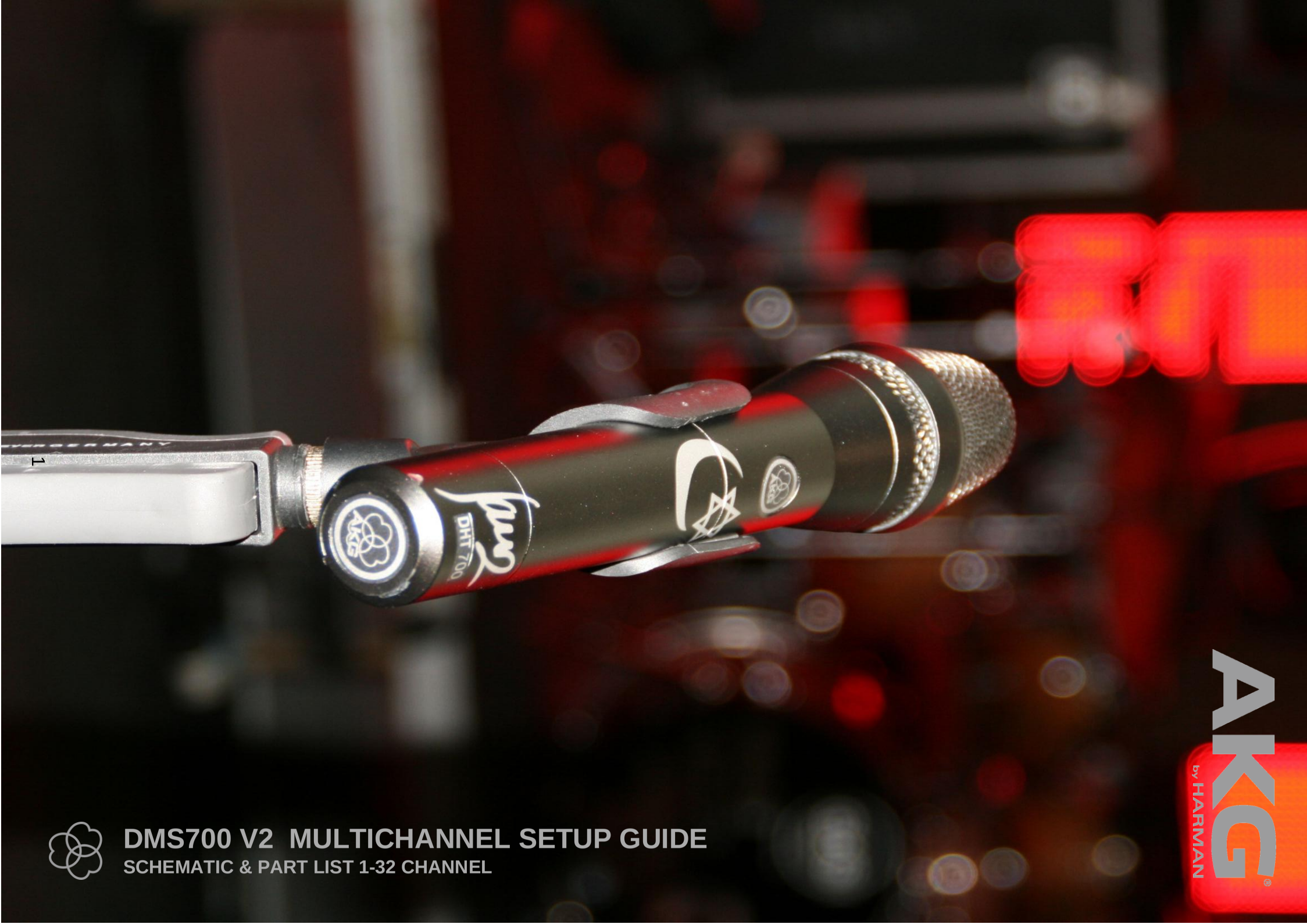


DMS700 V2 MULTICHANNEL SETUP GUIDE

SCHEMATIC & PART LIST 1-32 CHANNEL

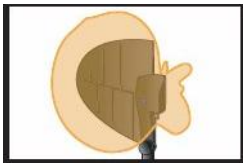
AKG by HARMAN

Introduction

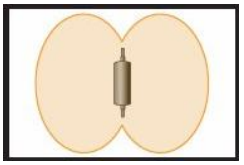
The following schematics will help you to easily set up multi channel systems.
Please use the equipment that is specified in the schematics only.
For your convenience and understanding, we've added technical information and part lists. You can use this part lists when ordering the system you require! If you need any help regarding the frequency regulations or if your particular situation doesn't allow the installation of a standard system, please do not hesitate to contact us at sales@akg.com.

All the DMS700 Systems in this document are designed with active antennas that can used in all venues with a 20m RG58 antenna cable.

SRA2 B/W active directional antenna
For venues (tour sound &installs) cover a large area (up to 150m, 500ft) like music halls, stadiums and other open air applications.



RA4000 B/W active omni-directional antenna
For venues without a designated transmitter area and up to 100m/330ft (free viewing direction). Ideal for conference rooms, multi purpose halls, houses of worship etc.



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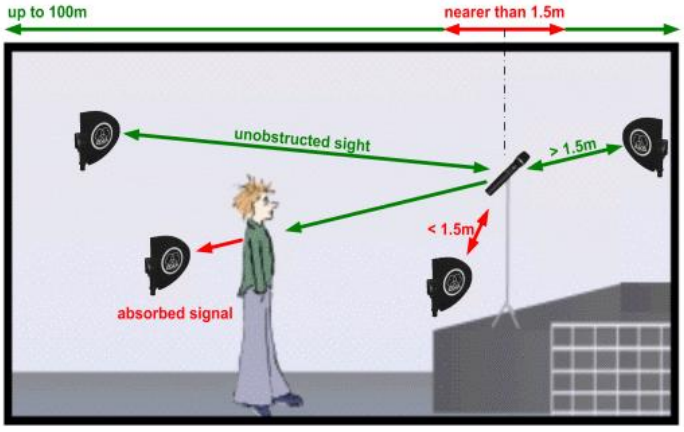
Technical Information

Wireless Basics

- Every wireless microphone system has to operate on **one** specific frequency
- Transmitter and receiver of a system need to work on the **same** frequency
- Two transmitters **cannot** be used with the same frequency at the same time

Receiver/Antenna Placement

- Direct line of sight between transmitter and receiver antenna
- Keep the receiver/antennas at least 5 ft. (1.5 m) away from all transmitters
- Keep the receiver antennas at least 5 ft. (1.5 m) away from any big metal object, wire (particularly wire mesh) or sheet metal structures, walls, ceilings, etc.
- Do not place the antennas in closed areas (behind walls)
- Place the receiver at least 5 ft. (1.5 m) away from any equipment that may emit RF radiation such as lighting racks, fluorescent lamps, digital effect units, or PCs



Squelch

- DMS 700 has a variable squelch level. This level depends on the RF-environment and is adjusted automaticaly in order to ensure best quality in the range of operating.
  - The audio turns on only in the presence of an DMS700 transmitter with the correct encryption key and an adequate signal quality
  - If received signal has a bad quality or can not decrypted the audio output is muted

Intermodulation

Intermodulation is the result of two or more signals of different frequencies being mixed together, forming additional signals that are not harmonic frequencies of either.

By using more than one transmitter simultaneously at the same location, intermodulation happens in the receiver and/or transmitter. These intermodulation products are generated in the bandwidth that you are using.

To avoid intermodulating frequencies, we offer pre-calculated frequencies as presets in the DSR700 Receiver. Please, make sure that when setting up a multi channel system, all your receivers are set to the same country preset (NAME) and group. Use the Quick Setup (automatic setup) to scan for free frequencies in your venue.

HUB 4000 Q

The HUB 4000 Q adds HiQnet functionality to an AKG wireless system (DSR 700, SR 4500, SST 4 and upcoming devices are supported). For large wireless systems multiple HUB 4000 Q's can be used and controlled from a single computer. With connecting the HUB 4000 Q to a HiQnet network the user is able to monitor and control an AKG wireless system from a computer running System Architect.

HiQnet System Architect

The simple and easy to use user interface of the HUB 4000 Q plug in within System Architect allows the user to setup and configure the wireless system easy and fast with tools like Auto Setup, Environment Scan, RF Monitor and Device Manager.

HiQnet System Architect also allows custom configuration of custom made user interfaces which makes it a perfect tool for installed sound and tour sound applications.

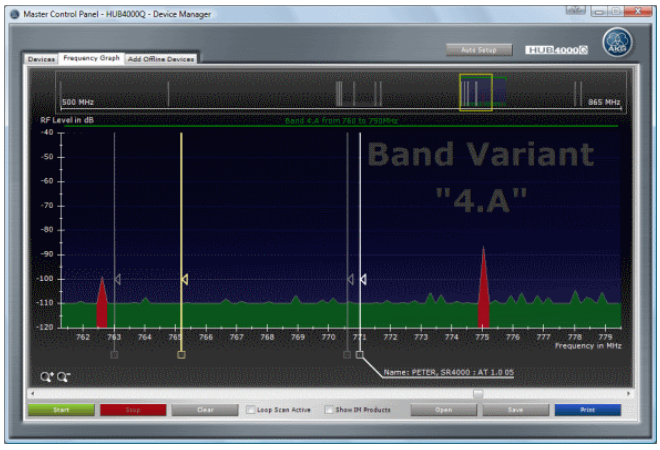
Today's HiQnet system is built from flagship products from Harman Pro brands AKG Acoustics, BSS Audio, Crown International, dbx Professional, JBL Professional, Lexicon Pro, Soundcraft and Studer.

AKG User Interface

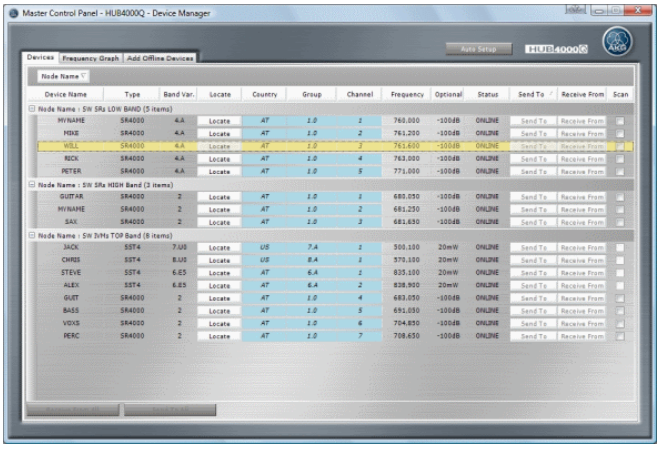
Features

- automatic identification of all HUB4000Q's
- Simple and easy to use channel-oriented user interface
- Fast and intuitive setup and configuration of frequency management with **1-Click Setup**, Enviroment Scan and Device Manager
- Offline configuration
- Save and load your setup

Enviroment Scan - Frequency Graph



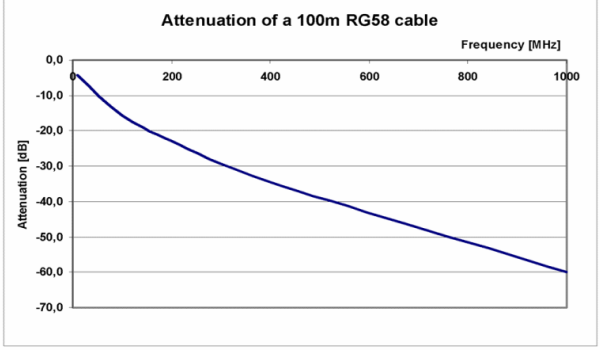
Device Manager – Frequency Management



Cable Attenuation

To obtain the best sound possible, you need to have the right RF input level throughout your signal chain. Premium quality wireless systems like the DMS700, offer you adjustable RF-level settings that garantee to maximise operating distance even when using different cable lenghts and different types of cable! For this purpose, AKG's PS4000W antenna splitter, has 3 dip switches that you'll find on the right side of it's front panel, behind the AKG logo.

