, (UHF1 + UHF2) 32dB + (DAB + FM) 20dB, 24 Vdc	24
9030205	AM-487	4 inputs, (UHF1 + UHF2) 32dB + (DAB + FM) 20dB, 12 Vdc	24

/ Kits of LT700 mast amplifiers + power supply

CODE	TYPE	DESCRIPTION	PACK.
9030196	BO-190	Kit AM-190 amplifier + AL-100 power supply	24
9030197	BO-195	Kit AM-195 amplifier + AL-100 power supply	24
9030198	BO-292	Kit AM-292 amplifier + AL-100 power supply	24
9030199	BO-296	Kit AM-296 amplifier + AL-100 power supply	24
9030210	BO-915	Kit AM-915 amplifier + AL-100 power supply	24
9030208	BO-396	Kit AM-396 amplifier + AL-100 power supply	24
9030202	BO-397	Kit AM-397 amplifier + AL-100 power supply	24
9030206	BO-497	Kit AM-497 amplifier + AL-100 power supply	24



9030208 | BO-396

New



9030165 | AM-160



9030163 | AM-165



9030188 | AM-177

## / LTE800 mast amplifiers, 108 dB $\mu$ V

CODE	TYPE	DESCRIPTION	PACK.
9030165	AM-160	1 input, UHF 20 dB, 24 Vdc	24
9030163	AM-165	1 input, UHF 32 dB, 24 Vdc	24
9030178	AM-173	1 o 2 inputs, UHF 24dB + DAB/FM 16dB, 12 Vdc	24
☀ 9030187	AM-167	1 o 2 inputs, UHF 34dB + DAB/FM 20dB, 24 Vdc	24
9030188	AM-177	1 o 2 inputs, UHF 34dB + DAB/FM 20dB, 12 Vdc	24
9030175	AM-270	2 inputs, UHF 20dB + DAB 10dB, 12 Vdc	24
9030166	AM-262	2 inputs, UHF 20dB + DAB/FM 10dB, 24 Vdc	24
9030164	AM-266	2 inputs, UHF 32dB + DAB/FM 20dB, 24 Vdc	24
9030176	AM-274	2 inputs, UHF 34dB + DAB 20dB, 12 Vdc	24
9030190	AM-913	2 inputs, UHF 40dB + DAB 28dB, 24 Vdc	24
☀ 9030172	AM-362	3 inputs, (UHF1 + UHF2) 20dB + DAB/FM 10dB, 24 Vdc	24
9030171	AM-366	3 inputs, (UHF1 + UHF2) 32dB + DAB/FM 20dB, 24 Vdc	24
☀ 9030179	AM-911	3 inputs, UHF 32dB + (DAB + FM) 20dB, 24 Vdc	24
9030177	AM-374	3 inputs, (UHF1 + UHF2) 34dB + DAB 20dB, 12 Vdc	24

## / Kits of LT800 mast amplifiers + power supply

CODE	TYPE	DESCRIPTION	PACK.
9030169	BO-160	Kit AM-160 amplifier + AL-100 power supply	24
9030167	BO-165	Kit AM-165 amplifier + AL-100 power supply	24
9030170	BO-262	Kit AM-262 amplifier + AL-100 power supply	24
9030168	BO-266	Kit AM-266 amplifier + AL-100 power supply	24
☀ 9030174	BO-362	Kit AM-362 amplifier + AL-100 power supply	24
9030173	BO-366	Kit AM-366 amplifier + AL-100 power supply	24
☀ 9030181	BO-911	Kit AM-911 amplifier + AL-100 power supply	24
9030191	BO-913	Kit AM-913 amplifier + AL-100 power supply	24



## / Non-LTE mast amplifiers and amplifier kits, 108 dB $\mu$ V

CODE	TYPE	DESCRIPTION	PACK.
9030150	AM-150	1 input, UHF 20 dB, 12 Vdc	24
9030122	AM-930	1 input, UHF 24 dB, 12 Vdc, 4 salidas, 98 dB $\mu$ V	24
9030141	AM-145	1 input, UHF 32 dB, 24 Vdc	24
9030147	AM-155	1 input, UHF 32 dB, 12 Vdc	24
9030142	AM-246	2 inputs, UHF 32dB + DAB/FM 20dB, 24 Vdc	24
9030148	AM-256	2 inputs, UHF 32dB + DAB/FM 20dB, 12 Vdc	24
☀ 9030155	AM-342	3 inputs, (UHF1 + UHF2) 20dB + DAB/FM 10dB, 24 Vdc	24
☀ 9030159	BO-342	Kit AM-342 amplifier + AL-100 power supply	24
☀ 9030143	AM-346	3 inputs, (UHF1 + UHF2) 32dB + DAB/FM 20dB, 24 Vdc	24
9030149	AM-356	3 inputs, (UHF1 + UHF2) 32dB + DAB/FM 10dB, 12 Vdc	24
☀ 9030182	AM-447	4 inputs, (UHF1 + UHF2) 32dB + (DAB + BI/FM) 20dB, 24 Vdc	24

## / Mast amplifiers with custom filters. 106 dB $\mu$ V

CODE	TYPE	DESCRIPTION	PACK.
9030048	AM-309	3 inputs, (UHF1 + UHF2) 36dB + BI/FM/DAB 30/20/30dB, 24 Vdc, UHF filters configured on manufactured	24



9030086 | AL-100



9030103 | AL-110

## / Power supplies for mast amplifiers

CODE	TYPE	DESCRIPTION	PACK.
9030086	AL-100	24 Vdc, 100 mA, 2 outputs	24
9030087	AL-105	12 Vdc, 100 mA, 2 outputs	24
9030119	AL-125	12 Vdc, 100 mA, 2 outputs, UK plug	24
9030103	AL-110	24 Vdc, 100 mA, 4 outputs	24
☀ 9030134	AL-130	24 Vdc, 100 mA, 5 outputs	24

# Apartment amplifiers



9040129 | AI-270



9040063 | AI-400

## / TV, 102-104 dB $\mu$ V

CODE	TYPE	DESCRIPTION	PACK.
9040053	AI-100	2 unbalanced OUT1/OUT2 outputs, UHF 24/13 dB, VHF 14/3 dB	24
9040062	AI-108	2 unbalanced OUT1/OUT2 outputs, UHF 24/13 dB, VHF 14/3 dB, with RP for Dual View I, Digibox and Sky+	24
9040050	AI-200	2 outputs, UHF 24 dB, VHF 14 dB	24
9040125	AI-240	2 outputs, UHF 24 dB, VHF 14 dB, filtro LTE800	24
9040129	AI-270	2 outputs, UHF 24 dB, VHF 14 dB, filtro LTE700	24
9040063	AI-400	4 outputs, UHF 28 dB, VHF 20 dB	24

## / CATV

CODE	TYPE	DESCRIPTION	PACK.
9040056	AI-131	2 unbalanced, equalizable OUT1/OUT2 outputs, 47-862 MHz 24/10 dB, RP 30 MHz, 113/99 dB $\mu$ V	24
9040057	AI-133	2 unbalanced, equalizable OUT1/OUT2 outputs, 86-862 MHz 24/10 dB, RP 65 MHz, 113/99 dB $\mu$ V	24
9040051	AI-221	2 outputs, 47-862 MHz 25 dB, RP 30 MHz, 105 dB $\mu$ V	24
9040052	AI-223	2 outputs, 86-862 MHz 25 dB, RP 65 MHz, 105 dB $\mu$ V	24
9040130	AI-231	2 outputs, 47-862 MHz 28 dB, RP 30 MHz, 110 dB $\mu$ V	24
9040123	AI-233	2 outputs, 86-862 MHz 28 dB, RP 65 MHz, 110 dB $\mu$ V	24

## / TV/SAT

CODE	TYPE	DESCRIPTION	PACK.
9040071	AI-210	2 outputs, UHF 16 dB 95 dB $\mu$ V, SAT 30 dB 112 dB $\mu$ V	24
9040075	AI-414	4 outputs, UHF 12 dB 91 dB $\mu$ V, SAT 25 dB 108 dB $\mu$ V	24

# Broadband header amplifiers



9040073 | CA-220



9040147 | CA-361



9040141 | CA-360



9040146 | CA-362



9040120 | CA-440







9040142 | CA-770

## / Broadband amplifiers


### 102-107 dB $\mu$ V

CODE	TYPE	DESCRIPTION	PACK.
9040060	CA-210	1 input, 2 outputs, UHF 25dB, VHF 24dB, 102 dB $\mu$ V, 24 Vdc	24
9040061	CA-215	1 input, 2 outputs, UHF 25dB, VHF 24dB, 102 dB $\mu$ V, 12 Vdc	24
9040073	CA-220	1 input, 4 outputs, TV 22dB, SAT 25dB, 107 dB $\mu$ V, 24 Vdc	24



### TWO OUTPUTS, 110 dB $\mu$ V

CODE	TYPE	DESCRIPTION	PACK.
9040011	CA-311	2 inputs, UHF 42dB + BI/FM/DAB 33dB	24
 9040147	CA-361	2 inputs, UHF 42dB LTE700 + BI/FM/DAB 32/22/32dB	24
9040014	CA-310	3 inputs, (UHF1 + UHF2) 42dB + BI/FM/DAB 35/25/35dB	24
9040116	CA-340	3 inputs, (UHF1 + UHF2) 45dB LTE800 + BI/FM/DAB 35/25/35dB	24
 9040141	CA-360	3 inputs, (UHF1 + UHF2) 42dB LTE700 + BI/FM/DAB 32/22/32dB	24
9040039	CA-312	4 inputs, (UHF1 + UHF2) 30dB + (DAB + BI/FM) 20dB	24
9040117	CA-342	4 inputs, (UHF1 + UHF2) 30dB LTE800 + (DAB + BI/FM) 20dB	24
 9040146	CA-362	4 inputs, (UHF1 + UHF2) 30dB LTE700 + (DAB + BI/FM) 20dB	24
 9040058	CA-313	5 inputs, (BI + BIII) 25dB + (BIV + BV + UHF) 34dB, 1 output 114 dB $\mu$ V	24

