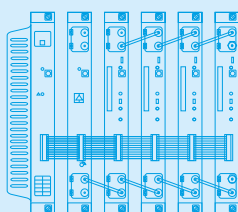
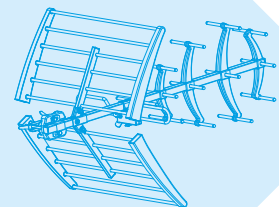


# MULTIMEDIA-TV

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**2022**



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9000201 | NEO-082

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SERIE 905-ZG

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9060036 | FI-243

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9160060 | OTB-310

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himalaya headend

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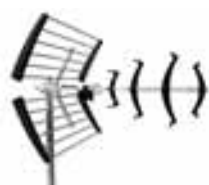
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# ANTENNAS

## Terrestrial antennas



9000202 | BU-452



9000200 | NEO-042



9000201 | NEO-082



9010019 | SI-412

## / LTE700 antennas

### IN INDIVIDUAL PACKAGING

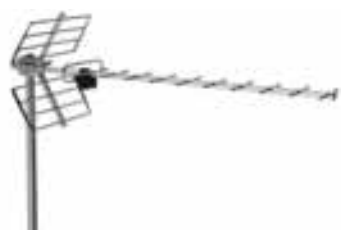
CODE	TYPE	DESCRIPTION	PACK.
9000110	BU-117	Yagi antenna, 15 dBi	144
9000105	BU-267	Yagi antenna, double array, small reflector, 15 dBi	74
9000111	BU-457	Yagi antenna, double array, large reflector, 16 dBi	74
9000202	BU-452	Yagi antenna, double array, large reflector, 16 dBi, with LTE700 filter	52
9000189	NEO-047	Yagi antenna, triple array, 16 dBi	32
9000200	NEO-042	Yagi antenna, triple array, 16 dBi, with LTE700 filter	32
9000187	NEO-087	Yagi antenna, large, triple array, 18 dBi	24
9000201	NEO-082	Yagi antenna, large, triple array, 18 dBi, with LTE700 filter	24
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
9000203	GA-452	Box with 5 BU-452 antennas in individual plastic bags	12
9000199	GA-047	Box with 4 NEO-047 antennas in individual plastic bags	10

### BALUN (SYMMETRIZER) WITH REJECTION

CODE	TYPE	DESCRIPTION	PACK.
9010019	SI-412	Balun that adds LTE700 rejection to BU, MX and NEO-04x antennas	1



9000084 | BU-116

## / LTE800 antennas

### IN INDIVIDUAL PACKAGING

CODE	TYPE	DESCRIPTION	PACK.
9000084	BU-116	Yagi antenna, 15 dBi	144
9000107	NEO-046	Yagi antenna, triple array, 16 dBi	40
9000088	MX-076	Yagi antenna, large, quadruple array, 20 dBi	27

## / UHF antennas, 470-862 MHz

CODE	TYPE	DESCRIPTION	PACK.
9000077	BU-115	Yagi antenna, small, 13 dBi	216
9000042	BU-269	Yagi antenna, double array, 15 dBi	76
9000043	BU-569	Yagi antenna, large, double array, 18 dBi	27
9000185	NEO-085	Yagi antenna, large, triple array, 18 dBi	30



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
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

## Satellite dishes



9120157 | **PF-223**



9120216 | **PF-620**

## / Satellite dishes

CODE	TYPE	DESCRIPTION	PACK.
9120030	<b>PF-230</b>	Satellite dish, ø60cm, fiber, includes 1 single LNB	24
9120156	<b>PF-220</b>	Satellite dish, ø65cm, electro zinc plated steel	15
9120157	<b>PF-223</b>	Satellite dish, ø65cm, electro zinc plated steel, includes 1 single LNB	15
9120158	<b>PF-224</b>	Box with 5 PF-223 dishes and their respective LNBs	15
9120160	<b>PF-420</b>	Satellite dish, ø80cm, electro zinc plated steel	12
9120161	<b>PF-423</b>	Satellite dish, ø80cm, electro zinc plated steel, includes 1 single LNB	12
9120162	<b>PF-424</b>	Box with 5 PF-423 dishes and their respective LNBs	12
9120122	<b>PF-431</b>	Satellite dish, ø85cm, fiber	15
9120216	<b>PF-620</b>	Satellite dish, ø100cm, electro zinc plated steel	8
9120220	<b>PF-742</b>	Satellite dish, ø100cm, aluminium with polyester coating	100

## LNBs



9120262 | UE-005



9120265 | UE-404

/ With coaxial output

CODE	TYPE	DESCRIPTION	PACK.
9120262	UE-005	Single LNB, Ku band	1
9120263	UE-203	Twin LNB, Ku band	1
9120264	UE-301	Quad LNB, Ku band	1
9120265	UE-404	Quattro LNB, universal	1

## Masts, towers and mechanical accessories



9980051 | TI-025



9980050 | TS-025



9980055 | BE-001

/ Towers

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



9980008 | **MT-352**



9980003 | **MT-410**



9980066 | **RD-100**

## / 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



9980056 | **GM-040**



9980067 | **GM-200**



9980069 | **SE-090**

## / Wall clamps

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

## / Wall supports

CODE	TYPE	DESCRIPTION	PACK.
9980065	<b>RS-500</b>	Horizontal reinforced antenna support, zinc plated iron	12
9980066	<b>RD-100</b>	Double horizontal reinforced antenna support, zinc plated iron	6
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



9980018 | **BE-201**



9980013 | **BB-001**

## / Other accessories

CODE	TYPE	DESCRIPTION	PACK.
9980009	<b>PI-101</b>	Satellite dish support (up to ø110cm), secured to BE-201 using 165mm metal bolts	1
9980018	<b>BE-201</b>	Embedded satellite dish base (up to ø110cm)	6
9980023	<b>SA-010</b>	Support for 2 LNBS in PF-230/431 dishes for satellites 6° apart	1
9980062	<b>CT-001</b>	ø2mm steel cable	100
9980114	<b>CT-003</b>	ø3mm steel cable	100
9980014	<b>TE-014</b>	1/4" tightener	1
9980059	<b>AC-013</b>	Cable clamps for ø2mm steel cable	25
9980058	<b>AC-014</b>	Cable clamps for ø1/4" steel cable	1
9980011	<b>JV-335</b>	Ring and clamp to secure masts with steel cables	100
9980013	<b>BB-001</b>	Bar clamp, ø60mm	100
9980012	<b>BB-002</b>	Double reinforced bar clamp, ø60mm	75
9980099	<b>CH-030</b>	Chimney clamp, ø35mm zinc plated steel tubes	1
9980020	<b>TA-001</b>	Tilttable base for rooftop for ø40mm 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	BR-411	UHF preamplifier, 14dB, 12V	100
9010008	BR-401	UHF preamplifier, 14dB, 24V	100
9010018	BR-407	UHF preamplifier, 14dB, 24V, with LTE700 filter	100