RG58 Cable Attenuation (MKPS, MKA5, MKA20 antenna cable)

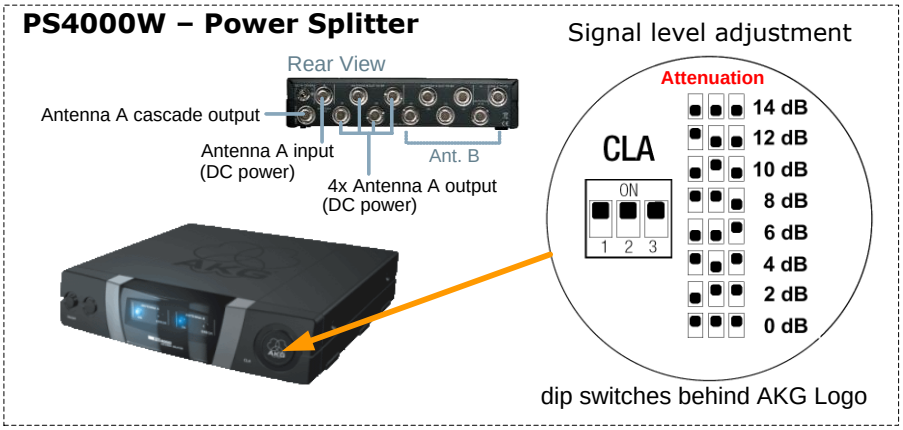


frequency	Dämpfung	Dämpfung
MHz	dB/100m	dB/1m
650	-45,13	-0,45
700	-47,25	-0,47
750	-49,38	-0,49
800	-51,50	-0,52
850	-53,63	-0,54

~50dB/100m

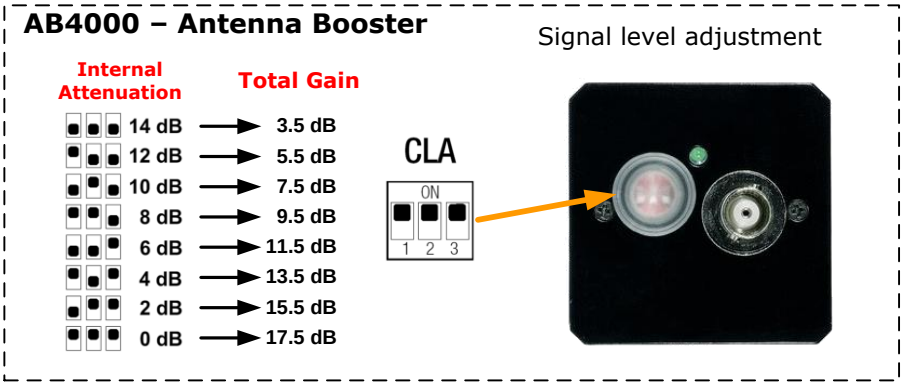
PS4000 dip switch

These switches reduce the input RF level of the antenna input between 0 dB and 14 dB. Levels of all antenna outputs and the cascade (link) output will be reduced.



AB4000 dip switch

The AB4000 has a fix 17.5dB amplifier in the output stage. The dip switches reduce the input RF level of the AB4000 from 0 dB and -14 dB. AB4000 gets the DC power from the PS4000W or an ASU4000 unit via the antenna cable



PS4000 W dip switch matrix (RG58 cable)

Antenna type & Gain / Cable type & Length	Passiv Antennas			Active Antennas	
	¼ wave UHF Antenna 0 dB	RA4000 W 1 dB	SRA2 W 4-6 dB	RA4000 BW 17 dB	SRA2 BW 21.5 dB
MKPS 0.65m / 2ft	0 dB	0 dB	-4 dB		
MKA 5 5m / 16ft	0 dB	0 dB	-2 dB		
MKA 20 20m / 66ft				-8 dB	-12 dB
MKA 5 + MKA 20 25m / 82ft				-6 dB	-10 dB
2x MKA 20 40m / 132ft				0 dB	-2 dB
3x MKA 20 60m / 198ft Antenna Booster AB4000 necessary !				RA4000 BW 2x MKA 20 AB4000 0 dB 1x MKA 20 PS4000 -4 dB	SRA2 BW 2x MKA 20 AB4000 0 dB 1x MKA 20 PS4000 -8 dB
4x MKA 20 80m / 264ft Antenna Booster AB4000 necessary !				RA4000 BW 2x MKA 20 AB4000 0 dB 2x MKA 20 PS4000 0 dB	SRA2 BW 2x MKA 20 AB4000 0 dB 2x MKA 20 PS4000 0 dB

You have to use these PS4000 W dip switch settings for all PS4000 W **directly connected to antennas**.

All PS4000 W connected to a PS4000 W link output (cascade) have dip switch setting ON/ON/ON (0dB)

DMS700 V2
01 / 2012

DMS700 Component Matrix

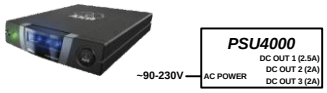
DMS700 Channel	DMS Receiver	2x Antennas (e.g. SRA2 B/W or RA4000 B/W) 2x MKA 20 (see PS4000W dip switch matrix) plus...							
		Antenna Components			Power Supplies		PC Monitoring with System Architect		
		PS4000	ZAPD-21	MKPS	PSU4000	AC12 2000mA	HUB4000Q	PSU4000	AC12 500mA
4	2	1	0	4	0	1	1	0	1
6	3	1	0	6	0	1	1	0	1
8	4	1	0	8	0	1	1	0	1
10	5	1	0	10	0	1	1	0	1
12	6	2	0	14	0	2	1	0	1
14	7	2	0	16	0	2	1	0	1
16	8	2	0	18	0	2	1	0	1
18	9	2	0	20	0	2	2	0	2
20	10	3	0	24	1	0	2	0	2
22	11	3	0	26	1	0	2	0	2
24	12	3	0	28	1	0	2	0	2
26	13	3	0	30	1	0	2	0	2
28	14	4	2	36	2	0	2	0	0
30	15	4	2	38	2	0	2	0	0
32	16	4	2	40	2	0	2	0	0
36	18	4	2	44	2	0	3	0	1
40	20	5	2	54	2	0	3	0	2
48	24	6	2	64	2	0	3	1	0

Glossar

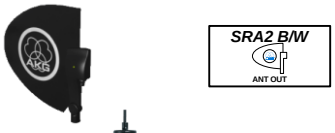
DSR700 – DMS700 Stationary Receiver

PS4000W – Power Splitter 1:4 (Distribute RF signal and DC Power)

- Splits 1 antenna to 4 receiver
- Antenna cascade(Link) output to send RF-Signal to next PS4000.
  Cascade max. 3 PS4000.
  If you need more than 12 channels use an ZAPD in front of the first PS4000.



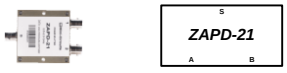
PSU4000 – Power Supply Unit with 3x 12 volt outputs (2.5A and 2A)



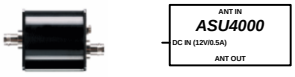
SRA2 B/W – Active Directional Antenna (21.5 dB Gain)

RA4000 B/W – Active Omni-directional Antenna (17 dB Gain)

CU700 – Charging Unit for DHT700 or DPT700 (2 transmitter / unit)

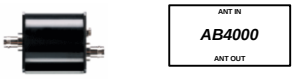


ZAPD-21 – Passive Combiner 2:1 and 1:2



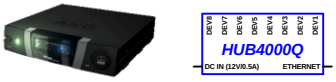
ASU4000 – Antenna Supply Unit

- Supplies up to three active elements (RA4000BW, SRA2BW, AB4000)



AB4000 – Antenna Booster

- 3.5 dB – 17.5 dB amplifier



HUB4000Q – Network Concentrator for 8 devices (DSR700, SR4000, SR4500 or SST4)

- Operate with Harman „System Architect“ software - http://hiqnet.harmanpro.com

Cable

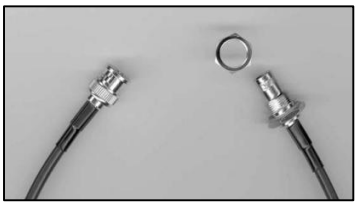
MKPS – 0.65m/2 feet RG58 antenna cable

MKA5 – 5m/16ft RG58 antenna cable

MKA20 – 20/66ft RG58 antenna cable

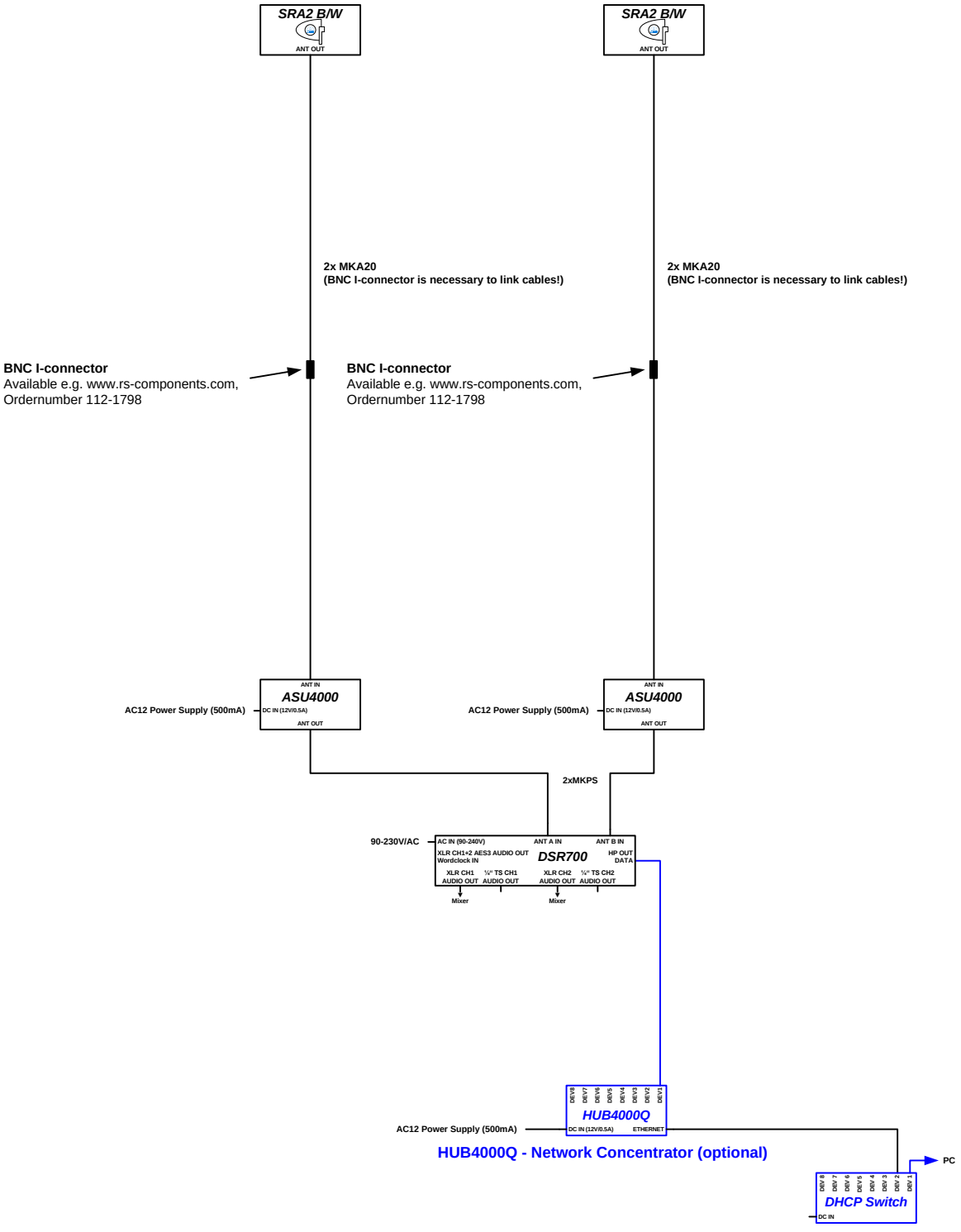
0110E01890 – Front mount cable

- Install ¼ wave antennas at the front of the rack

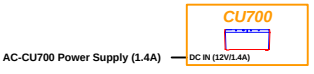


Front mount cable & ¼ wave antenna

2 Channel DMS700 System
With directional antennas & 40m antenna cable (132 feet)



2 DHT700 or DPT700 charging system (optional)



Date	23.01.2012	Revision	1.0
Designer	Wolfgang Fritz	Ref.No.	MCS0802001
Project	2 channel DMS700 system (SRA2 B/W – Antennas)		