### 114-115 dB $\mu$ V

CODE	TYPE	DESCRIPTION	PACK.
9040120	CA-440	3 entradas, (UHF1 + UHF2) 35dB LTE800 + DAB 35dB	24
9040121	CA-441	4 entradas, (BIV + BV + UHF) 35dB LTE800 + DAB 35dB, bandas BIV y BV configurables bajo pedido	24
 9040118	CA-541	5 entradas, (UHF1 + UHF2) 45dB LTE800 + (BI + FM + DAB) 40dB	8

### TV Y TV/SAT, 118-122 dB $\mu$ V

CODE	TYPE	DESCRIPTION	PACK.
9040102	CA-620	6 entradas, (BI/FM + DAB) 37dB + (UHF1 + UHF2 + UHF3) 47dB + SAT 45dB, OUT1 TV + OUT2 TV/SAT	8
9040103	CA-710	5 entradas, (UHF1 + UHF2 + UHF3) 51dB + (DAB + BI/FM) 41dB	8
 9040128	CA-750	6 entradas, (UHF1 + UHF2 + UHF3) 51dB LTE800 + (DAB + BI/FM) 41dB + SAT 42dB	8
 9040142	CA-770	6 entradas, (UHF1 + UHF2 + UHF3) 51dB LTE700 + (DAB + BI/FM) 40dB + SAT 42dB	8

### SAT 120 dB $\mu$ V

CODE	TYPE	DESCRIPTION	PACK.
9040003	CA-730	1 entrada, SAT 42dB, 120 dB $\mu$ V, alimentación LNB 0/13/17V 0/22 KHz	8



New

Until end  
of stock



# everest

## The range of multiband amplifiers inspired by the top of the world



### WIDE AND COMPLETE RANGE

All Everest multiband amplifiers have 117 dB $\mu$ V output level.



### RELIABLE AND VERSATILE

Redundant power supply thanks to the integrated power supply and the option to connect an external one. This feature reduces dramatically the risk of failure. Moreover, switchable gain makes it adaptable to any kind of installation.



### EASY INSTALLATION AND COMMISSIONING

No need to use a programmer or any special tools.



9040138 | CA-664

### EVEREST TV, 117 dB $\mu$ V

CODE	TYPE	DESCRIPTION	PACK.
9040136	CA-611	3 inputs, UHF 45/30dB + (DAB + FM) 32dB	10
9040137	CA-641	3 inputs, UHF 45/30dB LTE 800 + (DAB + FM) 32dB	10
9040148	CA-661	3 inputs, UHF 45/30dB LTE 800 + (DAB + FM) 32dB	10
9040133	CA-612	4 inputs, (UHF1 + UHF2) 45/30dB + (DAB + FM) 32dB	10
9040131	CA-642	4 inputs, (UHF1 + UHF2) 45/30dB LTE800 + (DAB + FM) 32dB	10
9040132	CA-662	4 inputs, (UHF1 + UHF2) 45/30dB LTE700 + (DAB + FM) 32dB	10
9040138	CA-664	4 inputs, (UHF1 LTE800 + UHF2 LTE700) 45/30dB + (DAB + FM) 32dB	10
9040134	CA-613	5 inputs, (UHF1 + UHF2 + UHF3) 45/30dB + (DAB + FM) 32dB	10
9040135	CA-643	5 inputs, (UHF1 + UHF2 + UHF3) 45/30dB LTE800 + (DAB + FM) 32dB	10
9040149	CA-663	5 inputs, (UHF1 + UHF2 + UHF3) 45/30dB LTE700 + (DAB + FM) 32dB	10
9040250	FF-200	External everest power supply for redundant power or as a spare part, 24Vdc/1A	11

### EVEREST TV/SAT, 117-118 dB $\mu$ V

CODE	TYPE	DESCRIPTION	PACK.
9040139	CA-651	4 inputs, UHF1 45/30dB LTE800 + SAT 43dB + (DAB + BI/FM) 30dB	9
9040143	CA-671	4 inputs, UHF1 45/30dB LTE700 + SAT 43dB + (DAB + BI/FM) 30dB	9
9040140	CA-652	5 inputs, (UHF1 + UHF2) 45/30dB LTE800 + SAT 43dB + (DAB + BI/FM) 30dB	9
9040144	CA-672	5 inputs, (UHF1 + UHF2) 45/30dB LTE700 + SAT 43dB + (DAB + BI/FM) 30dB	9
9040250	FF-200	External everest power supply as a spare part, 24Vdc/1A	11

# k2

## Powerful broadband amplifiers in a very small footprint



### GREAT POWER IN A VERY SMALL FOOTPRINT

Up to 110 dB $\mu$ V and with LTE700-ready options.



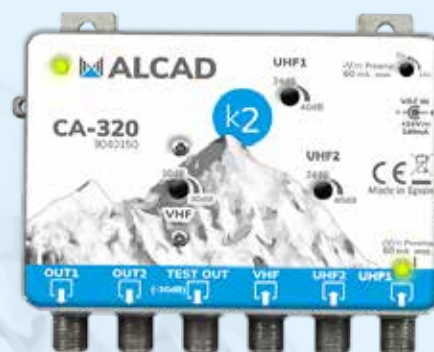
### RELIABLE AND VERSATILE

Their external power supply allows for easy maintenance.



### EASY INSTALLATION

No programmer or special tools needed.



9040150 | CA-320

### K2, TWO OUTPUTS, 110 dB $\mu$ V, EXTERNAL POWER SUPPLY

CODE	TYPE	DESCRIPTION	PACK.
9040151	CA-321	2 inputs, UHF 40dB + BI/FM/DAB 30/20/30dB	-
9040153	CA-371	2 inputs, UHF 40dB LTE700 + BI/FM/DAB 30/20/30dB	-
9040150	CA-320	3 inputs, (UHF1 + UHF2) 40dB + BI/FM/DAB 30/20/30dB	-
9040152	CA-370	3 inputs, (UHF1 + UHF2) 40dB LTE700 + BI/FM/DAB 30/20/30dB	-
9040251	FF-300	Spare power supply for k2 amplifiers, 24V/250mA	-

# Distribution amplifiers



9110000 | DAM-504



9040065 | DA-520



9040047 | CF-116

## / Distribution amplifiers

### TV

CODE	TYPE	DESCRIPTION	PACK.
9040031	CF-111	TV 47-862 MHz 38 dB, RP 30 MHz 10dB, 113 dBµV	8
9040046	CF-115	TV 86-862 MHz 38 dB, RP 65 MHz 10dB, 113 dBµV	8
9040016	DA-701	TV 47-862 MHz 34 dB, RP 30 MHz 4dB, 120 dBµV	8
9040019	DA-703	TV 86-862 MHz 34 dB, RP 65 MHz 6dB, 120 dBµV	8
9040119	DA-706	TV 86-862 MHz 34 dB, RP 65 MHz 20dB, 120 dBµV	8
9040036	CF-711	TV 47-862 MHz 47dB, RP 30 MHz 16dB, 120 dBµV	8
9040042	CF-715	TV 86-862 MHz 47dB, RP 65 MHz 16dB, 120 dBµV	8
9040015	DA-720	Separate adjustment, VHF (47-422 MHz, 35dB), UHF (470-862 MHz, 36dB), 120 dBµV	8
9110000	DAM-504	CATV 54-862 MHz 34dB, RP 42 MHz 20dB, UK plug	1

### TV/SAT

CODE	TYPE	DESCRIPTION	PACK.
9040065	DA-520	Double input and output, TV/SAT1 + TV/SAT2, 118 dBµV	8
9040032	CF-112	TV 47-862 MHz 40dB 113 dBµV, SAT 40dB 120 dBµV, RP 30 MHz 10dB	8
9040047	CF-116	TV 86-862 MHz 40dB 113 dBµV, SAT 40dB 120 dBµV, RP 65 MHz 10dB	8
9040017	DA-711	TV 47-862 MHz 34dB, SAT 41dB, RP 30 MHz 4dB, 120 dBµV	8
9040025	DA-713	TV 86-862 MHz 34dB, SAT 41dB, RP 65 MHz 6dB, 120 dBµV	8
9040037	CF-712	TV 47-862 MHz 47dB, SAT 40dB, RP 30 MHz 10dB, 120 dBµV	8
9040043	CF-716	TV 86-862 MHz 47dB, SAT 40dB, RP 65 MHz 10dB, 120 dBµV	8

# everest

## EVEREST TV AND TV/SAT

CODE	TYPE	DESCRIPTION	PACK.
9040155	DA-601	TV 47-862 MHz 34dB 117 dBµV, RP 30 MHz 18dB	-
9040156	DA-603	TV 86-862 MHz 34dB 117 dBµV, RP 65 MHz 18dB	-
9040157	DA-611	TV 47-862 MHz 34dB 117 dBµV, SAT 40dB 118,5 dBµV, RP 30 MHz 18dB	-
9040158	DA-613	TV 86-862 MHz 34dB 117 dBµV, SAT 40dB 118,5 dBµV, RP 65 MHz 18dB	-
9040250	FF-200	External everest power supply as a spare part, 24Vdc/1A	11



# Programmable amplifiers



9040145 | CAD-704

## / Mont Blanc programmable digital amplifiers

CODE	TYPE	DESCRIPTION	PACK.
9040145	CAD-704	Mont Blanc, terrestrial only, 2xUHF/BIII + 2xUHF + 1xFM, 120 dB $\mu$ V	6
9040154	CAD-714	Mont Blanc, terrestrial + 1 SAT polarity, 2xUHF/BIII + 2xUHF + 1xFM + 1xSAT	-



9050126 | ZA-411



SERIE 905-ZA

## / Programmable ZA amplifiers

CODE	TYPE	DESCRIPTION	PACK.
9050126	ZA-411	Programmable double UHF filter, single-channel or multichannel filters	40
9050129	PA-320	Broadband amplifier, 3 inputs: UHF/VHF + BIII/DAB + FM, 117 dB $\mu$ V	40
9050116	ZF-712	IF amplifier, 45dB, 123 dB $\mu$ V	40
9050128	AS-326	Power supply for ZA-411, PA-320 and ZF-712	28