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

CODE	TYPE	DESCRIPTION	PACK.
9010013	BR-421	UHF preamplifier, 14dB, 24V	100



9020052 | FR-900

## / Mast rejection filters

CODE	TYPE	DESCRIPTION	PACK.
9020052	FR-900	LTE700 rejection filter, bandpass up to C48 (694 MHz), 60dB	24
9020048	FR-619	LTE800 rejection filter, bandpass up to C60 (790 MHz), 60dB	24



9020041 | MM-200



9020017 | MM-303

## / Mast multiplexers

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



9030163 | **AM-165**



9030188 | **AM-177**

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

CODE	TYPE	DESCRIPTION	PACK.
9030163	<b>AM-165</b>	1 input, UHF 32 dB, 24 Vdc	24
9030188	<b>AM-177</b>	1 o 2 inputs, UHF 34dB + DAB/FM 20dB, 12 Vdc	24
9030176	<b>AM-274</b>	2 inputs, UHF 34dB + DAB 20dB, 12 Vdc	24
9030190	<b>AM-913</b>	2 inputs, UHF 40dB + DAB 28dB, 24 Vdc	24
9030177	<b>AM-374</b>	3 inputs, (UHF1 + UHF2) 34dB + DAB 20dB, 12 Vdc	24

## / Kits of LT800 mast amplifiers + power supply

CODE	TYPE	DESCRIPTION	PACK.
9030167	<b>BO-165</b>	Kit AM-165 amplifier + AL-100 power supply	24
9030173	<b>BO-366</b>	Kit AM-366 amplifier + AL-100 power supply	24
9030191	<b>BO-913</b>	Kit AM-913 amplifier + AL-100 power supply	24

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

CODE	TYPE	DESCRIPTION	PACK.
9030142	<b>AM-246</b>	2 inputs, UHF 32dB + DAB/FM 20dB, 24 Vdc	24

## / Mast amplifiers with FI

CODE	TYPE	DESCRIPTION	PACK.
9030211	BO-696	Mast amplifier + power supply kit, 3 inputs, UHF 32dB + DAB/FM 20dB + IF, 24 Vdc	24
9030213	AL-245	Power supply 12 Vdc 400 mA with DC path 13/18 Vdc for LNB, 2 outputs (85-265 Vac)	24
9030212	AM-696	Mast amplifier 3 inputs, SAT-UHF-DAB/FM, SAT coupling -2 dB, UHF gain 32 dB, DAB/FM gain 20 dB, LTE700 rejection, power supply 12-18 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

# 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
9040254	AI-201	Splitband amplifier 1 input, 2 outputs, UHF-VHF/S, UHF gain 24 dB, VHF/S gain 14 dB (230 Vac)	-
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
9040255	AI-271	Splitband amplifier 1 input, 2 outputs, UHF-VHF/S, UHF gain 24 dB, VHF/S gain 14 dB, LTE700 rejection (230 Vac)	-
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.
9040075	AI-414	4 outputs, UHF 12 dB 91 dB $\mu$ V, SAT 25 dB 108 dB $\mu$ V	24



# Powerful broadband amplifiers in a very small footprint



Page 15



## GREAT POWER IN A SMALL FOOTPRINT

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



## RELIABLE AND VERSATILE

The external power supply allows for easy maintenance



## EASY INSTALLATION

No programmer or special tools needed

# Broadband header amplifiers



9040073 | CA-220

## / 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



9040147 | CA-361

**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

**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	24
9040153	CA-371	2 inputs, UHF 40dB LTE700 + BI/FM/DAB 30/20/30dB	24
9040150	CA-320	3 inputs, (UHF1 + UHF2) 40dB + BI/FM/DAB 30/20/30dB	24
9040152	CA-370	3 inputs, (UHF1 + UHF2) 40dB LTE700 + BI/FM/DAB 30/20/30dB	24
9040251	FF-300	Spare power supply for k2 amplifiers, 24V/250mA	1



9040152 | CA-370



9040120 | CA-440

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

CODE	TYPE	DESCRIPTION	PACK.
9040120	CA-440	3 inputs, (UHF1 + UHF2) 35dB LTE800 + DAB 35dB	24
9040121	CA-441	4 inputs, (BIV + BV + UHF) 35dB LTE800 + DAB 35dB, bandas BIV y BV configurables bajo pedido	24

**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



9040142 | CA-770

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

CODE	TYPE	DESCRIPTION	PACK.
9040103	CA-710	5 inputs, (UHF1 + UHF2 + UHF3) 51dB + (DAB + BI/FM) 41dB	8
9040077	CA-720	6 inputs, (UHF1 + UHF2 + UHF3) 51dB + (DAB + BI/FM) 41dB + SAT 45dB	8
9040142	CA-770	6 inputs, (UHF1 + UHF2 + UHF3) 51dB LTE700 + (DAB + BI/FM) 40dB + SAT 42dB	8



9040148 | CA-661



9040149 | CA-663



9040144 | CA-672

**EVEREST**

**TV, 117 dB $\mu$ V**

CODE	TYPE	DESCRIPTION	PACK.
9040136	CA-611	3 inputs, UHF 45/30dB + (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
9040132	CA-662	4 inputs, (UHF1 + UHF2) 45/30dB LTE700 + (DAB + FM) 32dB	10
9040134	CA-613	5 inputs, (UHF1 + UHF2 + UHF3) 45/30dB + (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

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

CODE	TYPE	DESCRIPTION	PACK.
9040143	CA-671	4 inputs, UHF1 45/30dB LTE700 + 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