2 Channel DMS700 System with directional antennas

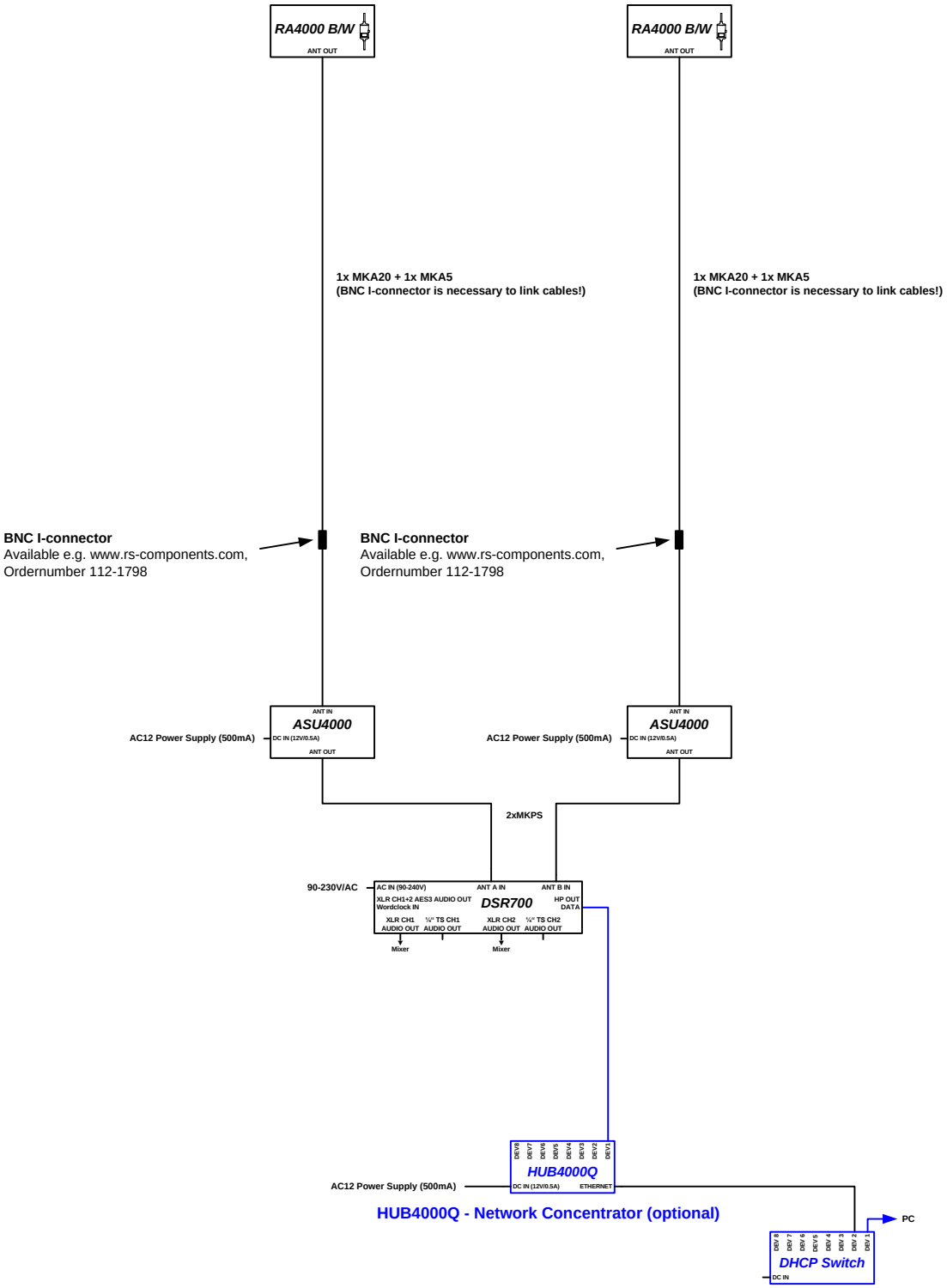
units	description	comment
1	DSR700	19"-rack receiver, internal power supply; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); 2 UHF antennas; 1 IEC cable US, 1 IEC cable EU
2	DHT700 or DPT700	Hand-held transmitter or Bodypack transmitter; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); stand adapter or belt clip; 2 AA size dry batteries, Colour Coding Kit and Windscreen
2	ASU4000 (BNC/none)	Antenna Supply unit for long antenna cables (BNC connector) without AC-Adapter
2	AC12 500mA EU/US/UK	12V AC-Adapter for 1 ASU4000, AB4000, HUB4000 Q, SR450/470 or SR4500.
2	MK PS	Connecting cable for PS to SR 2.15ft (65cm)
2	SRA2 B/W	External directional active "paddle" antenna with amplifier (2 req.)
4	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	BNC I-connector	**EXTERNAL !! Not available at AKG** - BNC I-Connector (you can buy it at www.rs-components.com, Ordernumber 112-1798)

Optional Components (Charging System & PC Control System)

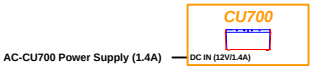
units	description	comment
1	CU700	Twin charger + 2 AA size rechargeable batteries for DHT 700 or DPT 700 transmitter; with AC Adapter
1	HUB4000 Q / none	Network concentrator without AC-Adapter; of 8 systems
1	AC12 500mA EU/US/UK	12V AC-Adapter for 1 ASU4000, AB4000, HUB4000 Q, SR450/470 or SR4500.
1	DHCP Net Switch + CAT5 Cable	**EXTERNAL !! Not available at AKG** - for 4 input to 1 output (e.g. D-Link)

Do not forget microphone head, headset or other microphone !!
DPT 700: e.g. C555L, C520ML, C516ML, C518ML, C519ML, HC577 WR-L, CK77 WR-L, CK99L, C411L, C417L

2 Channel DMS700 System
with omni-directional antennas & 25m antenna cable (82 feet)



2 DHT700 or DPT700 charging system (optional)



Date	23.01.2012	Revision	1.0
Designer	Wolfgang Fritz	Ref.No.	MCS0802001
Project	2 channel DMS700 system (RA4000 B/W – Antennas)		

2 Channel DMS700 System with omni-directional antennas

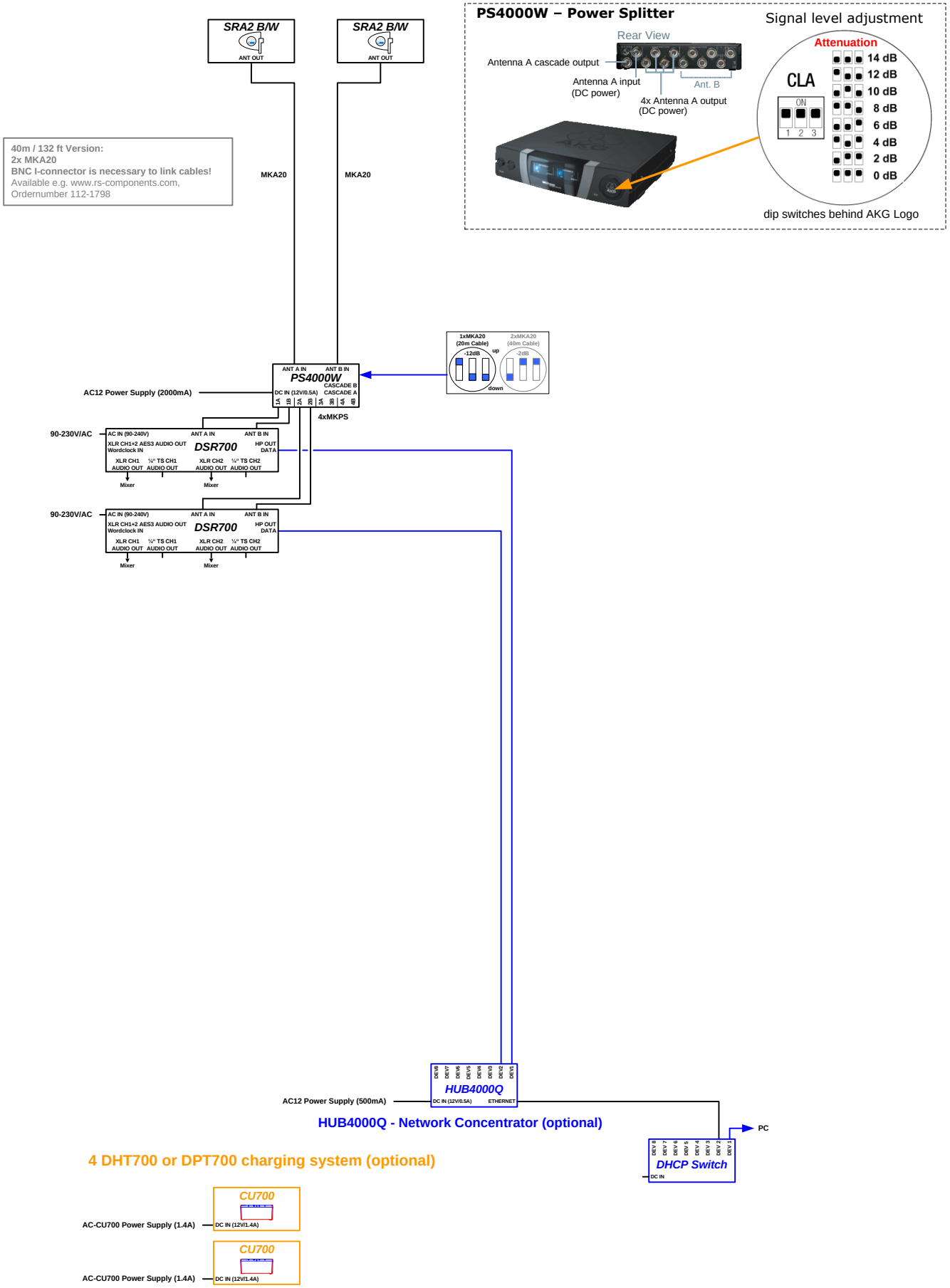
units	description	comment
1	DSR700	19"-rack receiver, internal power supply; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); 2 UHF antennas; 1 IEC cable US, 1 IEC cable EU
2	DHT700 or DPT700	Hand-held transmitter or Bodypack transmitter; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); stand adapter or belt clip; 2 AA size dry batteries, Colour Coding Kit and Windscreen
2	ASU4000 (BNC/none)	Antenna Supply unit for long antenna cables (BNC connector) without AC-Adapter
2	AC12 500mA EU/US/UK	12V AC-Adapter for 1 ASU4000, AB4000, HUB4000 Q, SR450/470 or SR4500.
2	MK PS	Connecting cable for PS to SR 2.15ft (65cm)
2	MKA 5	16.5 ft. (5m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	RA4000 B/W	External omni-directional active dipoleantenna with amplifier (2 req.)
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	BNC I-connector	**EXTERNAL !! Not available at AKG** - BNC I-Connector (you can buy it at www.rs-components.com, Ordernumber 112-1798)

Optional Components (Charging System & PC Control System)

units	description	comment
1	CU700	Twin charger + 2 AA size rechargeable batteries for DHT 700 or DPT 700 transmitter; with AC Adapter
1	HUB4000 Q / none	Network concentrator without AC-Adapter; of 8 systems
1	AC12 500mA EU/US/UK	12V AC-Adapter for 1 ASU4000, AB4000, HUB4000 Q, SR450/470 or SR4500.
1	DHCP Net Switch + CAT5 Cable	**EXTERNAL !! Not available at AKG** - for 4 input to 1 output (e.g. D-Link)

Do not forget microphone head, headset or other microphone !!
DPT 700: e.g. C555L, C520ML, C516ML, C518ML, C519ML, HC577 WR-L, CK77 WR-L, CK99L, C411L, C417L

4 Channel DMS700 System
with directional antennas & 20(40)m antenna cable (66 or 132 feet)



Date	23.01.2012	Revision	1.0
Designer	Wolfgang Fritz	Ref.No.	MCS0802001
Project	4 channel DMS700 system (SRA2 B/W – Antennas)		

4 Channel DMS700 System with directional antennas

units	description	comment
2	DSR700	19"-rack receiver, internal power supply; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); 2 UHF antennas; 1 IEC cable US, 1 IEC cable EU
4	DHT700 or DPT700	Hand-held transmitter or Bodypack transmitter; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); stand adapter or belt clip; 2 AA size dry batteries, Colour Coding Kit and Windscreen
1	PS4000W	Wide band antenna multi coupler (4+1 out) without AC-Adapter
1	AC12 2000mA EU/US/UK	12V AC-Adapter power supply PS4000W, CU700, CU4000 (you can also use a PSU4000
4	MK PS	Connecting cable for PS to SR 2.15ft (65cm)
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	SRA2 B/W	External directional active "paddle" antenna with amplifier (2 req.)
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58

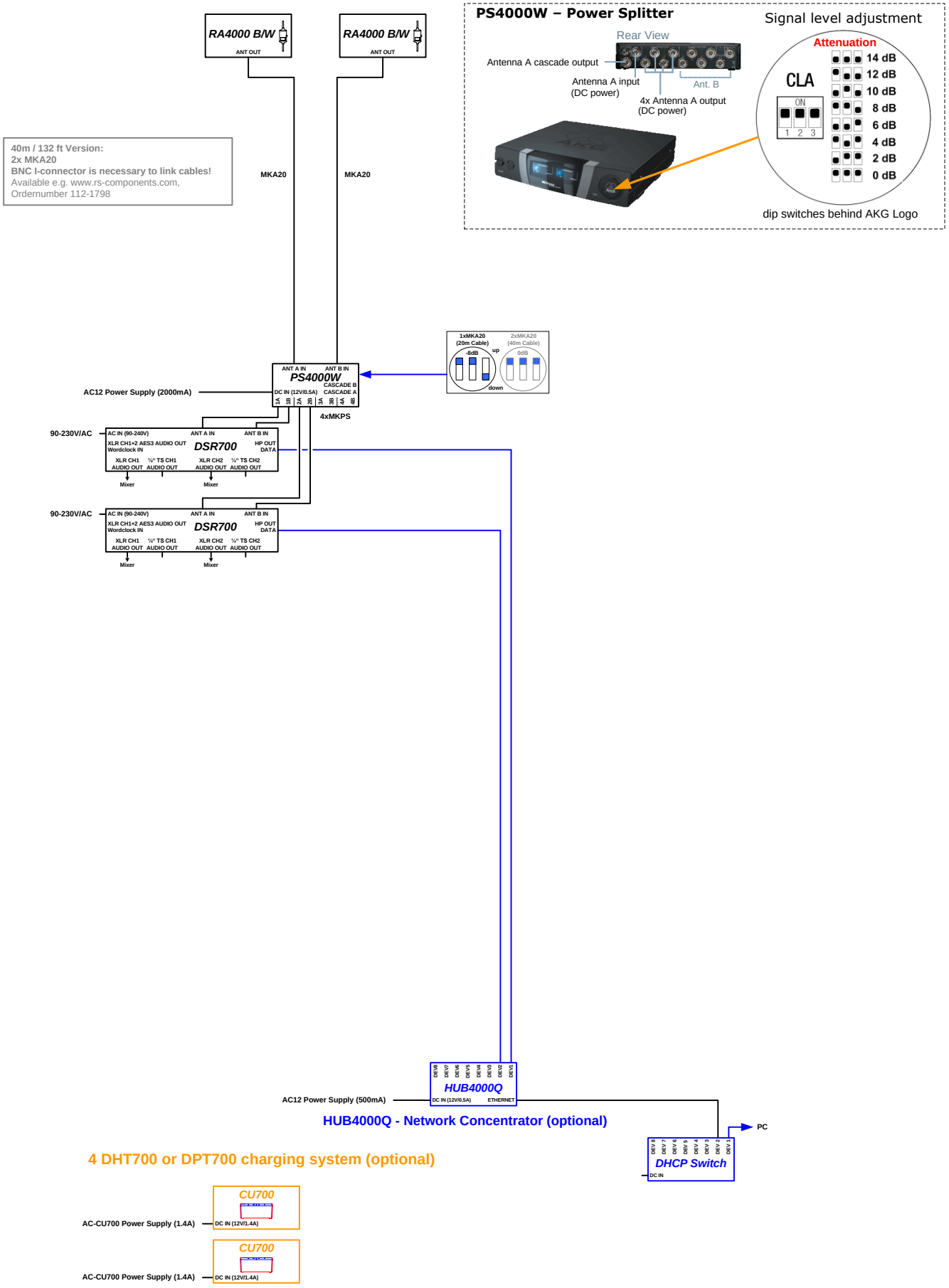
Additional parts for 40m(132feet) Antenna Cable		
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	BNC I-connector	**EXTERNAL !! Not available at AKG** - BNC I-Connector (you can buy it at www.rs-components.com, Ordernumber 112-1798)