## / Programmable ZA amplifiers

CODE	TYPE	DESCRIPTION	PACK.
9050157	ZF-912	Headend with 2x ZA-411, 1x AS-326 and accessories	1
9050152	ZF-913	Headend with 3x ZA-411, 1x AS-326 and accessories	1
9050153	ZF-914	Headend with 4x ZA-411, 1x AS-326 and accessories	1
9050154	ZF-915	Headend with 5x ZA-411, 1x AS-326 and accessories	1
9050156	ZA-902	Headend with 2x ZA-411, 1x PA-320, 1x AS-326 and accessories	1
9050140	ZA-903	Headend with 3x ZA-411, 1x PA-320, 1x AS-326 and accessories	1
9050141	ZA-904	Headend with 4x ZA-411, 1x PA-320, 1x AS-326 and accessories	1
9050142	ZA-905	Headend with 5x ZA-411, 1x PA-320, 1x AS-326 and accessories	1
9050175	ZA-913	Headend with 3x ZA-411, 1x PA-320, 1x ZF-712, 1x AS-326 and accessories	1



New

# Single channel amplifiers



9050092 | ZP-431



9050106 | ZG-212



9050083 | AS-125

## / Single-channel / multichannel amplifiers

CODE	TYPE	DESCRIPTION	PACK.
9050092	ZP-431	Single-channel UHF amplifier, 40dB, 115 dB $\mu$ V *	40
9050022	ZG-431	Single-channel *	40
9050023	ZG-412	Two-channel *	40
9050024	ZG-413	Three-channel *	40
9050026	ZG-414	Four-channel *	40
9050035	ZG-211	FM amplifier, 52dB, 123 dB $\mu$ V	40
9050106	ZG-212	DAB amplifier, 50dB, 123 dB $\mu$ V	40
9050074	ZG-611	BI/BIII/interband amplifier, 52dB, 123 dB $\mu$ V	40
9050116	ZF-712	IF amplifier, 45dB, 123 dB $\mu$ V	40
9050083	AS-125	Power supply for ZG/ZP/ZF, 24Vdc / 1,7A	28

\* Indicate selected channel

# Accessories for single-channel / programmable amplifiers



9050100 | SP-126



9050124 | CP-126



9050043 | VE-500

## / Frames and cabinets

CODE	TYPE	DESCRIPTION	PACK.
9050099	SP-122	Frame for power supply and 4 modules	1
9050143	SP-123	Frame for power supply and 7 modules	1
9050100	SP-126	Frame for power supply and 12 modules	1
9050125	SP-128	Frame for power supply and 18 modules	1
9050124	CP-126	Cabinet for SP-126 frame (1 power supply and 12 modules)	1
9050043	VE-500	Fan for CP-126 cabinet	1
9050178	CP-900	Lock for CP-126 cabinet	1



9050102 | PZ-010

## / Bridge connectors, power cables and loads

CODE	TYPE	DESCRIPTION	PACK.
9050102	PZ-010	Fast F bridge connector	10
9050104	LT-107	10-line flat power cable, for up to 1 power supply and 18 modules	1
9080019	RC-110	75Ω isolated load, F connector	10



9120144 | PS-011



9120227 | IP-201

## / Programmers for ZA amplifiers

CODE	TYPE	DESCRIPTION	PACK.
9120144	PS-011	Wireless programmer for ZA modules and other headends	1
9120227	IP-201	Programming interface for computer use via USB, can also configure ZA modules via Bluetooth and Android app	1

# Amplifiers for multiswitches

## / Multiswitch amplifiers



9130168 | AU-621



9130042 | AU-640

CODE	TYPE	DESCRIPTION	PACK.
9130168	AU-621	4 polarities, 23 dB, 119 dBμV	9
9130041	AU-620	4 polarities, 43 dB, 119 dBμV	9
9130169	AU-641	8 polarities, 23 dB, 119 dBμV	9
9130042	AU-640	8 polarities, 43 dB, 119 dBμV	9
9130057	FU-513	Power supply for AU-6XX amplifiers, 7,5 Vdc/3840 mA	28
9130054	FU-612	Power supply to feed LNBS from AU-6XX amplifiers, 18 Vdc/2000 mA	28
D913001	AU-0630	8 polarities + terrestrial, 18dB	1
D913004	AU-0680	16 polarities + terrestrial, 30 dB	1

# DISTRIBUTION

## IN COAXIAL CABLE

### Coaxial cables



9080023 | MC-302

#### / Coaxial cables

CODE	TYPE	DESCRIPTION	PACK.
9100064	CE-140	ø6.8 mm, 18dB/100m 800 MHz, 100 m, black	100
9100063	CE-150	ø6.8 mm, 18dB/100m 800 MHz, 100 m, white	100
9100056	CE-743	ø7 mm, 17dB/100m 800 MHz, 100 m, black	100
9100021	CE-753	ø7 mm, 17dB/100m 800 MHz, 100 m, white	100
9100060	CE-860	ø7 mm, tri-shield, 18dB/100m 800 MHz, 100 m, white	100
9100058	CE-754	ø6.7 mm, 17dB/100m 800 MHz, 100 m, white	100
9100057	CL-201	ø10.1 mm, 11dB/100m 800 MHz, 250m	250
9100013	CE-170	RG6, Cu/Al/Al, 18 dB/100m 800 MHz, 100 m, white	100
9100019	CE-741	RG6, Cu/Al/Al, 16 dB/100m 800 MHz, 500 m, black	500
9100059	CE-755	ø7 mm, 16dB/100m 800 MHz, 500 m	500
9100061	CE-756	ø7 mm, 16dB/100m 800 MHz, 100 m	100
9100062	CE-757	ø6.7 mm, 17 dB/100m 800 MHz, 500m	500

# Connectors, tools and accessories for coaxial cable



9080023 | MC-302



9080014 | MC-104



9080012 | EP-111



9080019 | RC-110

## / F connectors, splicers and loads

CODE	TYPE	DESCRIPTION	PACK.
9120039	CM-004	F male connector to screw onto $\varnothing$ 6.5-6.8mm cable, shielded	100
9080023	MC-302	F male connector to screw onto $\varnothing$ 6.9-7.2mm cable	100
9080033	MC-202	F male connector to screw onto RG-11 cable (CL-201)	25
9080034	MC-102	Quick F male connector to screw onto $\varnothing$ 6.5-7.0mm cable	100
9080030	MC-304	F male compression connector for $\varnothing$ 6.9-7.2mm cable	100
9080015	MC-204	F male compression connector for RG-11 cable (CL-201)	50
9080014	MC-104	F male connector to crimp onto $\varnothing$ 7mm cable	50
9080012	EP-111	F-F female-female splicer, shielded	10
9080026	EP-311	F-F male-male splicer, shielded	100
9080027	EP-414	F female - IEC male splicer	10
9080019	RC-110	75 $\Omega$ isolated load, F connector	10
9120011	RS-275	75 $\Omega$ load, F connector	10



9080001 | HC-095



9080011 | RH-095



9080000 | MC-095



9080010 | RM-095

## / IEC connectors, splicers and loads

CODE	TYPE	DESCRIPTION	PACK.
9080001	HC-095	IEC female curved connector for $\varnothing$ 6.5-6.8mm cable, shielded	25
9080029	HC-000	IEC female curved connector for $\varnothing$ 6.5-7.2mm cable, shielded, zama	10
9080011	RH-095	IEC female straight connector for $\varnothing$ 6.5-6.8mm cable, shielded	25
9080000	MC-095	IEC male curved connector for $\varnothing$ 6.5-6.8mm cable, shielded	25
9080025	MC-000	IEC male curved connector for $\varnothing$ 6.5-7.2mm cable, shielded, zamak	10
9080010	RM-095	IEC male straight connector for $\varnothing$ 6.5-6.8mm cable, shielded	25
9080013	EP-212	IEC-IEC female-female splicer	10
9080020	EP-313	IEC-IEC male-male splicer	10
9050004	RM-075	75 $\Omega$ load, IEC connector	10



## / Tools and accessories for coaxial cable

CODE	TYPE	DESCRIPTION	PACK.
9080017	HE-000	Stripping tool for ø6.5-7.1mm cable	1
9080028	HE-002	Cylindrical stripping tool for ø6.5-7.1mm cable	1
9080021	HE-001	Stripping tool for RG-11 cable (CL-201)	1
9080018	HE-100	Mounting tool for F male connectors	1
9080022	HE-201	Compression tool for MC-204 and MC-304 connectors	1
9080016	HE-200	Crimping tool for MC-104 connectors	1
9080004	EM-101	Splicer to keep together two sections of coaxial cable	25
9100050	GC-007	Cable wall support with nail for ø6.7mm cable	100
9120027	LF-001	F connector wrench tool	3



9080017 | HE-000

## Splitters and taps



9060036 | FI-243



9060101 | DI-803



9060099 | DI-403

## / Splitters

CODE	TYPE	DESCRIPTION	PACK.
9060036	FI-243	2 outputs, F connectors	6
9060055	FI-244	2 outputs, F connectors, DC path from output to input	6
9060078	FI-374	3 outputs, F connectors, DC path from output to input	6
9060037	FI-473	4 outputs, F connectors	6
9060056	FI-474	4 outputs, F connectors, DC path from output to input	6
9060079	FI-594	5 outputs, F connectors, DC path from output to input	6
9060097	DI-203	2 outputs, F connectors, DC path from output to input	12
9060098	DI-303	3 outputs, F connectors, DC path from output to input	12
9060099	DI-403	4 outputs, F connectors, DC path from output to input	12
9060100	DI-603	6 outputs, F connectors, DC path from output to input	12
9060101	DI-803	8 outputs, F connectors, DC path from output to input	12
9130059	DI-213	2 outputs, F connectors, paso de corriente de entrada a salida, for multiswitches	6
9130060	DI-413	4 outputs, F connectors, paso de corriente de entrada a salida, for multiswitches	6
9090016	DV-102	2 outputs, female IEC input and male IEC outputs	1
9130062	DU-240	Frame equipped with 9x DI-213, for multiswitches	1