# everest

New **everest** distribution amplifiers: what really matters is what's going on inside



Page 18

- Broadband amplifiers for both terrestrial TV (117 dBuV) and satellite (118.5 dBuV).
- Independent variable gain controllers and equalizers for the terrestrial part and the satellite part.
- It amplifies the return path from 5 to 30/65 MHz.



maximum shielding



easy installation



lower heating



Made in Spain

# Distribution amplifiers

/ Distribution amplifiers



9110000 | [DAM-504](#)



9040065 | [DA-520](#)



9040047 | [CF-116](#)

## TV

CODE	TYPE	DESCRIPTION	PACK.
9040015	DA-720	Separate adjustment, VHF (47-422 MHz, 35dB), UHF (470-862 MHz, 36dB), 120 dB $\mu$ V	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 dB $\mu$ V	8
9040032	CF-112	TV 47-862 MHz 40dB 113 dB $\mu$ V, SAT 40dB 120 dB $\mu$ V, RP 30 MHz 10dB	8
9040160	DA-741	TV 47-862 MHz 50dB, SAT 40dB, RP 30 MHz 20dB, 121 dB $\mu$ V	8
9040161	DA-743	TV 86-862 MHz 50dB, SAT 40dB, RP 65 MHz 20dB, 121 dB $\mu$ V	8



9040155 | [DA-601](#)

## EVEREST TV AND TV/SAT

CODE	TYPE	DESCRIPTION	PACK.
9040155	DA-601	TV 47-862 MHz 34dB 117 dB $\mu$ V, RP 30 MHz 18dB	10
9040156	DA-603	TV 86-862 MHz 34dB 117 dB $\mu$ V, RP 65 MHz 18dB	10
9040157	DA-611	TV 47-862 MHz 34dB 117 dB $\mu$ V, SAT 40dB 118,5 dB $\mu$ V, RP 30 MHz 18dB	10
9040158	DA-613	TV 86-862 MHz 34dB 117 dB $\mu$ V, SAT 40dB 118,5 dB $\mu$ V, RP 65 MHz 18dB	10
9040250	FF-200	External everest power supply as a spare part, 24Vdc/1A	11

# Programmable amplifiers



9040159 | CAD-703

## / 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
9040159	CAD-703	Digital programmable amplifier, 3xUHF, 1xVHF, 1xFM, 32 filters, auto scan & AGC	5
9040154	CAD-713	Mont Blanc, terrestrial + SAT, 2xUHF + 1xBIII + 1xFM + 1xIF	1
9040252	FF-415	Spare power supply for CAD-703 and CAD-704 Mont Blanc amplifiers, 15V	1
9040253	FF-420	Spare power supply for CAD-704 and CAD-714 Mont Blanc amplifiers, 20V	1



9050126 | ZA-411



SERIE 905-ZA

## / Programmable ZA amplifiers

CODE	TYPE	DESCRIPTION	PACK.
9050116	ZF-712	IF amplifier, 45dB, 123 dB $\mu$ V	40

## 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 dBμV *	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 dBμV	40
9050106	ZG-212	DAB amplifier, 50dB, 123 dBμV	40
9050074	ZG-611	BI/BIII/interband amplifier, 52dB, 123 dBμV	40
9050116	ZF-712	IF amplifier, 45dB, 123 dBμV	40
9050083	AS-125	Power supply for ZG/ZP/ZF, 24Vdc / 1,7A	28

\* Selected channel or channels must be indicated

## 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
9050124	CP-126	Cabinet for SP-216 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



9050119 | PZ-020



9050120 | LT-102



9050121 | LT-112

## / Bridge connectors, power cables and loads

CODE	TYPE	DESCRIPTION	PACK.
9050102	PZ-010	Fast F bridge connector	10
9050119	PZ-020	"F" male IEC Ø9,52mm plug bridge	10
9050052	ZP-002	Plug bridge	10
9050104	LT-107	10-line flat power cable, for up to 1 power supply and 18 modules	1
9050120	LT-102	Power cable faston to 10 pin male	1
9050121	LT-112	Power cable from faston connector to 10 pin female connector	1
9080019	RC-110	75Ω isolated load, F connector	10
9050004	RM-075	Shielded load 75 Ohm	10
9090043	IM-123	Current injector 24 Vdc, for 905-ZG & 905-ZP equipment with female F connector	1



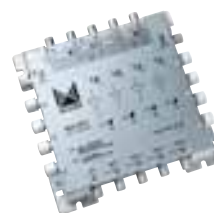
9120144 | PS-011

## / Programmers for ZA amplifiers

CODE	TYPE	DESCRIPTION	PACK.
9120144	PS-011	Wireless programmer for ZA modules and other headends	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
9100068	CE-763	RG-6 coaxial cable CPR Dca, ø 7 mm, 75 Ohm , 16 dB/100 m at 800 MHz, 27 dB/100 m at 2150 MHz, Cu/CC/CCA, white PO HF by 100 m coils	100
9100057	CL-201	ø10.1 mm, 11dB/100m 800 MHz, 250m	250
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
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

## / F 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



9080017 | HE-000



9080018 | HE-100



9100050 | GC-007



9120027 | LF-001

## / Tools and accessories for coaxial cable

CODE	TYPE	DESCRIPTION	PACK.
9080017	HE-000	Stripping tool for $\phi$ 6.5-7.1mm cable	1
9080028	HE-002	Cylindrical stripping tool for $\phi$ 6.5-7.1mm 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 $\phi$ 6.7mm cable	100
9120027	LF-001	F connector wrench tool	3

## 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
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	ME-214	2 inputs TV-SAT, 1 output TV+SAT	6
9020019	ME-213	3 inputs TV-SAT1-SAT2, 2 outputs TV+SAT1-TV+SAT2	6
9090017	MD-104	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	FP-211	2 outputs @11dB	6
9060032	FP-217	2 outputs @17dB	6
9060043	FP-223	2 outputs @23dB	6
9060044	FP-226	2 outputs @26dB	6
9060046	FP-414	4 outputs @14dB	6
9060047	FP-420	4 outputs @20dB	6
9060048	FP-426	4 outputs @26dB	6
9060063	DE-201	2 outputs @13.5dB	1
9060064	DE-203	2 outputs @16.5dB	1
9060065	DE-205	2 outputs @22dB	12
9060066	DE-207	2 outputs @27dB	12
9060068	DE-401	4 outputs @15dB	1
9060069	DE-403	4 outputs @17.5dB	12
9060070	DE-405	4 outputs @22.5dB	12
9060071	DE-407	4 outputs @28.5dB	12
9060073	DE-603	6 outputs @21dB	12
9060074	DE-605	6 outputs @24.5dB	12
9060075	DE-607	6 outputs @27.5dB	12