Optional Components (Charging System & PC Control System)

units	description	comment
2	CU700	Twin charger + 2 AA size rechargeable batteries for DHT 700 or DPT 700 transmitter; with AC Adapter
1	HUB4000 Q / none	Network concentrator without AC-Adapter; of 8 systems
1	AC12 500mA EU/US/UK	12V AC-Adapter for 1 ASU4000, AB4000, HUB4000 Q, SR450/470 or SR4500.
1	DHCP Net Switch + CAT5 Cable	**EXTERNAL !! Not available at AKG** - for 4 input to 1 output (e.g. D-Link)

Do not forget microphone head, headset or other microphone !!
DPT 700: e.g. C555L, C520ML, C516ML, C518ML, C519ML, HC577 WR-L, CK77 WR-L, CK99L, C411L, C417L

4 Channel DMS700 System
with omni-directional antennas & 20(40)m antenna cable (66 or 132 feet)



Date	23.01.2012	Revision	1.0
Designer	Wolfgang Fritz	Ref.No.	MCS0802001
Project	4 channel DMS700 system (RA4000 B/W – Antennas)		

4 Channel DMS700 System with omni-directional antennas

units	description	comment
2	DSR700	19"-rack receiver, internal power supply; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); 2 UHF antennas; 1 IEC cable US, 1 IEC cable EU
4	DHT700 or DPT700	Hand-held transmitter or Bodypack transmitter; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); stand adapter or belt clip; 2 AA size dry batteries, Colour Coding Kit and Windscreen
1	PS4000W	Wide band antenna multi coupler (4+1 out) without AC-Adapter
1	AC12 2000mA EU/US/UK	12V AC-Adapter power supply PS4000W, CU700, CU4000 (you can also use a PSU4000
4	MK PS	Connecting cable for PS to SR 2.15ft (65cm)
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	RA4000 B/W	External omni-directional active dipoleantenna with amplifier (2 req.)
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58

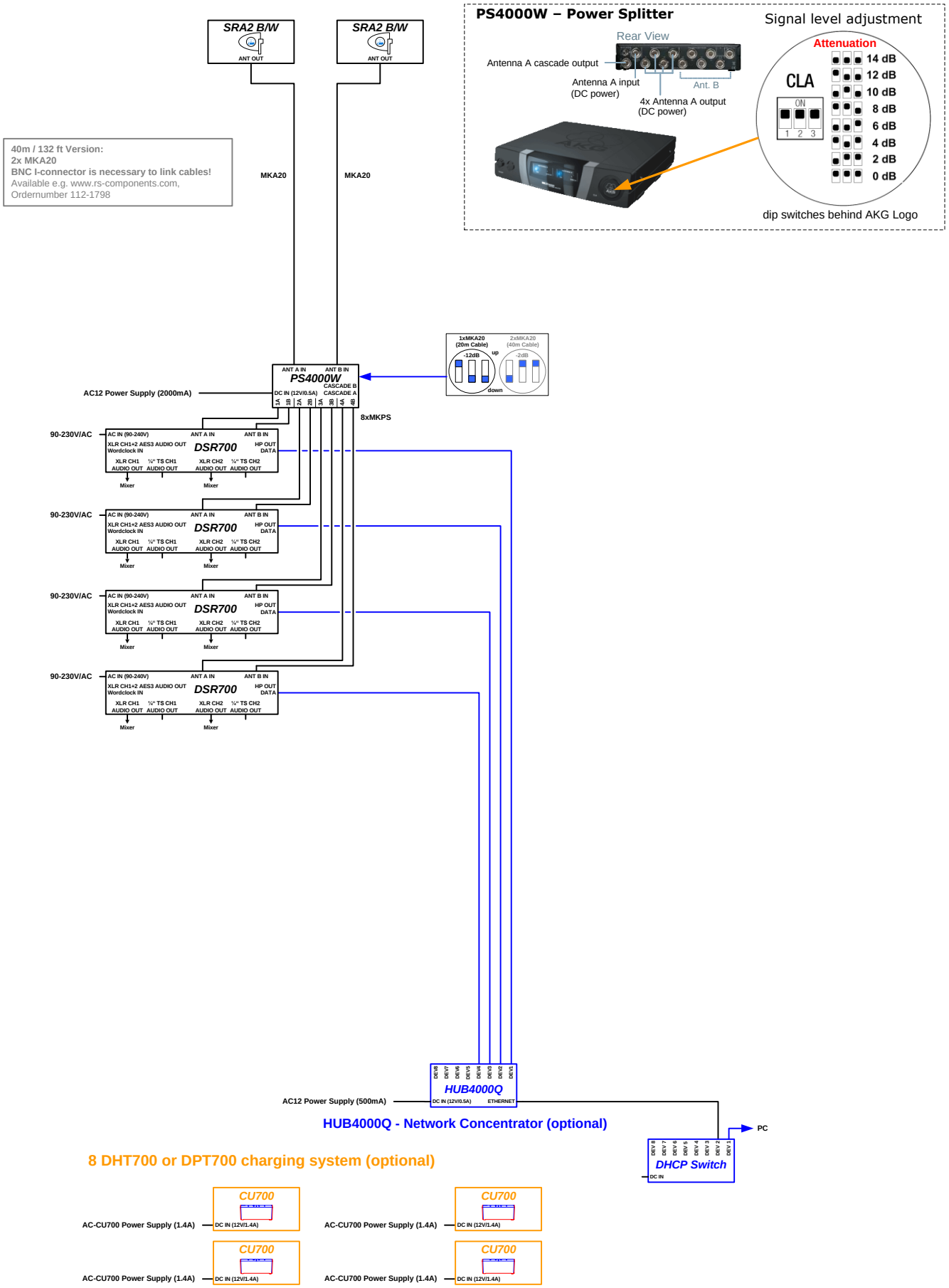
Additional parts for 40m(132feet) Antenna Cable		
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	BNC I-connector	**EXTERNAL !! Not available at AKG** - BNC I-Connector (you can buy it at www.rs-components.com, Ordernumber 112-1798)

Optional Components (Charging System & PC Control System)

units	description	comment
2	CU700	Twin charger + 2 AA size rechargeable batteries for DHT 700 or DPT 700 transmitter; with AC Adapter
1	PSU4000	Central Power supply unit for powering up to 1 HUB4000 Q, CU700, CU4000 or up to 12
1	AC12 500mA EU/US/UK	12V AC-Adapter for 1 ASU4000, AB4000, HUB4000 Q, SR450/470 or SR4500.
1	DHCP Net Switch + CAT5 Cable	**EXTERNAL !! Not available at AKG** - for 4 input to 1 output (e.g. D-Link)

Do not forget microphone head, headset or other microphone !!
DPT 700: e.g. C555L, C520ML, C516ML, C518ML, C519ML, HC577 WR-L, CK77 WR-L, CK99L, C411L, C417L

8 Channel DMS700 System
with directional antennas & 20(40)m antenna cable (66 or 132 feet)



Date	23.01.2012	Revision	1.0
Designer	Wolfgang Fritz	Ref.No.	MCS0802001
Project	8 channel DMS700 system (SRA2 B/W – Antennas)		

8 Channel DMS700 System with directional antennas

units	description	comment
4	DSR700	19"-rack receiver, internal power supply; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); 2 UHF antennas; 1 IEC cable US, 1 IEC cable EU
8	DHT700 or DPT700	Hand-held transmitter or Bodypack transmitter; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); stand adapter or belt clip; 2 AA size dry batteries, Colour Coding Kit and Windscreen
1	PS4000W	Wide band antenna multi coupler (4+1 out) without AC-Adapter
1	AC12 2000mA EU/US/UK	12V AC-Adapter power supply PS4000W, CU700, CU4000 (you can also use a PSU4000
8	MK PS	Connecting cable for PS to SR 2.15ft (65cm)
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	SRA2 B/W	External directional active "paddle" antenna with amplifier (2 req.)
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58

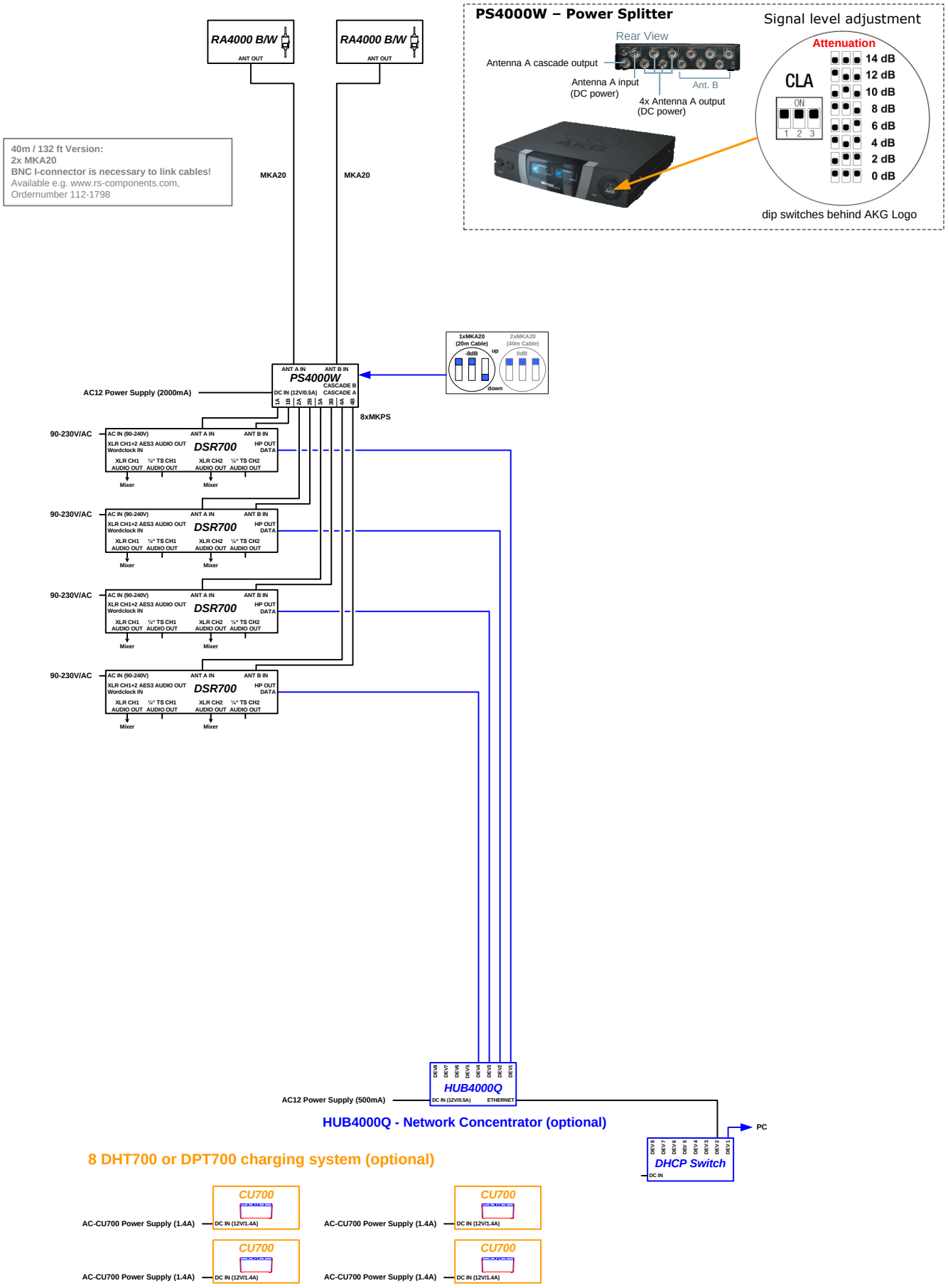
Additional parts for 40m(132feet) Antenna Cable		
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	BNC I-connector	**EXTERNAL !! Not available at AKG** - BNC I-Connector

Optional Components (Charging System & PC Control System)

units	description	comment
4	CU700	Twin charger + 2 AA size rechargeable batteries for DHT 700 or DPT 700 transmitter; with AC Adapter
1	HUB4000 Q / none	Network concentrator without AC-Adapter; of 8 systems
1	AC12 500mA EU/US/UK	12V AC-Adapter for 1 ASU4000, AB4000, HUB4000 Q, SR450/470 or SR4500.
1	DHCP Net Switch + CAT5 Cable	**EXTERNAL !! Not available at AKG** - for 4 input to 1 output (e.g. D-Link)