## / Multiplexers

CODE	TYPE	DESCRIPTION	PACK.
9020015	<b>ME-214</b>	2 inputs TV-SAT, 1 output TV+SAT	6
9020019	<b>ME-213</b>	3 inputs TV-SAT1-SAT2, 2 outputs TV+SAT1-TV+SAT2	6
9090017	<b>MD-104</b>	2 female IEC inputs, 1 male IEC output	1

9060031 | **FP-211**9060046 | **FP-414**9060068 | **DE-401**

## / 5-2400 MHz, F connector

### FLAT TAPS

CODE	TYPE	DESCRIPTION	PACK.
9060031	<b>FP-211</b>	2 outputs @11dB	6
9060032	<b>FP-217</b>	2 outputs @17dB	6
9060043	<b>FP-223</b>	2 outputs @23dB	6
9060044	<b>FP-226</b>	2 outputs @26dB	6
9060046	<b>FP-414</b>	4 outputs @14dB	6
9060047	<b>FP-420</b>	4 outputs @20dB	6
9060048	<b>FP-426</b>	4 outputs @26dB	6
9060063	<b>DE-201</b>	2 outputs @13.5dB	1
9060064	<b>DE-203</b>	2 outputs @16.5dB	1
9060065	<b>DE-205</b>	2 outputs @22dB	12
9060066	<b>DE-207</b>	2 outputs @27dB	12
9060068	<b>DE-401</b>	4 outputs @15dB	1
9060069	<b>DE-403</b>	4 outputs @17.5dB	12
9060070	<b>DE-405</b>	4 outputs @22.5dB	12
9060071	<b>DE-407</b>	4 outputs @28.5dB	12
9060073	<b>DE-603</b>	6 outputs @21dB	12
9060074	<b>DE-605</b>	6 outputs @24.5dB	12
9060075	<b>DE-607</b>	6 outputs @27.5dB	12

### EQUALIZED TAPS

CODE	TYPE	DESCRIPTION	PACK.
9060053	<b>FD-210</b>	2 outputs, 13dB @862 MHz and 8.5dB @2150 MHz	6
9060033	<b>FD-213</b>	2 outputs, 17.5dB @862 MHz and 12dB @2150 MHz	6
9060034	<b>FD-219</b>	2 outputs, 24dB @862 MHz and 17.5dB @2150 MHz	6
9060035	<b>FD-225</b>	2 outputs, 30dB @862 MHz and 26dB @2150 MHz	6
9060054	<b>FD-410</b>	4 outputs, 15dB @862 MHz and 10dB @2150 MHz	6
9060038	<b>FD-413</b>	4 outputs, 18.5dB @862 MHz and 13.5dB @2150 MHz	6
9060039	<b>FD-419</b>	4 outputs, 24dB @862 MHz and 18.5dB @2150 MHz	6
9060040	<b>FD-425</b>	4 outputs, 30dB @862 MHz and 25.5dB @2150 MHz	6

9130167 | **DU-900**

## / Accessories

CODE	TYPE	DESCRIPTION	PACK.
9060026	<b>SD-003</b>	Outdoor plastic cover for FD/FP/FI taps and splitters	4
9060060	<b>SD-100</b>	Mast outdoor plastic cover for FD/FP/FI taps and splitters	1
9130167	<b>DU-900</b>	Frame for 9 splitters or taps, for multiswitches	1
9120011	<b>RS-275</b>	75Ω load, F connector	10

# TV / SAT outlets



9070124 | PT-420



9070126 | PT-620

/ User access points, 5-2400 MHz (2-input splitters, one input connected to a 75 Ω load)

CODE	TYPE	DESCRIPTION	PACK.
9070079	PT-100	1 output	6
9070101	PT-210	2 outputs	12
9070122	PT-220	2 outputs	12
9070102	PT-310	3 outputs	12
9070123	PT-320	3 outputs	12
9070083	PT-401	4 outputs	6
9070124	PT-420	4 outputs	12
9070125	PT-520	5 outputs	12
9070126	PT-620	6 outputs	12
9070085	PT-800	8 outputs	12
9070127	PT-820	8 outputs	12



9070062 | BS-100



9070087 | BS-101



9070086 | BS-102

## / Outlets

TV/SAT, 5-2400 MHz

CODE	TYPE	DESCRIPTION	PACK.
9070062	BS-100	Final, 2 connectors: male IEC + female F, 1dB	24
9070087	BS-101	BS-100 outlet with EM-202 cover plate	1
9070073	BS-112	Final, 2 connectors: male IEC + female IEC, 1dB	24
9070105	BS-113	Final, 2 connectors: male IEC + female IEC, 1dB, without clamps	90
9070068	BS-110	Final, 2 connectors: male IEC + female IEC, 5dB	24
9070086	BS-102	Final, 3 connectors: male IEC + female IEC + female F, with TV/R/SAT cover plate	1
9070070	BS-210	Intermediate, 2 connectors: male IEC + female IEC, 12dB	24
9070071	BS-510	Intermediate, 2 connectors: male IEC + female IEC, 15dB	24

## CASCADABLE TV/SAT, 5-2400 MHZ

CODE	TYPE	DESCRIPTION	PACK.
9070004	<b>BS-220</b>	Final, 11.5dB	24
9070005	<b>BS-420</b>	Intermediate, levels 2 to 6, 17.5dB	24
9070006	<b>BS-620</b>	Intermediate, levels 7 to 10, 22.5dB	24
9070008	<b>BS-820</b>	Intermediate, levels 11 to 14, 35dB	24

## CATV, UP TO 1000 MHZ

CODE	TYPE	DESCRIPTION	PACK.
9070043	<b>BC-100</b>	Final, 1,0dB	24
9070046	<b>BC-110</b>	Final, 5.5dB	24
9070044	<b>BC-200</b>	Intermediate, 10dB	24
9070045	<b>BC-500</b>	Intermediate, 15dB	24

## TV, UP TO 862 MHZ

CODE	TYPE	DESCRIPTION	PACK.
9070039	<b>BM-111</b>	Final, UHF 0.5dB, VHF 1.5dB	24
9070037	<b>BM-100</b>	Final, UHF 3,0dB, VHF 4,0dB	24
9070038	<b>BM-101</b>	Final, UHF 5.5dB, VHF 6,0dB	24
9070040	<b>BM-200</b>	Intermediate, UHF 8dB, VHF 8dB	24
9070041	<b>BM-500</b>	Intermediate, UHF 10.5dB, VHF 11dB	24
9070042	<b>BM-700</b>	Intermediate, UHF 15.5dB, VHF 16dB	24

9070021 | **EM-201**9070075 | **SB-003**

## / Cover plates and accessories

CODE	TYPE	DESCRIPTION	PACK.
9070021	<b>EM-201</b>	TV-R/TV-R cover plate for BS outlets (except BS-100 and BS-112)	24
9070025	<b>EM-211</b>	Custom TV-R/TV-R cover plate for BS outlets (except BS-100 and BS-112)	72
9070022	<b>EM-202</b>	TV-R/TV-R cover plate for BS-100 and BS-112 outlets	24
9070027	<b>EM-212</b>	Custom TV-R/TV-R cover plate for BS-100 and BS-112 outlets	72
9070020	<b>EM-200</b>	TV/R cover plate for BM and BC outlets	24
9070024	<b>EM-210</b>	Custom TV/R cover plate for BM and BC outlets	72
9060050	<b>RF-075</b>	Final 75Ω load for cascable outlets	50
9070075	<b>SB-003</b>	Accessory for mounting outlets on a surface	24

# Rejection filters, preamps and attenuators



9090046 | **RB-900**

## / Rejection filters

CODE	TYPE	DESCRIPTION	PACK.
9090042	<b>RB-619</b>	LTE800 rejection filter, bandpass up to C60 (790 MHz), 60dB	8
9090047	<b>RB-529</b>	LTE800 rejection filter, bandpass up to C59 (782 MHz), 30dB	8
9090050	<b>RB-719</b>	LTE800 rejection filter, bandpass up to C59 (782 MHz), 60dB	8
9090102	<b>RB-519</b>	LTE800 rejection filter, bandpass up to C58 (774 MHz), 60dB	8
9090046	<b>RB-900</b>	LTE700 rejection filter, bandpass up to C48 (694 MHz), 60dB	8
9090026	<b>FR-423</b>	Rejection filter for 1 UHF channel, 18dB	1



9090029 | **PR-310**



9090033 | **AV-315**

## / Preamplifiers and attenuators, F connectors

CODE	TYPE	DESCRIPTION	PACK.
9090028	<b>PR-200</b>	Preamplifier, UHF 14 dB, 24 Vdc remote feed	1
9090044	<b>PR-201</b>	Preamplifier, UHF 14 dB, 24 Vdc remote feed via faston	1
9090029	<b>PR-310</b>	Preamplifier, TV-SAT 10dB, 13/18 Vdc remote feed	1
9090031	<b>AV-305</b>	Variable attenuator TV-SAT 18dB	1
9090033	<b>AV-315</b>	Variable attenuator TV-SAT 18dB with DC path	1



# MU multiswitches

/ with return path

## FINAL MULTISWITCHES

CODE	TYPE	DESCRIPTION	PACK.
9130013	<b>MU-110</b>	4 polarities + terrestrial, 4 outputs	1
9130014	<b>MU-310</b>	4 polarities + terrestrial, 8 outputs	1
9130015	<b>MU-610</b>	4 polarities + terrestrial, 16 outputs	1
9130016	<b>MU-130</b>	8 polarities + terrestrial, 4 outputs	1
9130017	<b>MU-330</b>	8 polarities + terrestrial, 8 outputs	1
9130018	<b>MU-630</b>	8 polarities + terrestrial, 16 outputs	1