### EQUALIZED TAPS

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



9130167 | DU-900

## / Accessories

CODE	TYPE	DESCRIPTION	PACK.
9060026	SD-003	Outdoor plastic cover for FD/FP/FI taps and splitters	4
9060060	SD-100	Mast outdoor plastic cover for FD/FP/FI taps and splitters	1
9130167	DU-900	Frame for 9 splitters or taps, for multiswitches	1
9120011	RS-275	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.
9070122	PT-220	2 outputs	12
9070123	PT-320	3 outputs	12
9070124	PT-420	4 outputs	12
9070125	PT-520	5 outputs	12
9070126	PT-620	6 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	BS-220	Final, 11.5dB	24
9070005	BS-420	Intermediate, levels 2 to 6, 17.5dB	24
9070006	BS-620	Intermediate, levels 7 to 10, 22.5dB	24

### TV, UP TO 862 MHZ

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

### CATV, UP TO 1000 MHZ

CODE	TYPE	DESCRIPTION	PACK.
9070043	BC-100	Final, 1,0dB	24
9070044	BC-200	Intermediate, 10dB	24



9070021 | EM-201



9070075 | SB-003

## / Cover plates and accessories

CODE	TYPE	DESCRIPTION	PACK.
9070021	EM-201	TV-R/TV-R cover plate for BS outlets (except BS-100 and BS-112)	24
9070025	EM-211	Custom TV-R/TV-R cover plate for BS outlets (except BS-100 and BS-112)	72
9070022	EM-202	TV-R/TV-R cover plate for BS-100 and BS-112 outlets	24
9070027	EM-212	Custom TV-R/TV-R cover plate for BS-100 and BS-112 outlets	72
9070020	EM-200	TV/R cover plate for BM and BC outlets	24
9070024	EM-210	Custom TV/R cover plate for BM and BC outlets	72
9070075	SB-003	Accessory for mounting outlets on a surface	24

# Rejection filters, preamps and attenuators



9090046 | [RB-900](#)

## / Rejection filters

CODE	TYPE	DESCRIPTION	PACK.
9090042	<a href="#">RB-619</a>	LTE800 rejection filter, bandpass up to C60 (790 MHz), 60dB	8
9090046	<a href="#">RB-900</a>	LTE700 rejection filter, bandpass up to C48 (694 MHz), 60dB	8



9090029 | [PR-310](#)



9090033 | [AV-315](#)

## / Preamplifiers and attenuators, F connectors

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

# MU multiswitches



9130024 | **MU-641**



9130050 | **CN-611**



9090038 | **BL-300**

/ with return path

## FINAL MULTISWITCHES

CODE	TYPE	DESCRIPTION	PACK.
9130014	<b>MU-310</b>	4 polarities + terrestrial, 8 outputs	1
9130015	<b>MU-610</b>	4 polarities + terrestrial, 16 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

/ 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



9130116 | ML-304



9130188 | MB-112



9130081 | MB-304

/ 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

/ Final multiswitches, active terrestrial

		INPUTS									
		5		5 (UK)		9		13		17	
		CODE	TYPE	CODE	TYPE	CODE	TYPE	CODE	TYPE	CODE	TYPE
OUTPUTS	8	9130188	MB-112	9130144	MB-102	9130069	MB-202	9130079	MB-302	9130089	MB-402
	12	9130189	MB-113	9130145	MB-103	9130070	MB-203	9130080	MB-303	9130090	MB-403
	16	9130190	MB-114	9130146	MB-104	9130071	MB-204	9130081	MB-304	9130091	MB-404
	20	9130191	MB-115	9130147	MB-105	9130072	MB-205	9130082	MB-305	9130092	MB-405
	24	9130192	MB-116	9130148	MB-106	9130073	MB-206	9130083	MB-306	9130093	MB-406
	32	9130193	MB-118	9130160	MB-108	9130170	MB-208	9130172	MB-308	9130174	MB-408

/ Power supplies and accessories

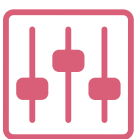
CODE	TYPE	DESCRIPTION	PACK.
D913001	AU-0630	Amplifier, 8 polarities + terrestrial, 18dB	1
D913004	AU-0680	Amplifier, 16 polarities + terrestrial, 30dB	1
9130163	FU-304	Spare power supply for 4/8-polarity MB multiswitches	1
9130161	FU-704	Spare power supply for 12/16-polarity MB multiswitches	1
9080019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

Distribution in coaxial cable

# Mont Blanc



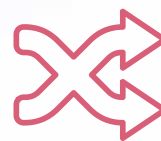
Compact size



Automatic Gain Control



Intuitive: with display and 3 programming push-buttons



32 high-selectivity digital filters



LTE700 filters in the UHF inputs

Page 19

**Mont Blanc** digital programmable amplifier: a compact headend with a lion's heart

# DISTRIBUTION

## IN OTHER MEDIA

### SMATV distribution in optical fiber



9160048 | OT-412



9160084 | OR-418



9160081 | OR-512

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

CODE	TYPE	DESCRIPTION	PACK.
9160087	OT-512	10mW TV-SAT optical transmitter with LNB feed, compatible with FA-512	1
9160048	OT-412	TV-SAT optical transmitter with LNB feed	1
9120255	FA-512	96W power supply for OT-512 optical transmitters	1
9120245	FA-410	50W power supply for OT-4x2 optical transmitters	1
9120234	SP-243	Frame for 1 power supply and 6 modules	1
9160084	OR-418	TV-SAT optical receiver for OT optical transmitters	1
9160077	OAT-306	Optical attenuator, 6dB, SC/APC connectors	1
9160078	OS-302	2-way optical splitter, SC/APC	1
9160079	OS-304	4-way optical splitter, SC/APC	1
9160080	OS-308	8-way optical splitter, SC/APC	1