Do not forget microphone head, headset or other microphone !!
DPT 700: e.g. C555L, C520ML, C516ML, C518ML, C519ML, HC577 WR-L, CK77 WR-L, CK99L, C411L, C417L

8 Channel DMS700 System
with omni-directional antennas & 20(40)m antenna cable (66 or 132 feet)



Date	23.01.2012	Revision	1.0
Designer	Wolfgang Fritz	Ref.No.	MCS0802001
Project	8 channel DMS700 system (RA4000 B/W – Antennas)		

8 Channel DMS700 System with omni-directional antennas

units	description	comment
4	DSR700	19"-rack receiver, internal power supply; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); 2 UHF antennas; 1 IEC cable US, 1 IEC cable EU
8	DHT700 or DPT700	Hand-held transmitter or Bodypack transmitter; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); stand adapter or belt clip; 2 AA size dry batteries, Colour Coding Kit and Windscreen
1	PS4000W	Wide band antenna multi coupler (4+1 out) without AC-Adapter
1	AC12 2000mA EU/US/UK	12V AC-Adapter power supply PS4000W, CU700, CU4000 (you can also use a PSU4000
8	MK PS	Connecting cable for PS to SR 2.15ft (65cm)
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	RA4000 B/W	External omni-directional active dipoleantenna with amplifier (2 req.)
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58

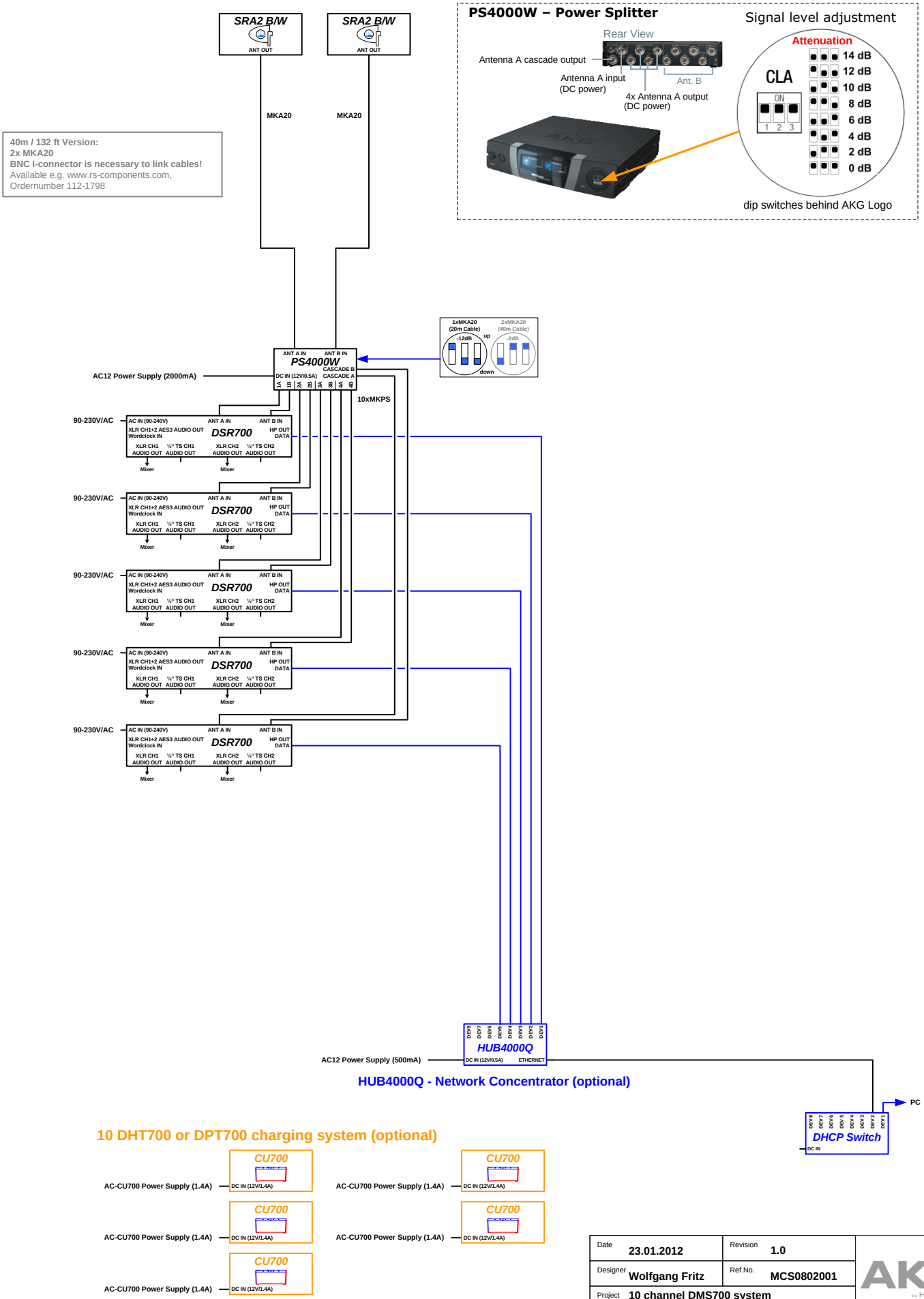
Additional parts for 40m(132feet) Antenna Cable		
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	BNC I-connector	**EXTERNAL !! Not available at AKG** - BNC I-Connector (you can buy it at www.rs-components.com, Ordernumber 112-1798)

Optional Components (Charging System & PC Control System)

units	description	comment
4	CU700	Twin charger + 2 AA size rechargeable batteries for DHT 700 or DPT 700 transmitter; with AC Adapter
1	HUB4000 Q / none	Network concentrator without AC-Adapter; of 8 systems
1	AC12 500mA EU/US/UK	12V AC-Adapter for 1 ASU4000, AB4000, HUB4000 Q, SR450/470 or SR4500.
1	DHCP Net Switch + CAT5 Cable	**EXTERNAL !! Not available at AKG** - for 4 input to 1 output (e.g. D-Link)

Do not forget microphone head, headset or other microphone !!
DPT 700: e.g. C555L, C520ML, C516ML, C518ML, C519ML, HC577 WR-L, CK77 WR-L, CK99L, C411L, C417L

10 Channel DMS700 System
with directional antennas & 20(40)m antenna cable (66 or 132 feet)



Date	23.01.2012	Revision	1.0
Designer	Wolfgang Fritz	Ref.No.	MCS0802001
Project	10 channel DMS700 system (SRA2 B/W – Antennas)		

10 Channel DMS700 System with directional antennas

units	description	comment
5	DSR700	19"-rack receiver, internal power supply; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); 2 UHF antennas; 1 IEC cable US, 1 IEC cable EU
10	DHT700 or DPT700	Hand-held transmitter or Bodypack transmitter; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); stand adapter or belt clip; 2 AA size dry batteries, Colour Coding Kit and Windscreen
1	PS4000W	Wide band antenna multi coupler (4+1 out) without AC-Adapter
1	AC12 2000mA EU/US/UK	12V AC-Adapter power supply PS4000W, CU700, CU4000 (you can also use a PSU4000
10	MK PS	Connecting cable for PS to SR 2.15ft (65cm)
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	SRA2 B/W	External directional active "paddle" antenna with amplifier (2 req.)
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58

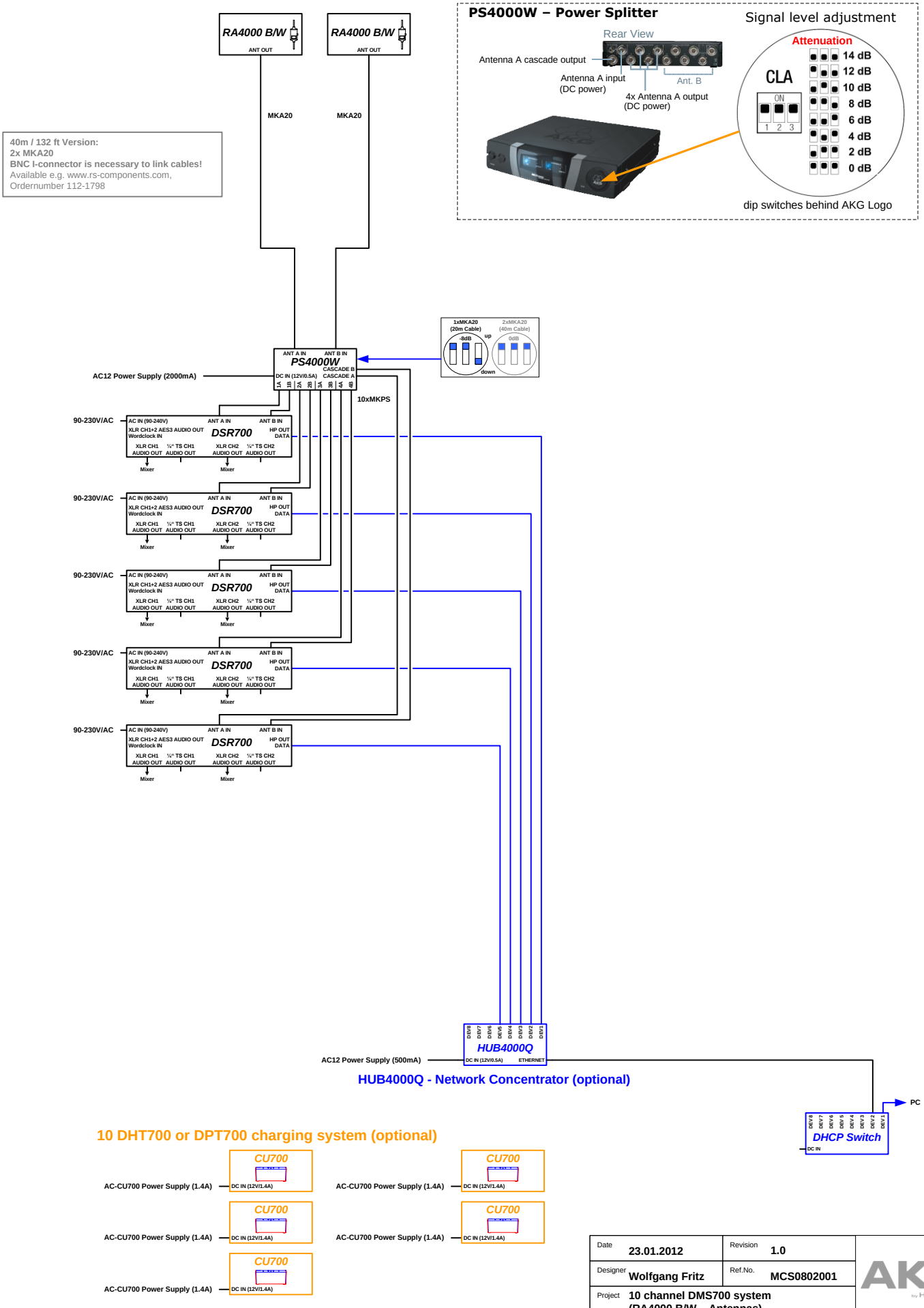
Additional parts for 40m(132feet) Antenna Cable		
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	BNC I-connector	**EXTERNAL !! Not available at AKG** - BNC I-Connector (you can buy it at www.rs-components.com, Ordernumber 112-1798)

Optional Components (Charging System & PC Control System)

units	description	comment
5	CU700	Twin charger + 2 AA size rechargeable batteries for DHT 700 or DPT 700 transmitter; with AC Adapter
1	HUB4000 Q / none	Network concentrator without AC-Adapter; of 8 systems
1	AC12 500mA EU/US/UK	12V AC-Adapter for 1 ASU4000, AB4000, HUB4000 Q, SR450/470 or SR4500.
1	DHCP Net Switch + CAT5 Cable	**EXTERNAL !! Not available at AKG** - for 4 input to 1 output (e.g. D-Link)

Do not forget microphone head, headset or other microphone !!
DPT 700: e.g. C555L, C520ML, C516ML, C518ML, C519ML, HC577 WR-L, CK77 WR-L, CK99L, C411L, C417L

10 Channel DMS700 System
with omni-directional antennas & 20(40)m antenna cable (66 or 132 feet)



Date	23.01.2012	Revision	1.0
Designer	Wolfgang Fritz	Ref.No.	MCS0802001
Project	10 channel DMS700 system (RA4000 B/W – Antennas)		

10 Channel DMS700 System with omni-directional antennas

units	description	comment
5	DSR700	19"-rack receiver, internal power supply; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); 2 UHF antennas; 1 IEC cable US, 1 IEC cable EU
10	DHT700 or DPT700	Hand-held transmitter or Bodypack transmitter; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); stand adapter or belt clip; 2 AA size dry batteries, Colour Coding Kit and Windscreen
1	PS4000W	Wide band antenna multi coupler (4+1 out) without AC-Adapter
1	AC12 2000mA EU/US/UK	12V AC-Adapter power supply PS4000W, CU700, CU4000 (you can also use a PSU4000
10	MK PS	Connecting cable for PS to SR 2.15ft (65cm)
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	RA4000 B/W	External omni-directional active dipoleantenna with amplifier (2 req.)
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58