## CASCADABLE MULTISWITCHES

CODE	TYPE	DESCRIPTION	PACK.
9130033	<b>MU-320</b>	4 polarities + terrestrial, 8 outputs	1
9130020	<b>MU-321</b>	4 polarities + terrestrial, 8 outputs, active	1
9130034	<b>MU-620</b>	4 polarities + terrestrial, 16 outputs	1
9130021	<b>MU-621</b>	4 polarities + terrestrial, 16 outputs, active	1
9130036	<b>MU-340</b>	8 polarities + terrestrial, 8 outputs	1
9130023	<b>MU-341</b>	8 polarities + terrestrial, 8 outputs, active	1
9130037	<b>MU-640</b>	8 polarities + terrestrial, 16 outputs	1
9130024	<b>MU-641</b>	8 polarities + terrestrial, 16 outputs, active	1



9130050 | **CN-611**



9090038 | **BL-300**

/ Amplifiers, power supplies and accessories

CODE	TYPE	DESCRIPTION	PACK.
9130168	<b>AU-621</b>	Amplifier, 4 polarities, 23 dB, 119 dB $\mu$ V	9
9130041	<b>AU-620</b>	Amplifier, 4 polarities, 43 dB, 119 dB $\mu$ V	9
9130169	<b>AU-641</b>	Amplifier, 8 polarities, 23 dB, 119 dB $\mu$ V	9
9130042	<b>AU-640</b>	Amplifier, 8 polarities, 43 dB, 119 dB $\mu$ V	9
9130057	<b>FU-513</b>	Power supply for AU-6XX amplifiers or MU-xxx active multiswitches, 7,5 Vdc/3840 mA	28
9130054	<b>FU-612</b>	Power supply to feed LNBs, 18 Vdc/2000 mA	28
9130050	<b>CN-611</b>	DiSEqC switch for 16 polarities	36
9080019	<b>RC-110</b>	75 $\Omega$ isolated load, F connector	10
9090038	<b>BL-300</b>	Current blocker (5-2400 MHz)	1
9130059	<b>DI-213</b>	2-way splitter, DC path from input to outputs	6
9130060	<b>DI-413</b>	4-way splitter, DC path from input to outputs	6
9130062	<b>DU-240</b>	Frame equipped with 9x DI-213, for multiswitches	1
9130167	<b>DU-900</b>	Frame for 9 splitters or taps, for multiswitches	1
9090033	<b>AV-315</b>	Variable attenuator TV-SAT 18dB with DC path	1
9090029	<b>PR-310</b>	Preamplifier, TV-SAT 10dB, 13/18 Vdc remote feed	1

# MB / ML multiswitches



9130096 | ML-204

/ Cascadable multiswitches, active terrestrial

		INPUTS							
		5		9		13		17	
		CODE	TYPE	CODE	TYPE	CODE	TYPE	CODE	TYPE
OUTPUTS	8	9130149	ML-102	9130094	ML-202	9130114	ML-302	9130134	ML-402
	12	9130150	ML-103	9130095	ML-203	9130115	ML-303	9130135	ML-403
	16	9130151	ML-104	9130096	ML-204	9130116	ML-304	9130136	ML-404
	20	9130152	ML-105	9130097	ML-205	9130117	ML-305	9130137	ML-405
	24	9130153	ML-106	9130098	ML-206	9130118	ML-306	9130138	ML-406
	32	9130159	ML-108	9130171	ML-208	9130173	ML-308	9130175	ML-408



9130188 | MB-112

/ Final multiswitches, active terrestrial

		INPUTS							
		5		9		13		17	
		CODE	TYPE	CODE	TYPE	CODE	TYPE	CODE	TYPE
OUTPUTS	8	9130188	MB-112	9130069	MB-202	9130079	MB-302	9130089	MB-402
	12	9130189	MB-113	9130070	MB-203	9130080	MB-303	9130090	MB-403
	16	9130190	MB-114	9130071	MB-204	9130081	MB-304	9130091	MB-404
	20	9130191	MB-115	9130072	MB-205	9130082	MB-305	9130092	MB-405
	24	9130192	MB-116	9130073	MB-206	9130083	MB-306	9130093	MB-406
	32	9130193	MB-118	9130170	MB-208	9130172	MB-308	9130174	MB-408



9130096 | ML-204



9080019 | RC-110

## / Amplifiers, power supplies and accessories

CODE	TYPE	DESCRIPTION	PACK.
D913001	<b>AU-0630</b>	Amplifier, 8 polarities + terrestrial, 18dB	1
D913004	<b>AU-0680</b>	Amplifier, 16 polarities + terrestrial, 30dB	1
9130163	<b>FU-304</b>	Spare power supply for 4/8-polarity MB multiswitches	1
9130161	<b>FU-704</b>	Spare power supply for 12/16-polarity MB multiswitches	1
9080019	<b>RC-110</b>	75Ω isolated load, F connector	10
9090038	<b>BL-300</b>	Current blocker (5-2400 MHz)	1
9090033	<b>AV-315</b>	Variable attenuator TV-SAT 18dB with DC path	1
9090029	<b>PR-310</b>	Preamplifier, TV-SAT 10dB, 13/18 Vdc remote feed	1

## Field meters



9180008 | FSM-640

## / Field meters

CODE	TYPE	DESCRIPTION	PACK.
9180011	<b>FSM-620</b>	Field strength meter for DVB-T/T2/C/S/S2, 7" touchscreen	1
9180008	<b>FSM-640</b>	Field strength meter for DVB-T/T2/C/S/S2, 10" touchscreen	1

# DISTRIBUTION

## IN OTHER MEDIA

### SMATV distribution in optical fiber



9160000 | OT-402

#### / TV-SAT distribution in fiber optics

CODE	TYPE	DESCRIPTION	PACK.
9160000	<b>OT-402</b>	TV-SAT optical transmitter	1
9160048	<b>OT-412</b>	TV-SAT optical transmitter with LNB feed	1
9120245	<b>FA-410</b>	50W power supply for OT-4x2 optical transmitters	1
9120168	<b>FA-312</b>	65W power supply for OT-4x2 optical transmitters	1
9120234	<b>SP-243</b>	Frame for 1 power supply and 6 modules	1
9160001	<b>OR-417</b>	TV-SAT optical receiver	1
9160077	<b>OAT-306</b>	Optical attenuator, 6dB, SC/APC connectors	1
9160078	<b>OS-302</b>	2-way optical splitter, SC/APC	1
9160079	<b>OS-304</b>	4-way optical splitter, SC/APC	1
9160080	<b>OS-308</b>	8-way optical splitter, SC/APC	1

#### / SAT distribution in fiber optic with optical LNB

CODE	TYPE	DESCRIPTION	PACK.
9160031	<b>OLN-603</b>	Optical LNB, Ku band, 4 polarities in 1 single-mode fiber, 7 dBm, FC/PC connector	1
9160032	<b>OR-511</b>	TV-SAT optical receiver for OLN-603 optical LNB, 4 polarities + terrestrial	1
9160037	<b>PSU-010</b>	Power supply for OLN-604 optical LNB or OR-511 receiver, 20Vdc/1.2A	1
9160042	<b>OAT-105</b>	Optical attenuator, 5dB, FC/PC connectors	1
9160043	<b>OPC-203</b>	Single mode fiber patchcord, 3m	1
9160044	<b>OPC-204</b>	Single mode fiber patchcord, 15m	1
9160045	<b>OPC-205</b>	Single mode fiber patchcord, 25m	1
9160046	<b>OPC-206</b>	Single mode fiber patchcord, 45m	1
9160033	<b>OS-122</b>	2-way optical splitter, FC/PC	1
9160034	<b>OS-123</b>	3-way optical splitter, FC/PC	1
9160035	<b>OS-124</b>	4-way optical splitter, FC/PC	1
9160036	<b>OS-128</b>	8-way optical splitter, FC/PC	1

# Distribution in fiber optics



9160050 | ODP-348



9160054 | OWB-308



9160049 | OWB-348

## / Distribution cabinets and patch panels

CODE	TYPE	DESCRIPTION	PACK.
9160049	<b>OWB-348</b>	Optical distribution cabinet for up to 48 simplex SC/APC connectors (not included), stackable	-
9160050	<b>ODP-348</b>	Optical patch panel, 24 duplex SC/APC connectors (included), 19"	-
9160051	<b>ODP-312</b>	Optical patch panel, 12 simplex SC/APC connectors (included), 19"	-
9300057	<b>RWS-003</b>	Wall support for 19" rack, 3U, galvanized steel	1
9160053	<b>OAD-301</b>	Simplex SC/APC adaptor for OWB-348 distribution cabinet	-
9160054	<b>OWB-308</b>	Optical distribution box for 8 simplex SC/APC connectors	-



9160057 | FOC-368

## / Cables and pigtails

CODE	TYPE	DESCRIPTION	PACK.
9160055	<b>FOC-302</b>	Indoor drop cable, 2xFO	1000
9160056	<b>FOC-364</b>	Indoor distribution cable, 24xFO (6x4)	100
9160057	<b>FOC-368</b>	Indoor distribution cable, 48xFO (6x8)	100
9160058	<b>OPT-301</b>	Pigtail, simplex SC/APC connector, 1 meter	-





9160059 | OTB-300



9160060 | OTB-310

## / Termination boxes

CODE	TYPE	DESCRIPTION	PACK.
9160059	OTB-300	Fiber optics termination box, 2 simplex SC/APC connectors, includes 2 pigtails	-
9160060	OTB-310	Fiber optics termination box preconnectorized with a 10-meter, 2-fiber, SC/APC pigtail	-
9160061	OTB-315	Fiber optics termination box preconnectorized with a 15-meter, 2-fiber, SC/APC pigtail	-
9160062	OTB-320	Fiber optics termination box preconnectorized with a 20-meter, 2-fiber, SC/APC pigtail	-
9160063	OTB-325	Fiber optics termination box preconnectorized with a 25-meter, 2-fiber, SC/APC pigtail	-
9160064	OTB-330	Fiber optics termination box preconnectorized with a 30-meter, 2-fiber, SC/APC pigtail	-
9160065	OTB-335	Fiber optics termination box preconnectorized with a 35-meter, 2-fiber, SC/APC pigtail	-
9160066	OTB-340	Fiber optics termination box preconnectorized with a 40-meter, 2-fiber, SC/APC pigtail	-
9160067	OTB-410	Fiber optics termination box preconnectorized with a 10-meter, 2-fiber, SC/APC patchcord	-
9160068	OTB-415	Fiber optics termination box preconnectorized with a 15-meter, 2-fiber, SC/APC patchcord	-
9160069	OTB-420	Fiber optics termination box preconnectorized with a 20-meter, 2-fiber, SC/APC patchcord	-
9160070	OTB-425	Fiber optics termination box preconnectorized with a 25-meter, 2-fiber, SC/APC patchcord	-
9160071	OTB-430	Fiber optics termination box preconnectorized with a 30-meter, 2-fiber, SC/APC patchcord	-
9160072	OTB-435	Fiber optics termination box preconnectorized with a 35-meter, 2-fiber, SC/APC patchcord	-
9160073	OTB-440	Fiber optics termination box preconnectorized with a 40-meter, 2-fiber, SC/APC patchcord	-