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

CODE	TYPE	DESCRIPTION	PACK.
9160081	OR-512	Optical receiver TV-SAT Quatro (88-2150 MHz) 1100 to 1650 nm for single-mode fibre optic	1
9160037	PSU-010	Power supply for OLN-604 optical LNB or OR-511 receiver, 20Vdc/1.2A	1
9160042	OAT-105	Optical attenuator, 5dB, FC/PC connectors	1
9160043	OPC-203	Single mode fiber patchcord, 3m	1
9160044	OPC-204	Single mode fiber patchcord, 15m	1
9160045	OPC-205	Single mode fiber patchcord, 25m	1
9160046	OPC-206	Single mode fiber patchcord, 45m	1
9160033	OS-122	2-way optical splitter, FC/PC	1
9160034	OS-123	3-way optical splitter, FC/PC	1
9160035	OS-124	4-way optical splitter, FC/PC	1
9160036	OS-128	8-way optical splitter, FC/PC	1

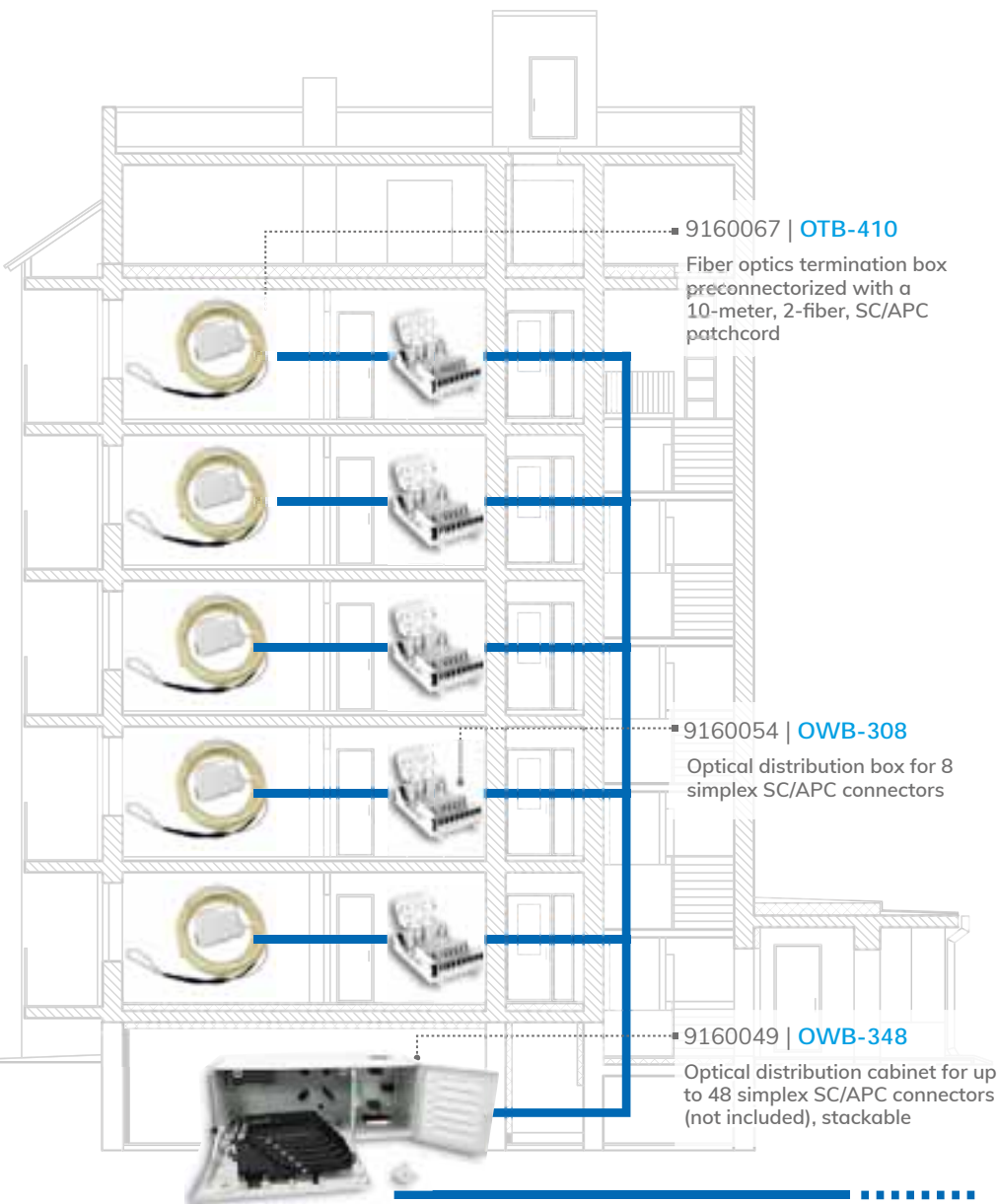




# COMMON TELECOMMUNICATIONS INFRASTRUCTURES



## INTEGRAL SOLUTION FOR FIBER OPTIC INSTALLATIONS



**NEW**

Renewed fiber optic catalogue



**SAVE TIME  
AND MONEY**

Preconnectorized termination-boxes to streamline installations



**FULL  
RANGE**

Premium products and accessories

## Distribution in fiber optics



9160050 | ODP-348



9160054 | OWB-308



9160049 | OWB-348

### / Distribution cabinets and patch panels

CODE	TYPE	DESCRIPTION	PACK.
9160049	OWB-348	Optical distribution cabinet for up to 48 simplex SC/APC connectors (not included), stackable	1
9160050	ODP-348	Optical patch panel, 24 duplex SC/APC connectors (included), 19"	1
9160051	ODP-312	Optical patch panel, 12 simplex SC/APC connectors (included), 19"	1
9300057	RWS-003	Wall support for 19" rack, 3U, galvanized steel	1
9160053	OAD-301	Simplex SC/APC adaptor for OWB-348 distribution cabinet	25
9160107	OAD-900	Adapter for SC/APC connector for RJ45 outlet Keystone type	25
9160054	OWB-308	Optical distribution box for 8 simplex SC/APC connectors	1
9160086	OWB-312	Optical distribution box for 12 simplex SC/APC connectors	1