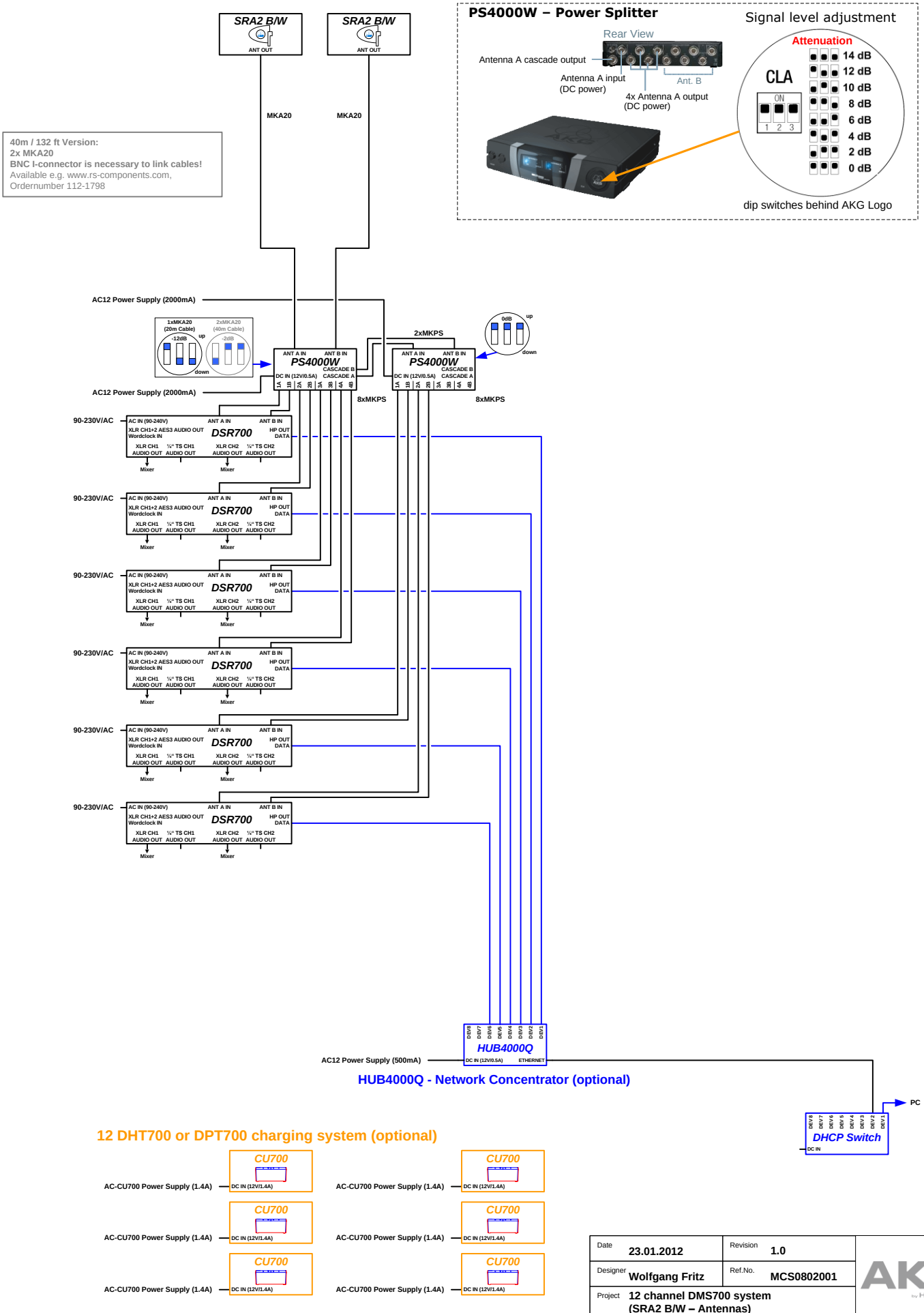
Additional parts for 40m(132feet) Antenna Cable		
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	BNC I-connector	**EXTERNAL !! Not available at AKG** - BNC I-Connector (you can buy it at www.rs-components.com, Ordernumber 112-1798)

Optional Components (Charging System & PC Control System)

units	description	comment
5	CU700	Twin charger + 2 AA size rechargeable batteries for DHT 700 or DPT 700 transmitter; with AC Adapter
1	HUB4000 Q / none	Network concentrator without AC-Adapter; of 8 systems
1	AC12 500mA EU/US/UK	12V AC-Adapter for 1 ASU4000, AB4000, HUB4000 Q, SR450/470 or SR4500.
1	DHCP Net Switch + CAT5 Cable	**EXTERNAL !! Not available at AKG** - for 4 input to 1 output (e.g. D-Link)

Do not forget microphone head, headset or other microphone !!
DPT 700: e.g. C555L, C520ML, C516ML, C518ML, C519ML, HC577 WR-L, CK77 WR-L, CK99L, C411L, C417L

12 Channel DMS700 System
with directional antennas & 20(40)m antenna cable (66 or 132 feet)



Date	23.01.2012	Revision	1.0
Designer	Wolfgang Fritz	Ref.No.	MCS0802001
Project	12 channel DMS700 system (SRA2 B/W – Antennas)		

12 Channel DMS700 System with directional antennas

units	description	comment
6	DSR700	19"-rack receiver, internal power supply; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); 2 UHF antennas; 1 IEC cable US, 1 IEC cable EU
12	DHT700 or DPT700	Hand-held transmitter or Bodypack transmitter; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); stand adapter or belt clip; 2 AA size dry batteries, Colour Coding Kit and Windscreen
2	PS4000W	Wide band antenna multi coupler (4+1 out) without AC-Adapter
2	AC12 2000mA EU/US/UK	12V AC-Adapter power supply PS4000W, CU700, CU4000 (you can also use a PSU4000
14	MK PS	Connecting cable for PS to SR 2.15ft (65cm)
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	SRA2 B/W	External directional active "paddle" antenna with amplifier (2 req.)
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58

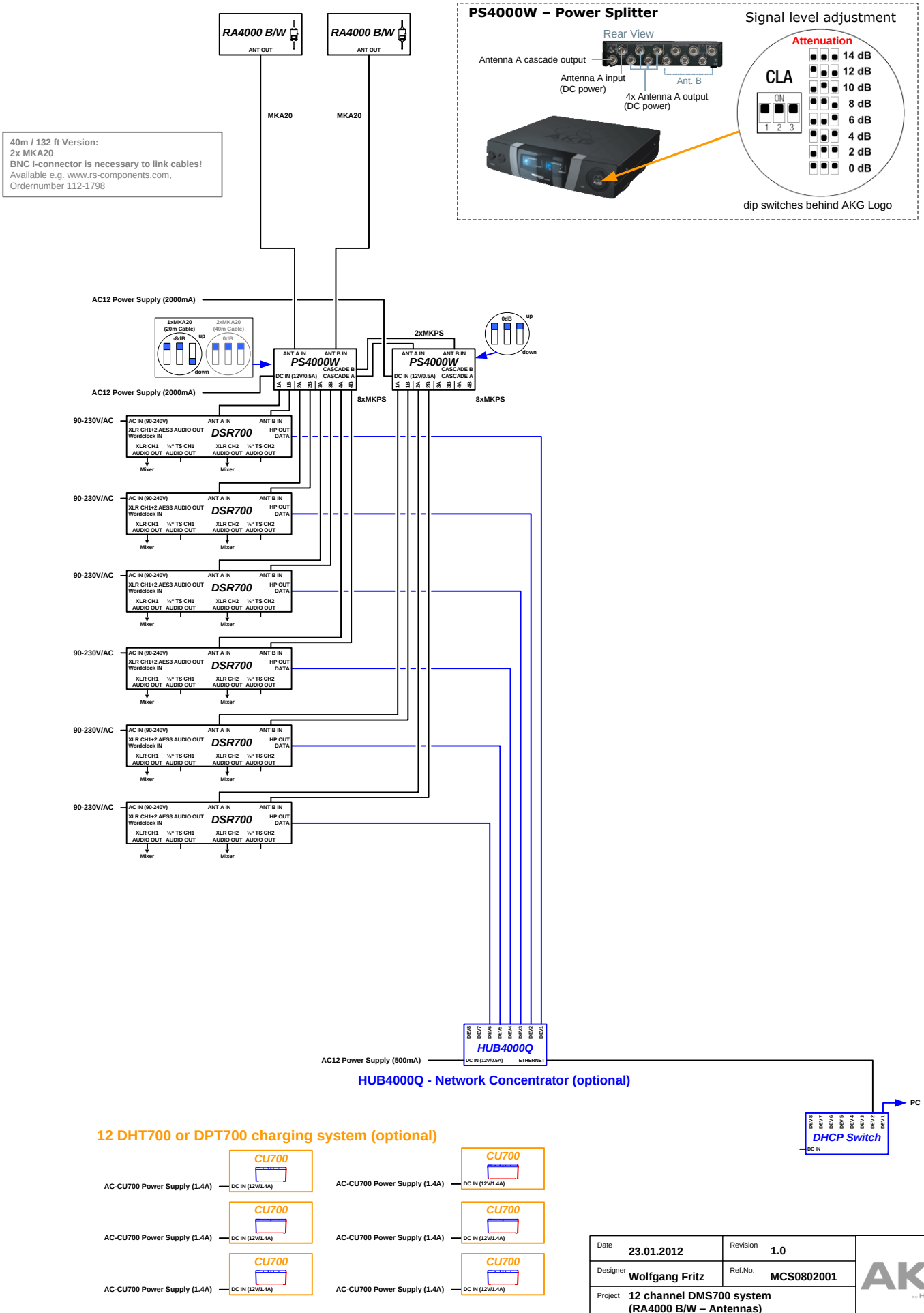
Additional parts for 40m(132feet) Antenna Cable		
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	BNC I-connector	**EXTERNAL !! Not available at AKG** - BNC I-Connector (you can buy it at www.rs-components.com, Ordernumber 112-1798)

Optional Components (Charging System & PC Control System)

units	description	comment
6	CU700	Twin charger + 2 AA size rechargeable batteries for DHT 700 or DPT 700 transmitter; with AC Adapter
1	HUB4000 Q / none	Network concentrator without AC-Adapter; of 8 systems
1	AC12 500mA EU/US/UK	12V AC-Adapter for 1 ASU4000, AB4000, HUB4000 Q, SR450/470 or SR4500.
1	DHCP Net Switch + CAT5 Cable	**EXTERNAL !! Not available at AKG** - for 4 input to 1 output (e.g. D-Link)

Do not forget microphone head, headset or other microphone !!
DPT 700: e.g. C555L, C520ML, C516ML, C518ML, C519ML, HC577 WR-L, CK77 WR-L, CK99L, C411L, C417L

12 Channel DMS700 System
with omni-directional antennas & 20(40)m antenna cable (66 or 132 feet)



Date	23.01.2012	Revision	1.0
Designer	Wolfgang Fritz	Ref.No.	MCS0802001
Project	12 channel DMS700 system (RA4000 B/W – Antennas)		

12 Channel DMS700 System with omni-directional antennas

units	description	comment
6	DSR700	19"-rack receiver, internal power supply; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); 2 UHF antennas; 1 IEC cable US, 1 IEC cable EU
12	DHT700 or DPT700	Hand-held transmitter or Bodypack transmitter; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); stand adapter or belt clip; 2 AA size dry batteries, Colour Coding Kit and Windscreen
2	PS4000W	Wide band antenna multi coupler (4+1 out) without AC-Adapter
2	AC12 2000mA EU/US/UK	12V AC-Adapter power supply PS4000W, CU700, CU4000 (you can also use a PSU4000
14	MK PS	Connecting cable for PS to SR 2.15ft (65cm)
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	RA4000 B/W	External omni-directional active dipoleantenna with amplifier (2 req.)
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58