## / Accesories and tools

CODE	TYPE	DESCRIPTION	PACK.
9160074	OFS-345	Fiber optic fusion splice thermoretractable protector sleeve, 45 mm	-
9160075	OFS-360	Fiber optic fusion splice thermoretractable protector sleeve, 60 mm	-
9160076	OCN-300	Self-installable SC/APC connector, 900 µm	-
9180013	OEQ-102	Fusion splicing kit, including fusion splicer, spare battery and electrodes, cleaver, stripper and transport bag	1
9180014	OEQ-003	Optical power meter Kit including selective optical power meter for FFTH, Triple Laser source for 1310/1490/1550 nm and Visual Fault Locator	1
9180015	OEQ-201	Fiber optics cleaning pen, 2.5mm	1
9180016	OEQ-202	Fiber optic peeler for 125, 250 or 900 µm simplex cables	1
9180017	OEQ-203	Fiber optic precision cleaver	1



9180013 | OEQ-102

# CAT6 distribution

## / Patch panels

CODE	TYPE	DESCRIPTION	PACK.
9300056	<b>TDP-102</b>	Patch panel, 24 female RJ45 connectors (included), 19"	1
9300069	<b>TDP-001</b>	Patch panel, 16 Keystone ports, 19"	1
9300057	<b>RWS-003</b>	Wall support for 19" rack, 3U, galvanized steel	1

## / Cables, pigtails and connectors

CODE	TYPE	DESCRIPTION	PACK.
9300065	<b>TCA-100</b>	CAT6 UTP cable, LSZH	305
9300059	<b>TPC-101</b>	CAT6 UTP patchcord with RJ45 connectors, 1 meter	1
9300060	<b>TPC-103</b>	CAT6 UTP patchcord with RJ45 connectors, 3 meters	1
9300073	<b>TCN-111</b>	CAT6 female RJ45 connector	1
9300061	<b>TCN-100</b>	CAT6 male RJ45 connector	1

## / Termination boxes, passive splitters and outlets

CODE	TYPE	DESCRIPTION	PACK.
9300058	<b>TTB-101</b>	Termination box with 1 female RJ45 connector	1
9300068	<b>TPS-006</b>	Passive splitter with 6 RJ45 outputs	1
9300072	<b>TPS-008</b>	Passive splitter with 8 RJ45 outputs	1
9300063	<b>TOU-101</b>	Flush-mounted outlet with 1 female RJ45 CAT6 connector, white	6
9300064	<b>TOU-102</b>	Flush-mounted outlet with 2 female RJ45 CAT6 connectors, white	6

## / Tools

CODE	TYPE	DESCRIPTION	PACK.
9180000	<b>TME-000</b>	RJ45 port tester	1
9180001	<b>TME-100</b>	CAT6/6A network certifier	1
9300066	<b>HT-100</b>	Crimping tool for RJ11/RJ45 connectors	1
9300067	<b>HT-001</b>	Impact punch down and cutting tool for connectors type 110/88	1

# Telephony distribution

## / Disconnection modules

CODE	TYPE	DESCRIPTION	PACK.
9300000	<b>RE-000</b>	Disconnection module for 10 pairs	10
9300001	<b>RE-500</b>	Disconnection module for 5 pairs	15
9300002	<b>RE-510</b>	Disconnection module for 5 pairs, includes frame	20
9300010	<b>TR-000</b>	Label holder for RE-000 disconnection module	1
9300011	<b>TR-500</b>	Label holder for RE-500 disconnection module	50
9300012	<b>TR-501</b>	Label holder for RE-510 disconnection module	50
9300020	<b>SO-000</b>	Back mount frame for 10x RE-000 disconnection modules	2
9300021	<b>SO-511</b>	Back mount frame for one RE-000 disconnection module	1
9300024	<b>SO-011</b>	Back mount frame for one RE-500 disconnection module	20

## / Cables

CODE	TYPE	DESCRIPTION	PACK.
9300030	<b>CJ-000</b>	Test cord	1
9300031	<b>CJ-010</b>	Disconnection plug	1
9300040	<b>HT-000</b>	Insertion tool	1
9300050	<b>TC-100</b>	1-pair cable	250
9300051	<b>TC-200</b>	2-pair cable	250

# SIGNAL PROCESSING

## DTT receivers



9050180 | RT-104

### / DTT receivers

CODE	TYPE	DESCRIPTION	PACK.
9050180	RT-104	HD DVB-T/T2 set-top box, HEVC compatible	1

## Standalone modulators



9510072 | DMH-142



9510065 | MD-410

### / Standalone modulators

CODE	TYPE	DESCRIPTION	PACK.
9510072	DMH-142	HDMI to DVB-T modulator	1
9510064	MD-310	Analogue modulator, A/V to BIII, multinorm	1
9510065	MD-410	Analogue modulator, A/V to UHF, multinorm	1
9510067	MD-531	Analogue modulator, A/V to 47-862 MHz, BG norm	1

# himalaya

## New Range of Professional Headends



### VERSATILITY

All himalaya modules are compatible with DVB-S/S2 and DVB-T/T2 inputs and with DVB-T or DVB-C outputs.



### COMFORT





himalaya modules can be configured via wifi from a smartphone, tablet or computer thanks to their new, responsive web interface, without installing any software.



### COST SAVINGS

Thanks to remote configuration and redundant power supplies, maintenance trips are kept to a minimum.

## / himalaya headends





CODE	TYPE	DESCRIPTION	PACK.
 9120251	<b>TM-101</b>	1xDVB-S/S2/T/T2 to 1xDVB-T/C transmodulator	1
 9120252	<b>TM-111</b>	1xDVB-S/S2/T/T2 to 1xDVB-T/C transmodulator, with Common Interface	1
 9120254	<b>TM-102</b>	2xDVB-S/S2/T/T2 to 1xDVB-T/C transmodulator	1
 9120253	<b>TM-112</b>	2xDVB-S/S2/T/T2 to 1xDVB-T/C transmodulator, with Common Interface	1



# WE REACH THE SUMMIT TO OFFER YOU THE BEST SIGNAL



## / Accessories

CODE	TYPE	DESCRIPTION	PACK.
 9120256	<b>PA-740</b>	Broadband amplifier, 120 dB $\mu$ V	1
 9120255	<b>FA-512</b>	Power supply, 96W	1
9120233	<b>SP-244</b>	Frame for 1 power supply and 9 TM/PA modules	1
 9120257	<b>SP-245</b>	Frame for 2 power supplies and 8 TM/PA modules	1
 9120258	<b>WF-100</b>	USB Wi-Fi dongle that adds wireless configuration capabilities to himalaya headends	1

 New

# Modulators and transmodulators for professional headends



9120145 | TT-201



9120201 | TT-411

## / DVB-S/S2 to DVB-T (COFDM) transmodulators

CODE	TYPE	DESCRIPTION	PACK.
9120145	TT-201	1 input connector, 1 tuner, 1 output channel	1
9120147	TT-211	1 input connector, 1 tuner, 1 output channel, 1 CI slot	1
9120189	TT-311	1 input connector, 1 tuner, 1 output channel, DiSEqC compatible	1
9120213	TT-312	1 input connector, 1 tuner, 2 output channels, DiSEqC compatible, 1 CI slot	1
9120200	TT-401	2 input connector, 2 tuners, 1 output channel, DiSEqC compatible	1
9120201	TT-411	2 input connector, 2 tuners, 1 output channel, DiSEqC compatible, 1 CI slot	1



9120217 | TQ-542

## / DVB-S/S2 to DVB-C (QAM) transmodulators

CODE	TYPE	DESCRIPTION	PACK.
9120150	TQ-532	1 input connector, 1 tuner, 1 output channel	1
9120191	TQ-533	1 input connector, 1 tuner, 1 output channel, 1 CI slot	1
9120242	TQ-552	1 input connector, 1 tuner, 2 output channels, DiSEqC compatible	1
9120217	TQ-542	2 input connector, 2 tuners, 1 output channel, DiSEqC compatible	1
9120218	TQ-543	2 input connector, 2 tuners, 1 output channel, DiSEqC compatible, 1 CI slot	1

## / Channel processors

CODE	TYPE	DESCRIPTION	PACK.
9050174	PC-526	UHF and VHF channel processor, 8 MHz	1
9050176	PC-527	UHF and VHF channel processor, 6 MHz	1

## / Modulators

### HDMI

CODE	TYPE	DESCRIPTION	PACK.
9120246	<b>DMH-401</b>	1 HDMI input, 1 DVB-T/T2 output channel (COFDM)	1
9120225	<b>DMH-301</b>	1 HDMI input, 1 DVB-C output channel (QAM)	1

### DIGITAL A/V

CODE	TYPE	DESCRIPTION	PACK.
9120194	<b>DM-102</b>	2 A/V inputs, 1 DVB-T output channel (COFDM)	1
9120210	<b>DM-302</b>	2 A/V inputs, 1 DVB-C output channel (QAM)	1

### ANALOGUE A/V

CODE	TYPE	DESCRIPTION	PACK.
9120239	<b>MS-569</b>	1 A/V input, 1 analogue output, multinorm (mono)	1
9120238	<b>MS-571</b>	1 A/V input, 1 analogue output, BG norm (estéreo)	1
9120109	<b>MS-543</b>	1 A/V input, 1 analogue output, I norm (mono)	1
9120240	<b>MS-565</b>	1 A/V input, 1 analogue output, M/N norm (mono)	1