### / Cables and pigtails

CODE	TYPE	DESCRIPTION	PACK.
9160055	FOC-302	Indoor drop cable, 2xFO	500
9160082	FOC-344	Indoor distribution cable, 16xFO (4x4)	cut
9160056	FOC-364	Indoor distribution cable, 24xFO (6x4)	cut
9160083	FOC-384	Indoor distribution cable, 32xFO (8x4)	cut
9160057	FOC-368	Indoor distribution cable, 48xFO (6x8)	cut
9160096	FOC-402	Outdoor drop cable, 2xFO	500
9160085	FOC-408	Outdoor distribution cable, 8xFO	100
9160058	OPT-301	Pigtail, simplex SC/APC connector, 1 meter	1
9160098	OPT-305	Pigtail, simplex SC/APC connector, 5 meters	1
9160099	OPT-310	Pigtail, simplex SC/APC connector, 10 meters	1
9160100	OPT-315	Pigtail, simplex SC/APC connector, 15 meters	1
9160101	OPT-320	Pigtail, simplex SC/APC connector, 20 meters	1
9160102	OPC-405	Patchcord, simplex SC/APC connectors, 5 meters	1
9160103	OPC-410	Patchcord, simplex SC/APC connectors, 10 meters	1
9160104	OPC-415	Patchcord, simplex SC/APC connectors, 15 meters	1
9160105	OPC-420	Patchcord, simplex SC/APC connectors, 20 meters	1

## / Termination boxes



9160059 | OTB-300



9160060 | OTB-310

CODE	TYPE	DESCRIPTION	PACK.
9160106	OTB-200	Fiber optics termination box, 2 simplex SC/APC connectors	1
9160059	OTB-300	Fiber optics termination box, 2 simplex SC/APC connectors, includes 2 pigtails	1
9160060	OTB-310	Fiber optics termination box preconnectorized with a 10-meter, 2-fiber, SC/APC pigtail	1
9160061	OTB-315	Fiber optics termination box preconnectorized with a 15-meter, 2-fiber, SC/APC pigtail	1
9160062	OTB-320	Fiber optics termination box preconnectorized with a 20-meter, 2-fiber, SC/APC pigtail	1
9160063	OTB-325	Fiber optics termination box preconnectorized with a 25-meter, 2-fiber, SC/APC pigtail	1
9160064	OTB-330	Fiber optics termination box preconnectorized with a 30-meter, 2-fiber, SC/APC pigtail	1
9160065	OTB-335	Fiber optics termination box preconnectorized with a 35-meter, 2-fiber, SC/APC pigtail	1
9160066	OTB-340	Fiber optics termination box preconnectorized with a 40-meter, 2-fiber, SC/APC pigtail	1
9160088	OTB-345	Fiber optics termination box preconnectorized with a 45-meter, 2-fiber, SC/APC pigtail	1
9160089	OTB-350	Fiber optics termination box preconnectorized with a 50-meter, 2-fiber, SC/APC pigtail	1
9160090	OTB-355	Fiber optics termination box preconnectorized with a 55-meter, 2-fiber, SC/APC pigtail	1
9160091	OTB-360	Fiber optics termination box preconnectorized with a 60-meter, 2-fiber, SC/APC pigtail	1
9160067	OTB-410	Fiber optics termination box preconnectorized with a 10-meter, 2-fiber, SC/APC patchcord	1
9160068	OTB-415	Fiber optics termination box preconnectorized with a 15-meter, 2-fiber, SC/APC patchcord	1
9160069	OTB-420	Fiber optics termination box preconnectorized with a 20-meter, 2-fiber, SC/APC patchcord	1
9160070	OTB-425	Fiber optics termination box preconnectorized with a 25-meter, 2-fiber, SC/APC patchcord	1
9160071	OTB-430	Fiber optics termination box preconnectorized with a 30-meter, 2-fiber, SC/APC patchcord	1
9160072	OTB-435	Fiber optics termination box preconnectorized with a 35-meter, 2-fiber, SC/APC patchcord	1
9160073	OTB-440	Fiber optics termination box preconnectorized with a 40-meter, 2-fiber, SC/APC patchcord	1
9160092	OTB-445	Fiber optics termination box preconnectorized with a 45-meter, 2-fiber, SC/APC patchcord	1
9160093	OTB-450	Fiber optics termination box preconnectorized with a 50-meter, 2-fiber, SC/APC patchcord	1
9160094	OTB-455	Fiber optics termination box preconnectorized with a 55-meter, 2-fiber, SC/APC patchcord	1
9160095	OTB-460	Fiber optics termination box preconnectorized with a 60-meter, 2-fiber, SC/APC patchcord	1

## / Outlets, accesories and tools

CODE	TYPE	DESCRIPTION	PACK.
9160074	OFS-345	Fiber optic fusion splice thermoretractable protector sleeve, 45 mm	1
9160075	OFS-360	Fiber optic fusion splice thermoretractable protector sleeve, 60 mm	1
9160076	OCN-300	Self-installable SC/APC connector, 900 µm	1

# CAT6 distribution

## / Patch panels

CODE	TYPE	DESCRIPTION	PACK.
9300057	RWS-003	Wall support for 19" rack, 3U, galvanized steel	1

## / Cables, pigtails and connectors

CODE	TYPE	DESCRIPTION	PACK.
9300059	TPC-101	CAT6 UTP patchcord with RJ45 connectors, 1 meter	1
9300060	TPC-103	CAT6 UTP patchcord with RJ45 connectors, 3 meters	1

# SIGNAL PROCESSING

## himalaya headends and accessories



9120253 | **TM-112**



9120259 | **TM-202**

### / 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
9120259	<b>TM-202</b>	2xDVB-S/S2/T/T2 to 2xDVB-T/C transmodulator	1
9120260	<b>TMS-204</b>	4xDVB-S/S2 to 2xDVB-T/C transmodulator, multistream compatible	1
9120261	<b>TMS-214</b>	4xDVB-S/S2 to 2xDVB-T/C transmodulator, multistream compatible, with Common Interface	1



9120256 | **PA-740**



9120255 | **FA-512**

### / himalaya 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



# himalaya

WE REACH THE SUMMIT TO  
OFFER YOU THE BEST SIGNAL

## 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.



# Modulators and transmodulators for professional headends



9120213 | TT-312



9120201 | TT-411

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

CODE	TYPE	DESCRIPTION	PACK.
9120213	TT-312	1 input connector, 1 tuner, 2 output channels, DiSEqC compatible, 1 CI slot	1