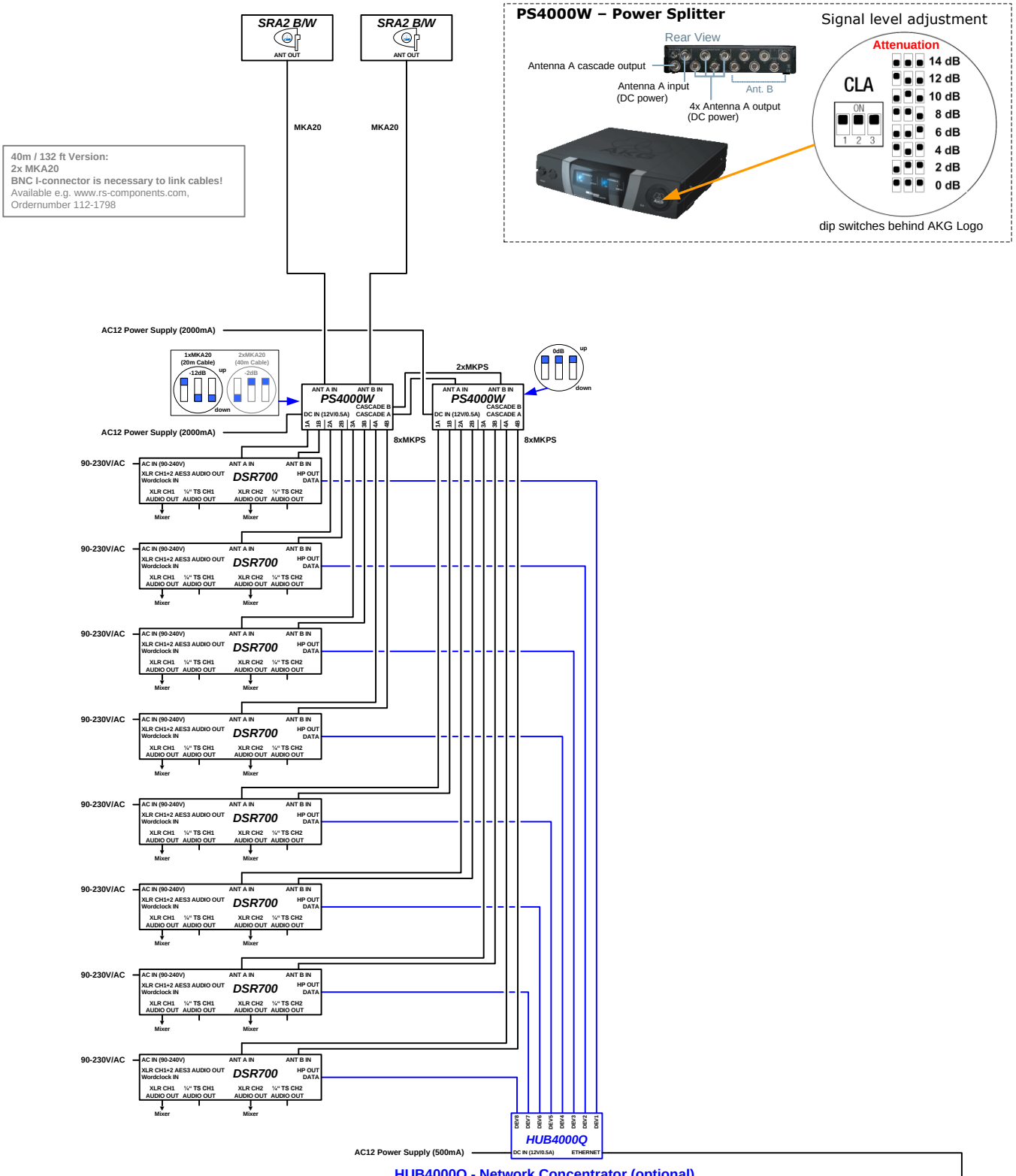
Additional parts for 40m(132feet) Antenna Cable		
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	BNC I-connector	**EXTERNAL !! Not available at AKG** - BNC I-Connector (you can buy it at www.rs-components.com, Ordernumber 112-1798)

Optional Components (Charging System & PC Control System)

units	description	comment
6	CU700	Twin charger + 2 AA size rechargeable batteries for DHT 700 or DPT 700 transmitter; with AC Adapter
1	HUB4000 Q / none	Network concentrator without AC-Adapter; of 8 systems
1	AC12 500mA EU/US/UK	12V AC-Adapter for 1 ASU4000, AB4000, HUB4000 Q, SR450/470 or SR4500.
1	DHCP Net Switch + CAT5 Cable	**EXTERNAL !! Not available at AKG** - for 4 input to 1 output (e.g. D-Link)

Do not forget microphone head, headset or other microphone !!
DPT 700: e.g. C555L, C520ML, C516ML, C518ML, C519ML, HC577 WR-L, CK77 WR-L, CK99L, C411L, C417L

16 Channel DMS700 System
with directional antennas & 20(40)m antenna cable (66 or 132 feet)



Date	23.01.2012	Revision	1.0
Designer	Wolfgang Fritz	Ref.No.	MCS0802001
Project	16 channel DMS700 system (SRA2 B/W – Antennas)		

16 Channel DMS700 System with directional antennas

units	description	comment
8	DSR700	19"-rack receiver, internal power supply; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); 2 UHF antennas; 1 IEC cable US, 1 IEC cable EU
16	DHT700 or DPT700	Hand-held transmitter or Bodypack transmitter; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); stand adapter or belt clip; 2 AA size dry batteries, Colour Coding Kit and Windscreen
2	PS4000W	Wide band antenna multi coupler (4+1 out) without AC-Adapter
2	AC12 2000mA EU/US/UK	12V AC-Adapter power supply PS4000W, CU700, CU4000 (you can also use a PSU4000
18	MK PS	Connecting cable for PS to SR 2.15ft (65cm)
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	SRA2 B/W	External directional active "paddle" antenna with amplifier (2 req.)
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58

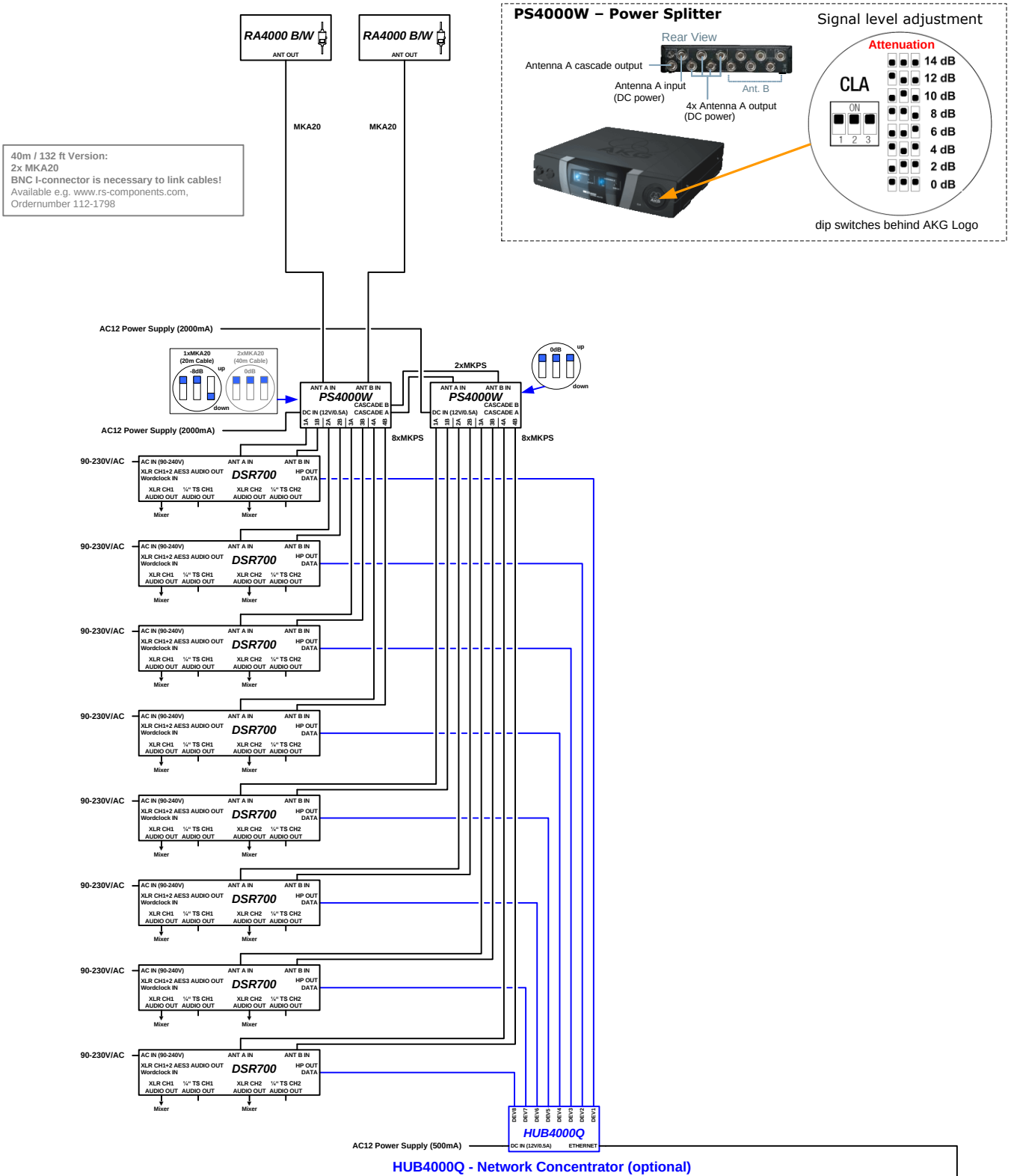
Additional parts for 40m(132feet) Antenna Cable		
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	BNC I-connector	**EXTERNAL !! Not available at AKG** - BNC I-Connector (you can buy it at www.rs-components.com, Ordernumber 112-1798)

Optional Components (Charging System & PC Control System)

units	description	comment
8	CU700	Twin charger + 2 AA size rechargeable batteries for DHT 700 or DPT 700 transmitter; with AC Adapter
1	HUB4000 Q / none	Network concentrator without AC-Adapter; of 8 systems
1	AC12 500mA EU/US/UK	12V AC-Adapter for 1 ASU4000, AB4000, HUB4000 Q, SR450/470 or SR4500.
1	DHCP Net Switch + CAT5 Cable	**EXTERNAL !! Not available at AKG** - for 4 input to 1 output (e.g. D-Link)

Do not forget microphone head, headset or other microphone !!
DPT 700: e.g. C555L, C520ML, C516ML, C518ML, C519ML, HC577 WR-L, CK77 WR-L, CK99L, C411L, C417L

16 Channel DMS700 System
with omni-directional antennas & 20(40)m antenna cable (66 or 132 feet)



Date	23.01.2012	Revision	1.0
Designer	Wolfgang Fritz	Ref.No.	MCS0802001
Project	16 channel DMS700 system (RA4000 B/W – Antennas)		

16 Channel DMS700 System with omni-directional antennas

units	description	comment
8	DSR700	19"-rack receiver, internal power supply; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); 2 UHF antennas; 1 IEC cable US, 1 IEC cable EU
16	DHT700 or DPT700	Hand-held transmitter or Bodypack transmitter; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); stand adapter or belt clip; 2 AA size dry batteries, Colour Coding Kit and Windscreen
2	PS4000W	Wide band antenna multi coupler (4+1 out) without AC-Adapter
2	AC12 2000mA EU/US/UK	12V AC-Adapter power supply PS4000W, CU700, CU4000 (you can also use a PSU4000
18	MK PS	Connecting cable for PS to SR 2.15ft (65cm)
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	RA4000 B/W	External omni-directional active dipoleantenna with amplifier (2 req.)
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58

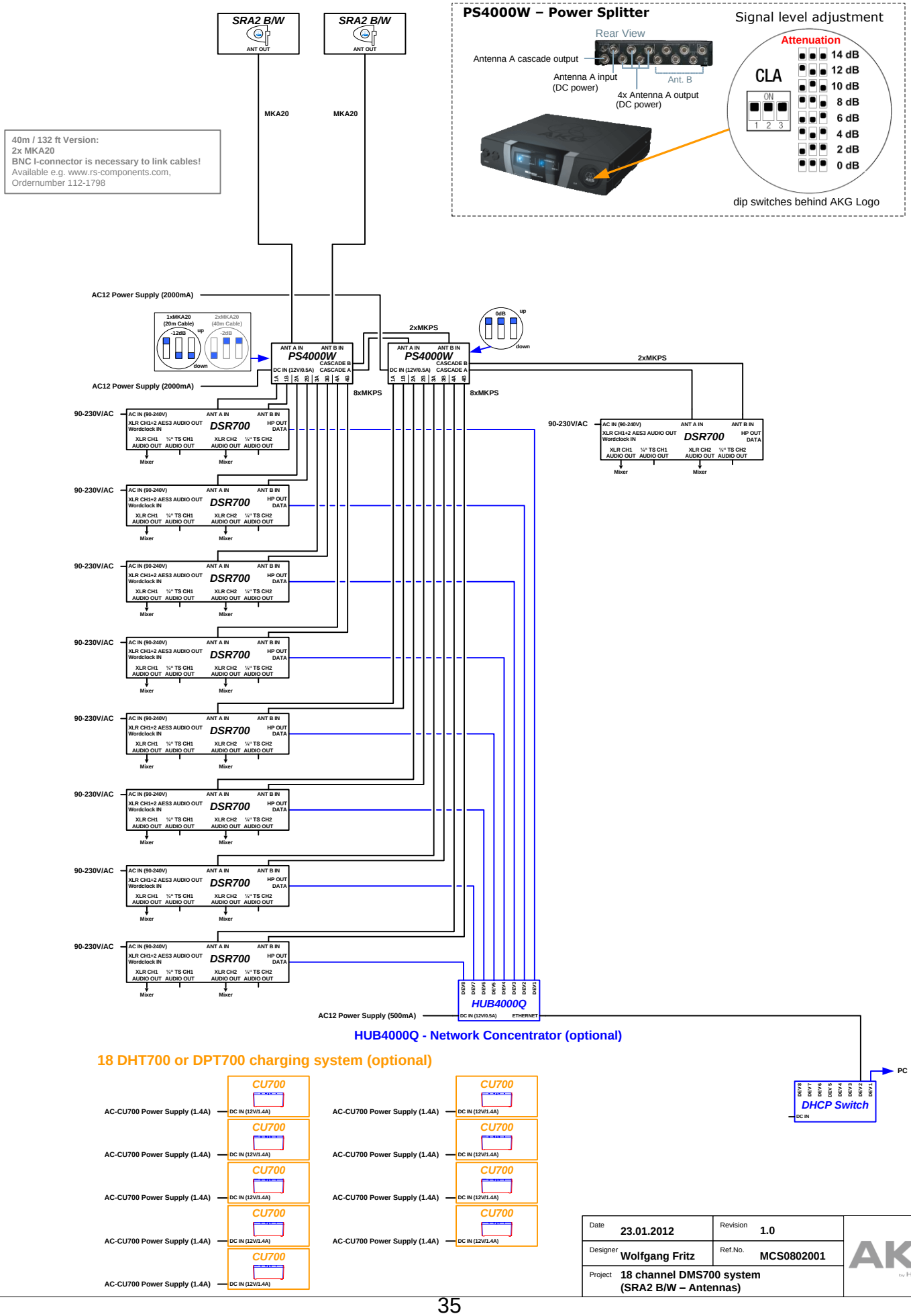
Additional parts for 40m(132feet) Antenna Cable		
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	BNC I-connector	**EXTERNAL !! Not available at AKG** - BNC I-Connector (you can buy it at www.rs-components.com, Ordernumber 112-1798)