## / Power supplies and accessories

CODE	TYPE	DESCRIPTION	PACK.
9120245	<b>FA-410</b>	50W power supply (230/240 Vac)	1
9120249	<b>FA-411</b>	50W power supply (110 Vac)	1
9120168	<b>FA-312</b>	65W power supply (230/240 Vac)	1
9120105	<b>LS-207</b>	Spare flat power cable for FA-410/FA-411 power supplies	1
9120173	<b>LS-217</b>	Spare flat power cable for FA-312 power supply	1
9120124	<b>LA-102</b>	Voltage adaptor to power ZF-712 modules from FA-312/410/411 power supplies	1
9120219	<b>LA-104</b>	Voltage adaptor to power PS-011 configurators from FA-312/410/411 power supplies	1
9120199	<b>LA-103</b>	Bus extender: LS-207/217 power cables to 2xRJ-45	1

## / Amplifiers and active multiplexer

CODE	TYPE	DESCRIPTION	PACK.
9120244	<b>PA-721</b>	Broadband amplifier, 120 dB $\mu$ V, 44 dB	1
9120212	<b>AMU-600</b>	Active multiplexer, 6 inputs, 103 dB $\mu$ V, 7dB gain	1
9120126	<b>CB-400</b>	10 inputs amplifier and multiplexer, 118 dB $\mu$ V, 29 dB gain	1



9120244 | PA-721

## / Optical transmitters and receivers

CODE	TYPE	DESCRIPTION	PACK.
9160000	<b>OT-402</b>	TV-SAT optical transmitter	1
9160048	<b>OT-412</b>	TV-SAT optical transmitter with LNB feed	-
9160001	<b>OR-417</b>	TV-SAT optical receiver	1

## / Frames, cabinets and fans

CODE	TYPE	DESCRIPTION	PACK.
9120234	<b>SP-243</b>	Frame for 1 power supply and 6 TT/TQ/PA modules	1
9120233	<b>SP-244</b>	Frame for 1 power supply and 9 TT/TQ/PA modules	1
9120130	<b>SP-226</b>	Frame for 1 power supply and 11 DMH/DM/MS/PA modules	1
9120131	<b>CP-226</b>	Cabinet for SP-244/SP-226 frames	1
9120132	<b>CP-426</b>	Double cabinet for SP-244/SP-226 frames	1
9050043	<b>VE-500</b>	Fan for CP-226/CP426 cabinets	1
9120237	<b>SP-743</b>	Frame for 1 power supply and 7 TT/TQ/PA modules in 19" racks	1
9120136	<b>SP-725</b>	Frame for 1 power supply and 11 DMH/DM/MS/PA modules in 19" racks	1



9120232 | **PU-102**



9120144 | **PS-011**



9120227 | **IP-201**

## / Programmers, multiplexing bridges and cables

CODE	TYPE	DESCRIPTION	PACK.
9120232	<b>PU-102</b>	Multiplexing bridge for TT/TQ/PA headends	12
9120064	<b>PU-101</b>	Multiplexing bridge for DMH/DM/MS/PA headends	12
9120144	<b>PS-011</b>	Wireless programmer with TFT screen	1
9120227	<b>IP-201</b>	Programming interface for computers, connection via USB	1
9120079	<b>CD-011</b>	MiniDIN to mono RCA cable	1
9120094	<b>CD-113</b>	MiniDIN to stereo RCA cable	1





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# APPENDIX

## Lists of products

/ List by code

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<b>900</b>	9000005	FM-200	64	8
	9000039	BU-289	80	8
	9000040	FM-102	2/128	8
	9000042	BU-269	76	8
	9000043	BU-569	27	8
	9000046	BU-119	144	8
	9000047	BU-547	27	6
	9000063	BT-751	90	8
	9000065	GA-269	10	8
	9000071	BT-151	2/180	8
	9000077	BU-115	216	8
	9000080	GA-751	12	8
	9000082	BU-266	76	7
	9000083	BU-456	52	7
	9000084	BU-116	144	7
	9000085	MX-046	36	7
	9000086	GA-266	10	7
	9000087	GA-456	12	7
	9000088	MX-076	27	7
	9000089	BU-566	27	7
	9000090	GA-566	8	7
	9000091	AP-368	48	7
	9000092	MX-048	38	7
	9000093	BU-458	52	7
<b>901</b>	9000100	GA-458	12	7
	9000101	BU-268	76	7
	9000102	GA-268	10	7
	9000103	BU-288	76	7
	9000104	BU-118	144	7
	9000105	BU-267	76	6
	9000107	NEO-046	40	7
	9000108	NEO-048	40	7
	9000109	MX-047	38	6
	9000110	BU-117	144	6
	9000111	BU-457	52	6
	9000112	GA-457	12	6
	9000113	NEO-148	40	7
	9000185	NEO-085	30	8
	9000186	NEO-086	30	7
	9000187	NEO-087	26	6
	9000188	NEO-088	30	7

	CODE	TYPE	PACK.	PAGE
	9000189	NEO-047	33	6
	9000195	NEO-095	20	8
	9000196	NEO-096	20	7
	9000197	AP-367	48	6
	9000198	GAN-267	10	6
	9000199	GA-047	10	6
	9010008	BR-401	100	12
	9010009	BR-411	100	12
	9010013	BR-421	100	12
	9010014	BR-431	100	12
	9010018	BR-407	100	12
<b>902</b>	9020015	ME-214	6	27
	9020016	FR-413	24	12
	9020017	MM-303	24	12
	9020019	ME-213	6	27
	9020040	MM-207	24	12
	9020041	MM-200	24	12
	9020042	MM-307	24	12
	9020045	MM-214	24	12
	9020047	FR-015	24	12
	9020048	FR-619	24	12
	9020050	FR-519	24	12
	9020051	FR-719	24	12
	9020052	FR-900	24	12
<b>903</b>	9030048	AM-309	24	15
	9030086	AL-100	24	15
	9030087	AL-105	24	15
	9030103	AL-110	24	15
	9030119	AL-125	24	15
	9030122	AM-930	24	15
	9030134	AL-130	24	15
	9030141	AM-145	24	15
	9030142	AM-246	24	15
	9030143	AM-346	24	15
	9030147	AM-155	24	15
	9030148	AM-256	24	15
	9030149	AM-356	24	15
	9030150	AM-150	24	15
	9030155	AM-342	24	15
	9030159	BO-342	24	15
	9030163	AM-165	24	14



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9030164	AM-266	24	14
9030165	AM-160	24	14
9030166	AM-262	24	14
9030167	BO-165	24	14
9030168	BO-266	24	14
9030169	BO-160	24	14
9030170	BO-262	24	14
9030171	AM-366	24	14
9030172	AM-362	24	14
9030173	BO-366	24	14
9030174	BO-362	24	14
9030175	AM-270	24	14
9030176	AM-274	24	14
9030177	AM-374	24	14
9030178	AM-173	24	14
9030179	AM-911	24	14
9030181	BO-911	24	14
9030182	AM-447	24	15
9030185	AM-183	24	13
9030186	AM-187	24	13
9030187	AM-167	24	14
9030188	AM-177	24	14
9030190	AM-913	24	14
9030191	BO-913	24	14
9030192	AM-190	24	13
9030193	AM-195	24	13
9030194	AM-292	24	13
9030195	AM-296	24	13
9030196	BO-190	24	13
9030197	BO-195	24	13
9030198	BO-292	24	13
9030199	BO-296	24	13
9030200	AM-387	24	13
9030201	AM-397	24	13
9030202	BO-397	24	13
9030204	AM-497	24	13
9030205	AM-487	24	13
9030206	BO-497	24	13
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9030209	AM-915	24	13
9030210	BO-915	24	13
9040003	CA-730	8	17
9040011	CA-311	24	17
9040014	CA-310	24	17
9040015	DA-720	8	20
9040016	DA-701	8	20
9040017	DA-711	8	20
9040019	DA-703	8	20
9040025	DA-713	8	20
9040031	CF-111	8	20
9040032	CF-112	8	20
9040036	CF-711	8	20
9040037	CF-712	8	20
9040039	CA-312	24	17
9040042	CF-715	8	20
9040043	CF-716	8	20

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9040047	CF-116	8	20
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9040051	AI-221	24	16
9040052	AI-223	24	16
9040053	AI-100	24	16
9040056	AI-131	24	16
9040057	AI-133	24	16
9040058	CA-313	24	17
9040060	CA-210	24	17
9040061	CA-215	24	17
9040062	AI-108	24	16
9040063	AI-400	24	16
9040065	DA-520	8	20
9040071	AI-210	24	16
9040073	CA-220	24	17
9040075	AI-414	24	16
9040077	CA-720	8	17
9040102	CA-620	8	17
9040103	CA-710	8	17
9040116	CA-340	24	17
9040117	CA-342	24	17
9040118	CA-541	8	17
9040119	DA-706	8	20
9040120	CA-440	24	17
9040121	CA-441	24	17
9040123	AI-233	24	16
9040125	AI-240	24	16
9040128	CA-750	8	17
9040129	AI-270	24	16
9040130	AI-231	24	16
9040131	CA-642	10	18
9040132	CA-662	10	18
9040133	CA-612	10	18
9040134	CA-613	10	18
9040135	CA-643	10	18
9040136	CA-611	10	18
9040137	CA-641	10	18
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9040139	CA-651	9	18
9040140	CA-652	9	18
9040141	CA-360	24	17
9040142	CA-770	8	17
9040143	CA-671	9	18
9040144	CA-672	9	18
9040145	CAD-704	6	21
9040146	CA-362	24	17
9040147	CA-361	24	17
9040148	CA-661	10	18
9040149	CA-663	10	18
9040150	CA-320		19
9040151	CA-321		19
9040152	CA-370	-	19
9040153	CA-371	-	19
9040154	CAD-714		21
9040155	DA-601	-	20
9040156	DA-603	-	20