## / Channel processors

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

## / Modulators

### ANALOGUE A/V

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

## / Power supplies and accessories

CODE	TYPE	DESCRIPTION	PACK.
9120245	FA-410	50W power supply (230/240 Vac)	1
9120249	FA-411	50W power supply (110 Vac)	1
9120105	LS-207	Spare flat power cable for FA-410/FA-411 power supplies	1
9120173	LS-217	Spare flat power cable for FA-312 power supply	1
9120124	LA-102	Voltage adaptor to power ZF-712 modules from FA-312/410/411 power supplies	1



9120244 | PA-721

## / Amplifiers and active multiplexer

CODE	TYPE	DESCRIPTION	PACK.
9120244	PA-721	Broadband amplifier, 120 dB $\mu$ V, 44 dB	1
9120126	CB-400	10 inputs amplifier and multiplexer, 118 dB $\mu$ V, 29 dB gain	1

## / Optical transmitters and receivers

CODE	TYPE	DESCRIPTION	PACK.
9160087	OT-512	10mW TV-SAT optical transmitter with LNB feed, compatible with FA-512	1
9160048	OT-412	4mW TV-SAT optical transmitter with LNB feed, compatible with FA-410	1
9160084	OR-418	TV-SAT optical receiver for OT optical transmitters	1

## / Frames, cabinets and fans

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



9120232 | PU-102



9120144 | PS-011

## / Programmers, multiplexing bridges and cables

CODE	TYPE	DESCRIPTION	PACK.
9120232	PU-102	Multiplexing bridge for TT/TQ/PA headends	12
9120064	PU-101	Multiplexing bridge for DMH/DM/MS/PA headends	12
9120144	PS-011	Wireless programmer with TFT screen	1
9120094	CD-113	MiniDIN to stereo RCA cable	1

## 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





# APPENDIX

## Lists of products

/ List by code

	CODE	TYPE	PACK.	PAGE
<b>900</b>	9000005	FM-200	64	6
	9000040	FM-102	2/128	6
	9000042	BU-269	76	5
	9000043	BU-569	27	5
	9000063	BT-751	90	6
	9000071	BT-151	2/180	6
	9000077	BU-115	216	5
	9000084	BU-116	144	5
	9000088	MX-076	27	5
	9000105	BU-267	74	4
	9000107	NEO-046	40	5
	9000109	MX-047	38	4
	9000110	BU-117	144	4
	9000111	BU-457	74	4
	9000112	GA-457	12	4
	9000185	NEO-085	30	5
	9000187	NEO-087	24	4
	9000189	NEO-047	32	4
	9000197	AP-367	48	4
	9000198	GAN-267	10	4
	9000199	GA-047	10	4
	9000200	NEO-042	32	4
	9000201	NEO-082	24	4
	9000202	BU-452	52	4
	9000203	GA-452	12	4
<b>901</b>	9010008	BR-401	100	9
	9010009	BR-411	100	9
	9010013	BR-421	100	9
	9010018	BR-407	100	9
	9010019	SI-412	1	4
<b>902</b>	9020015	ME-214	6	25
	9020017	MM-303	24	9
	9020019	ME-213	6	25
	9020040	MM-207	24	9

	CODE	TYPE	PACK.	PAGE
	9020041	MM-200	24	9
	9020042	MM-307	24	9
	9020045	MM-214	24	9
	9020048	FR-619	24	9
	9020052	FR-900	24	9
<b>903</b>	9030048	AM-309	24	12
	9030086	AL-100	24	12
	9030087	AL-105	24	12
	9030103	AL-110	24	12
	9030119	AL-125	24	12
	9030142	AM-246	24	11
	9030163	AM-165	24	11
	9030167	BO-165	24	11
	9030173	BO-366	24	11
	9030176	AM-274	24	11
	9030177	AM-374	24	11
	9030185	AM-183	24	10
	9030186	AM-187	24	10
	9030188	AM-177	24	11
	9030190	AM-913	24	11
	9030191	BO-913	24	11
	9030192	AM-190	24	10
	9030193	AM-195	24	10
	9030194	AM-292	24	10
	9030195	AM-296	24	10
	9030196	BO-190	24	10
	9030197	BO-195	24	10
	9030198	BO-292	24	10
	9030199	BO-296	24	10
	9030200	AM-387	24	10
	9030201	AM-397	24	10
	9030202	BO-397	24	10
	9030204	AM-497	24	10
	9030205	AM-487	24	10

CODE	TYPE	PACK.	PAGE
9030206	BO-497	24	10
9030207	AM-396	24	10
9030208	BO-396	24	10
9030209	AM-915	24	10
9030210	BO-915	24	10
9030211	BO-696	24	12
9030212	AM-696	24	12
9030213	AL-245	24	12
9040003	CA-730	8	16
9040011	CA-311	24	15
9040014	CA-310	24	15
9040015	DA-720	8	18
9040032	CF-112	8	18
9040039	CA-312	24	15
9040050	AI-200	24	13
9040051	AI-221	24	13
9040052	AI-223	24	13
9040053	AI-100	24	13
9040056	AI-131	24	13
9040057	AI-133	24	13
9040060	CA-210	24	15
9040061	CA-215	24	15
9040062	AI-108	24	13
9040063	AI-400	24	13
9040065	DA-520	8	18
9040073	CA-220	24	15
9040075	AI-414	24	13
9040077	CA-720	8	16
9040103	CA-710	8	16
9040116	CA-340	24	15
9040117	CA-342	24	15
9040120	CA-440	24	16
9040121	CA-441	24	16
9040123	AI-233	24	13
9040125	AI-240	24	13
9040129	AI-270	24	13
9040130	AI-231	24	13
9040132	CA-662	10	16
9040133	CA-612	10	16
9040134	CA-613	10	16
9040136	CA-611	10	16
9040141	CA-360	24	15
9040142	CA-770	8	16
9040143	CA-671	9	16
9040144	CA-672	9	16