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	9040158	DA-613	-	20
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	9040251	FF-300	-	19
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	9050022	ZG-431	40	22
	9050023	ZG-412	40	22
	9050024	ZG-413	40	22
	9050026	ZG-414	40	22
	9050035	ZG-211	40	22
	9050043	VE-500	1	22, 44
	9050074	ZG-611	40	22
	9050083	AS-125	28	22
	9050092	ZP-431	40	22
	9050099	SP-122	1	22
	9050100	SP-126	1	22
	9050102	PZ-010	10	23
	9050104	LT-107	1	23
	9050106	ZG-212	40	22
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	9050125	SP-128	1	22
	9050126	ZA-411	40	21
	9050128	AS-326	28	21
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	9050140	ZA-903	1	21
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	9050152	ZF-913	1	21
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	9050157	ZF-912	1	21
	9050174	PC-526	1	42
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	9060036	FI-243	6	26
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	9060039	FD-419	6	27
	9060040	FD-425	6	27
	9060043	FP-223	6	27
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	9060046	FP-414	6	27
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	9060055	FI-244	6	26
	9060056	FI-474	6	26
	9060060	SD-100	1	27
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	9060065	DE-205	12	27
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	9060071	DE-407	12	27
	9060073	DE-603	12	27
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	9060078	FI-374	6	26
	9060079	FI-594	6	26
	9060097	DI-203	12	26
	9060098	DI-303	12	26
	9060099	DI-403	12	26
	9060100	DI-603	12	26
	9060101	DI-803	12	26
907	9070004	BS-220	24	29
	9070005	BS-420	24	29
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	9070042	BM-700	24	29
	9070043	BC-100	24	29
	9070044	BC-200	24	29
	9070045	BC-500	24	29
	9070046	BC-110	24	29
	9070062	BS-100	24	28
	9070068	BS-110	24	28
	9070070	BS-210	24	28
	9070071	BS-510	24	28
	9070073	BS-112	24	28
	9070075	SB-003	24	29
	9070079	PT-100	6	28
	9070083	PT-401	6	28
	9070085	PT-800	12	28
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	9070101	PT-210	12	28
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9070122	PT-220	12	28
9070123	PT-320	12	28
9070124	PT-420	12	28
9070125	PT-520	12	28
9070126	PT-620	12	28
9070127	PT-820	12	28
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9080001	HC-095	25	25
9080004	EM-101	25	26
9080010	RM-095	25	25
9080011	RH-095	25	25
9080012	EP-111	10	25
9080013	EP-212	10	25
9080014	MC-104	50	25
9080015	MC-204	50	25
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9080017	HE-000	1	26
9080018	HE-100	1	26
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9080025	MC-000	10	25
9080026	EP-311	100	25
9080027	EP-414	10	25
9080028	HE-002	1	26
9080029	HC-000	10	25
9080030	MC-304	100	25
9080033	MC-202	25	25
9080034	MC-102	100	25
9090016	DV-102	1	26
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9090026	FR-423	1	30
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9090031	AV-305	1	30
9090033	AV-315	1	30, 31, 33
9090038	BL-300	1	31, 33
9090042	RB-619	8	30
9090044	PR-201	1	30
9090046	RB-900	8	30
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9090102	RB-519	8	30
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9100060	CE-860	100	24
9100061	CE-756	100	24

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9120030	PF-230	24	9
9120039	CM-004	100	25
9120064	PU-101	12	44
9120079	CD-011	1	44
9120094	CD-113	1	44
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9120109	MS-543	1	43
9120122	PF-431	14	9
9120124	LA-102	1	43
9120126	CB-400	1	43
9120130	SP-226	1	44
9120131	CP-226	1	44
9120132	CP-426	1	44
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9120158	PF-224	15	9
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9120161	PF-423	12	9
9120162	PF-424	12	9
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9120198	UE-403	1	9
9120199	LA-103	1	43
9120200	TT-401	1	42
9120201	TT-411	1	42
9120204	UE-202	1	9
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9120219	LA-104	1	43
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9120249	FA-411	1	43
9120251	TM-101	1	40
9120252	TM-111	1	40
9120253	TM-112	1	40
9120254	TM-102	1	40
9120255	FA-512	1	41
9120256	PA-740	1	41
9120257	SP-245	1	41
9120258	WF-100	1	41
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9130014	MU-310	1	31
9130015	MU-610	1	31
9130016	MU-130	1	31
9130017	MU-330	1	31
9130018	MU-630	1	31
9130020	MU-321	1	31
9130021	MU-621	1	31
9130023	MU-341	1	31
9130024	MU-641	1	31
9130033	MU-320	1	31
9130034	MU-620	1	31
9130036	MU-340	1	31
9130037	MU-640	1	31
9130041	AU-620	9	23, 31
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9130057	FU-513	28	23, 31
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9130062	DU-240	1	26, 31
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9130070	MB-203	1	32
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9130080	MB-303	1	32
9130081	MB-304	1	32
9130082	MB-305	1	32
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9130090	MB-403	1	32
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9130136	ML-404	1	32
9130137	ML-405	1	32
9130138	ML-406	1	32
9130144	MB-102	1	32
9130145	MB-103	1	32
9130146	MB-104	1	32
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9130161	FU-704	1	33
9130163	FU-304	1	33
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9130172	MB-308	1	32
9130173	ML-308	1	32
9130174	MB-408	1	32
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9130176	MB-200	1	32
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9130178	ML-200	1	32
9130179	ML-201	1	32
9130184	MB-301	1	32
9130185	ML-301	1	32
9130186	MB-401	1	32
9130187	ML-401	1	32
9130188	MB-112	1	32
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9130190	MB-114	1	32
9130191	MB-115	1	32
9130192	MB-116	1	32
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9160054	OWB-308		35
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9160056	FOC-364	100	35
9160057	FOC-368	100	35
9160058	OPT-301		35
9160059	OTB-300		36
9160060	OTB-310		36
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	GM-515	9980100	1	11
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	ML-208	9130171	1	32
	ML-301	9130185	1	32
	ML-302	9130114	1	32
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	ML-304	9130116	1	32
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The acceptance of orders by ALCAD Electronics S.L. implies the acceptance of the following general terms of trade. These terms take priority over the conditions of purchase that may figure on client order forms or other documents.

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Our unit prices are Ex Works Irún. The price that will be applied is the current price in the country of sale at the date of receipt of order. Orders accepted by our agents are only formalised following our confirmation.

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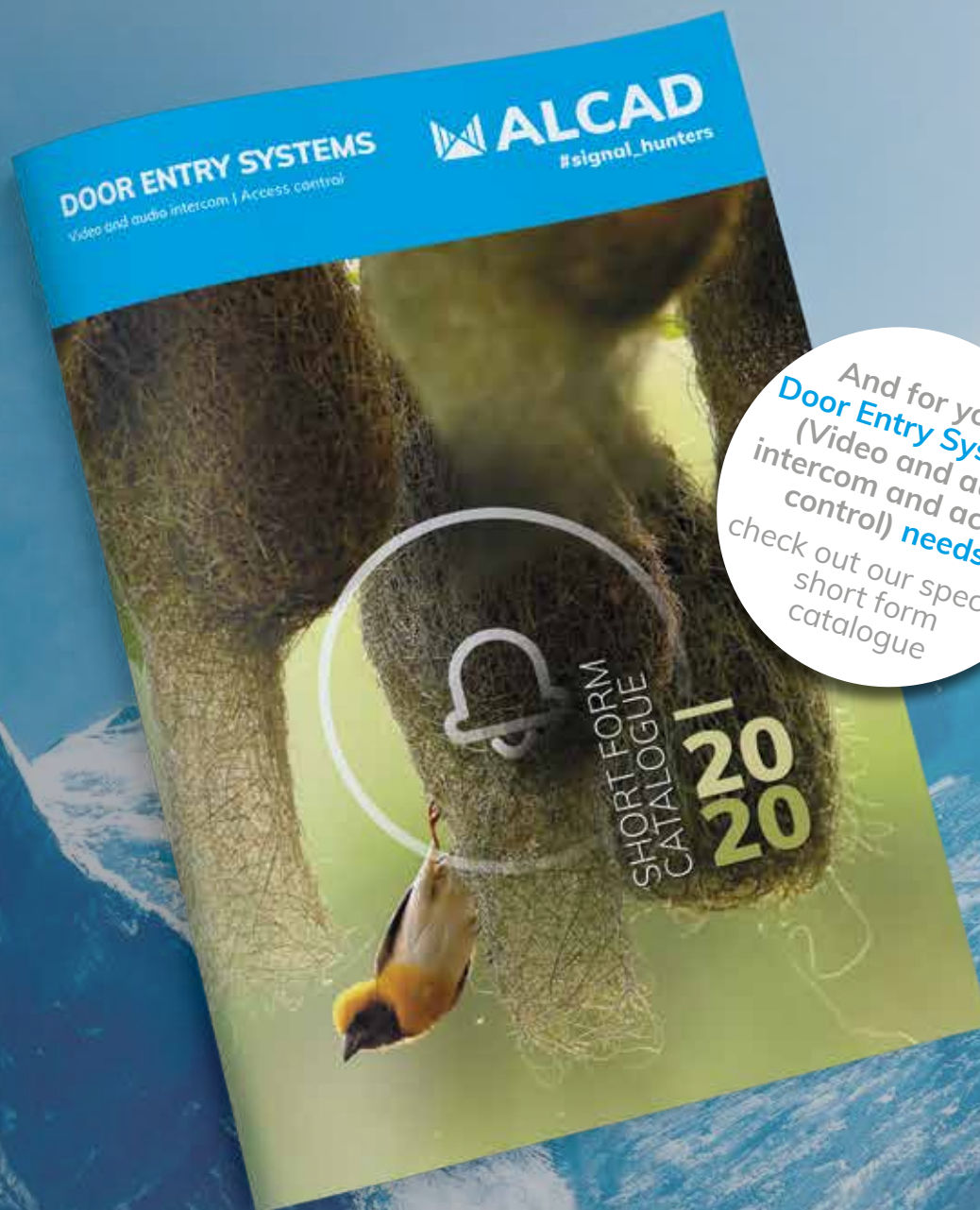


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