904

CODE	TYPE	PACK.	PAGE
9040145	CAD-704	6	19
9040146	CA-362	24	15
9040147	CA-361	24	15
9040148	CA-661	10	16
9040149	CA-663	10	16
9040150	CA-320	24	15
9040151	CA-321	24	15
9040152	CA-370	24	15
9040153	CA-371	24	15
9040154	CAD-713	1	19
9040155	DA-601	10	18
9040156	DA-603	10	18
9040157	DA-611	10	18
9040158	DA-613	10	18
9040159	CAD-703	5	19
9040160	DA-741	8	18
9040161	DA-743	8	18
9040250	FF-200	11	16, 18
9040251	FF-300	1	15
9040252	FF-415	1	19
9040253	FF-420	1	19
9040254	AI-201	-	13
9040255	AI-271	-	13
9050004	RM-075	10	21, 23
9050022	ZG-431	40	20
9050023	ZG-412	40	20
9050024	ZG-413	40	20
9050026	ZG-414	40	20
9050035	ZG-211	40	20
9050043	VE-500	1	20, 39
9050052	ZP-002	10	21
9050074	ZG-611	40	20
9050083	AS-125	28	20
9050092	ZP-431	40	20
9050099	SP-122	1	20
9050100	SP-126	1	20
9050102	PZ-010	10	21
9050104	LT-107	1	21
9050106	ZG-212	40	20
9050116	ZF-712	40	19, 20
9050119	PZ-020	10	21
9050120	LT-102	1	21
9050121	LT-112	1	21
9050124	CP-126	1	20
9050143	SP-123	1	20

905

	CODE	TYPE	PACK.	PAGE
	9050174	PC-526	1	38
	9050178	CP-900	1	20
	9050180	RT-104	1	40
906	9060026	SD-003	4	25
	9060031	FP-211	6	25
	9060032	FP-217	6	25
	9060033	FD-213	6	25
	9060034	FD-219	6	25
	9060035	FD-225	6	25
	9060036	FI-243	6	24
	9060037	FI-473	6	24
	9060038	FD-413	6	25
	9060039	FD-419	6	25
	9060040	FD-425	6	25
	9060043	FP-223	6	25
	9060044	FP-226	6	25
	9060046	FP-414	6	25
	9060047	FP-420	6	25
	9060048	FP-426	6	25
	9060053	FD-210	6	25
	9060054	FD-410	6	25
	9060055	FI-244	6	24
	9060056	FI-474	6	24
	9060060	SD-100	1	25
	9060063	DE-201	1	25
	9060064	DE-203	1	25
	9060065	DE-205	12	25
	9060066	DE-207	12	25
	9060068	DE-401	1	25
	9060069	DE-403	12	25
	9060070	DE-405	12	25
	9060071	DE-407	12	25
	9060073	DE-603	12	25
	9060074	DE-605	12	25
	9060075	DE-607	12	25
	9060079	FI-594	6	24
	9060097	DI-203	12	24
	9060098	DI-303	12	24
	9060099	DI-403	12	24
	9060100	DI-603	12	24
	9060101	DI-803	12	24
907	9070004	BS-220	24	27
	9070005	BS-420	24	27
	9070006	BS-620	24	27
	9070020	EM-200	24	27

	CODE	TYPE	PACK.	PAGE
	9070021	EM-201	24	27
	9070022	EM-202	24	27
	9070024	EM-210	72	27
	9070025	EM-211	72	27
	9070027	EM-212	72	27
	9070037	BM-100	24	27
	9070038	BM-101	24	27
	9070039	BM-111	24	27
	9070040	BM-200	24	27
	9070041	BM-500	24	27
	9070042	BM-700	24	27
	9070043	BC-100	24	27
	9070044	BC-200	24	27
	9070062	BS-100	24	26
	9070068	BS-110	24	26
	9070070	BS-210	24	26
	9070071	BS-510	24	26
	9070073	BS-112	24	26
	9070075	SB-003	24	27
	9070086	BS-102	1	26
	9070087	BS-101	1	26
	9070105	BS-113	90	26
	9070122	PT-220	12	26
	9070123	PT-320	12	26
	9070124	PT-420	12	26
	9070125	PT-520	12	26
	9070126	PT-620	12	26
	9070127	PT-820	12	26
908	9080000	MC-095	25	23
	9080001	HC-095	25	23
	9080004	EM-101	25	24
	9080010	RM-095	25	23
	9080011	RH-095	25	23
	9080012	EP-111	10	23
	9080013	EP-212	10	23
	9080014	MC-104	50	23
	9080015	MC-204	50	23
	9080016	HE-200	1	24
	9080017	HE-000	1	24
	9080018	HE-100	1	24
	9080019	RC-110	10	21, 23, 29, 30
	9080020	EP-313	10	23
	9080021	HE-001	1	24
	9080022	HE-201	1	24

CODE	TYPE	PACK.	PAGE
9080023	MC-302	100	23
9080025	MC-000	10	23
9080026	EP-311	100	23
9080028	HE-002	1	24
9080029	HC-000	10	23
9080030	MC-304	100	23
9080033	MC-202	25	23
9080034	MC-102	100	23
9090016	DV-102	1	24
9090017	MD-104	1	25
9090028	PR-200	1	28
9090029	PR-310	1	28, 29, 30
9090031	AV-305	1	28
9090033	AV-315	1	28, 29, 30
9090038	BL-300	1	29, 30
9090042	RB-619	8	28
9090043	IM-123	1	21
9090044	PR-201	1	28
9090046	RB-900	8	28
9100019	CE-741	500	22
9100021	CE-753	100	22
9100050	GC-007	100	24
9100056	CE-743	100	22
9100057	CL-201	250	22
9100058	CE-754	100	22
9100059	CE-755	500	22
9100060	CE-860	100	22
9100061	CE-756	100	22
9100062	CE-757	500	22
9100063	CE-150	100	22
9100064	CE-140	100	22
9100068	CE-763	100	22
9110000	DAM-504	1	18
9120011	RS-275	10	23, 25
9120027	LF-001	3	24
9120030	PF-230	24	6
9120039	CM-004	100	23
9120064	PU-101	12	39
9120094	CD-113	1	39
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9130015	MU-610	1	29
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	MB-118	9130193	1	30
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	MB-204	9130071	1	30
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	ML-205	9130097	1	30
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