Optional Components (Charging System & PC Control System)

units	description	comment
8	CU700	Twin charger + 2 AA size rechargeable batteries for DHT 700 or DPT 700 transmitter; with AC Adapter
1	HUB4000 Q / none	Network concentrator without AC-Adapter; of 8 systems
1	AC12 500mA EU/US/UK	12V AC-Adapter for 1 ASU4000, AB4000, HUB4000 Q, SR450/470 or SR4500.
1	DHCP Net Switch + CAT5 Cable	**EXTERNAL !! Not available at AKG** - for 4 input to 1 output (e.g. D-Link)

Do not forget microphone head, headset or other microphone !!
DPT 700: e.g. C555L, C520ML, C516ML, C518ML, C519ML, HC577 WR-L, CK77 WR-L, CK99L, C411L, C417L

18 Channel DMS700 System
with directional antennas & 20(40)m antenna cable (66 or 132 feet)



Date	23.01.2012	Revision	1.0
Designer	Wolfgang Fritz	Ref.No.	MCS0802001
Project	18 channel DMS700 system (SRA2 B/W – Antennas)		

18 Channel DMS700 System with directional antennas

units	description	comment
9	DSR700	19"-rack receiver, internal power supply; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); 2 UHF antennas; 1 IEC cable US, 1 IEC cable EU
18	DHT700 or DPT700	Hand-held transmitter or Bodypack transmitter; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); stand adapter or belt clip; 2 AA size dry batteries, Colour Coding Kit and Windscreen
2	PS4000W	Wide band antenna multi coupler (4+1 out) without AC-Adapter
2	AC12 2000mA EU/US/UK	12V AC-Adapter power supply PS4000W, CU700, CU4000 (you can also use a PSU4000
20	MK PS	Connecting cable for PS to SR 2.15ft (65cm)
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	SRA2 B/W	External directional active "paddle" antenna with amplifier (2 req.)
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58

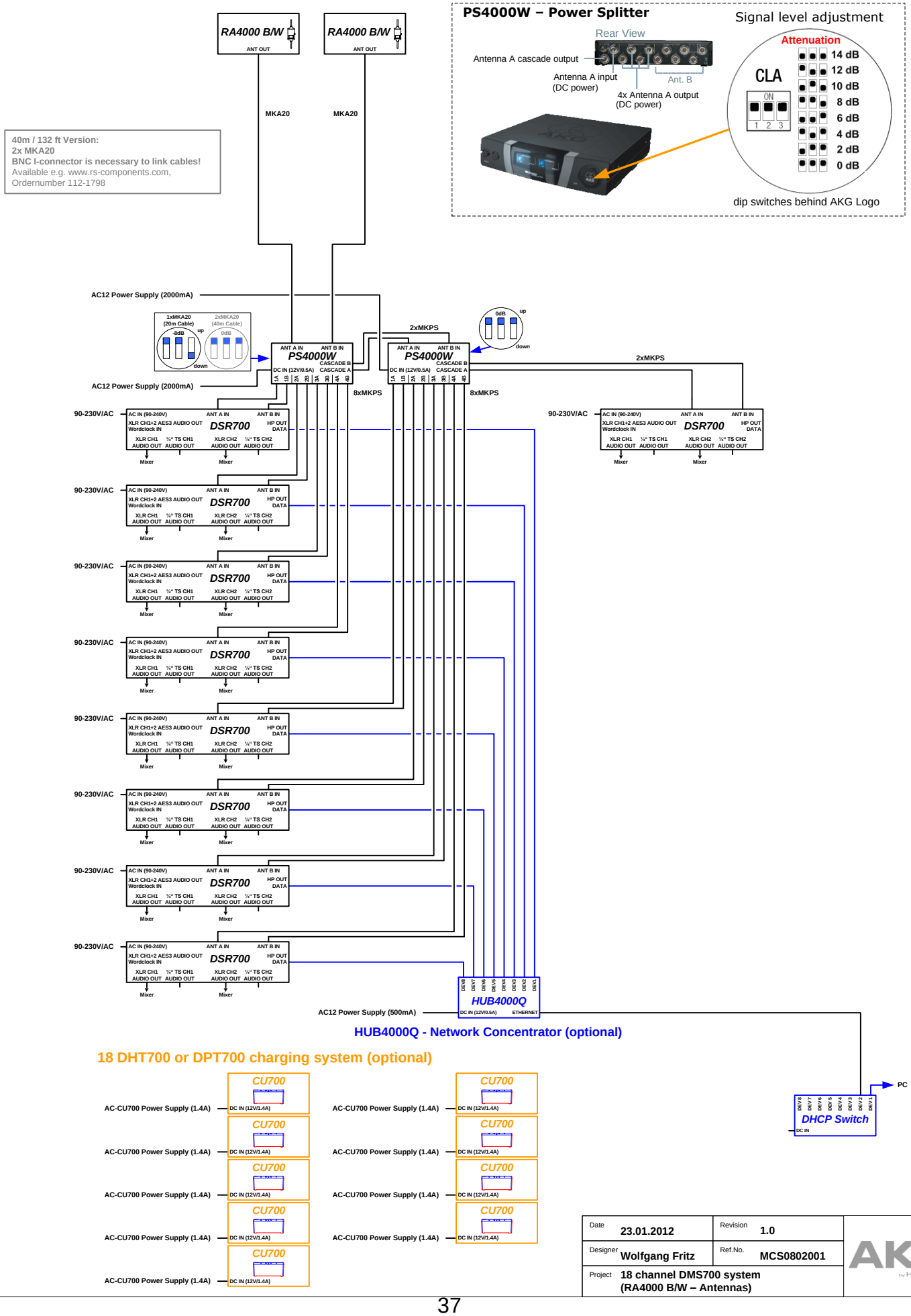
Additional parts for 40m(132feet) Antenna Cable		
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	BNC I-connector	**EXTERNAL !! Not available at AKG** - BNC I-Connector (you can buy it at www.rs-components.com, Ordernumber 112-1798)

Optional Components (Charging System & PC Control System)

units	description	comment
9	CU700	Twin charger + 2 AA size rechargeable batteries for DHT 700 or DPT 700 transmitter; with AC Adapter
1	HUB4000 Q / none	Network concentrator without AC-Adapter; of 8 systems
1	AC12 500mA EU/US/UK	12V AC-Adapter for 1 ASU4000, AB4000, HUB4000 Q, SR450/470 or SR4500.
1	DHCP Net Switch + CAT5 Cable	**EXTERNAL !! Not available at AKG** - for 4 input to 1 output (e.g. D-Link)

Do not forget microphone head, headset or other microphone !!
DPT 700: e.g. C555L, C520ML, C516ML, C518ML, C519ML, HC577 WR-L, CK77 WR-L, CK99L, C411L, C417L

18 Channel DMS700 System
with omni-directional antennas & 20(40)m antenna cable (66 or 132 feet)



Date	23.01.2012	Revision	1.0
Designer	Wolfgang Fritz	Ref.No.	MCS0802001
Project	18 channel DMS700 system (RA4000 B/W – Antennas)		

18 Channel DMS700 System with omni-directional antennas

units	description	comment
9	DSR700	19"-rack receiver, internal power supply; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); 2 UHF antennas; 1 IEC cable US, 1 IEC cable EU
18	DHT700 or DPT700	Hand-held transmitter or Bodypack transmitter; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); stand adapter or belt clip; 2 AA size dry batteries, Colour Coding Kit and Windscreen
2	PS4000W	Wide band antenna multi coupler (4+1 out) without AC-Adapter
2	AC12 2000mA EU/US/UK	12V AC-Adapter power supply PS4000W, CU700, CU4000 (you can also use a PSU4000
20	MK PS	Connecting cable for PS to SR 2.15ft (65cm)
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	RA4000 B/W	External omni-directional active dipoleantenna with amplifier (2 req.)
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58

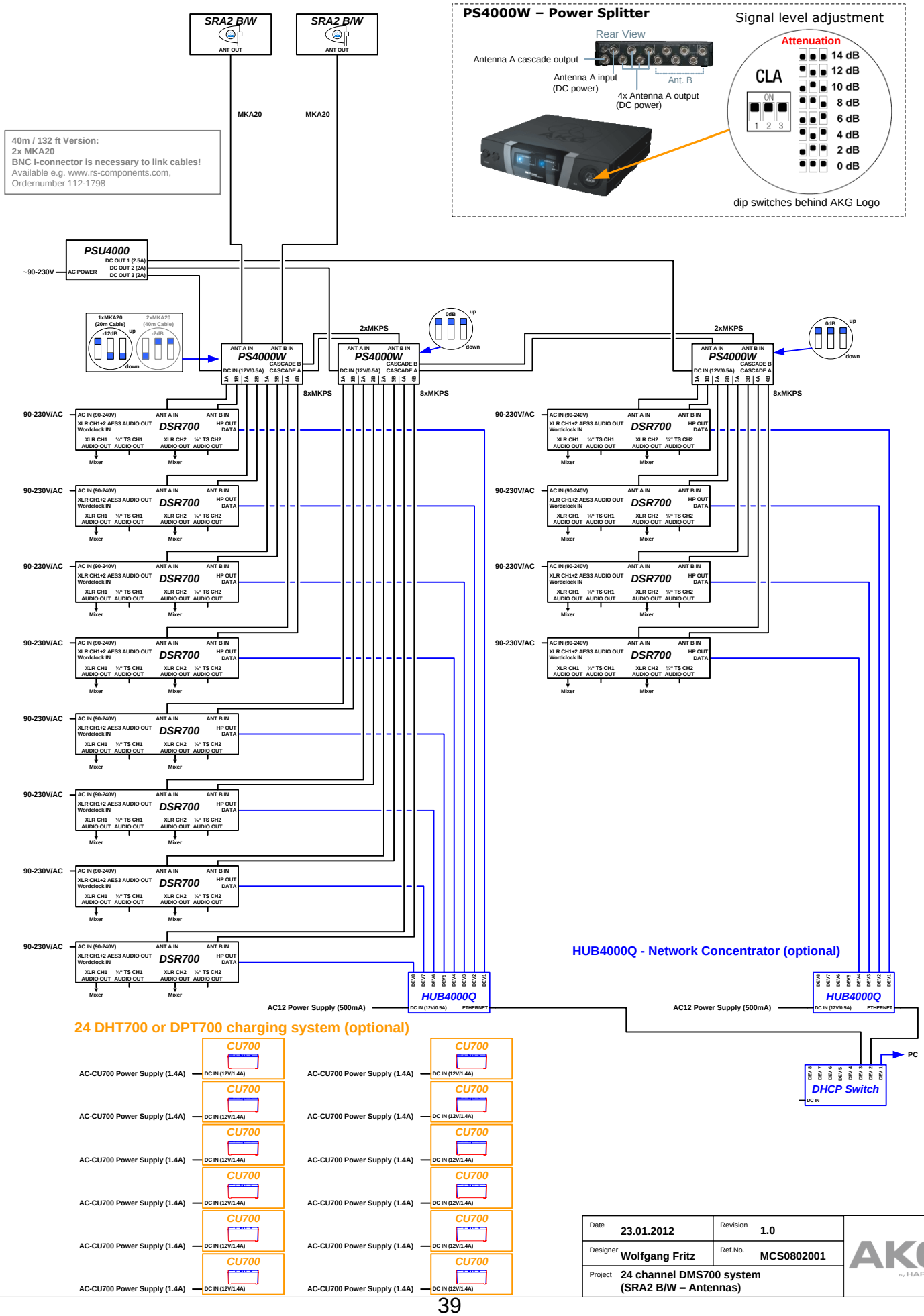
Additional parts for 40m(132feet) Antenna Cable		
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	BNC I-connector	**EXTERNAL !! Not available at AKG** - BNC I-Connector (you can buy it at www.rs-components.com, Ordernumber 112-1798)

Optional Components (Charging System & PC Control System)

units	description	comment
9	CU700	Twin charger + 2 AA size rechargeable batteries for DHT 700 or DPT 700 transmitter; with AC Adapter
1	HUB4000 Q / none	Network concentrator without AC-Adapter; of 8 systems
1	AC12 500mA EU/US/UK	12V AC-Adapter for 1 ASU4000, AB4000, HUB4000 Q, SR450/470 or SR4500.
1	DHCP Net Switch + CAT5 Cable	**EXTERNAL !! Not available at AKG** - for 4 input to 1 output (e.g. D-Link)

Do not forget microphone head, headset or other microphone !!
DPT 700: e.g. C555L, C520ML, C516ML, C518ML, C519ML, HC577 WR-L, CK77 WR-L, CK99L, C411L, C417L

24 Channel DMS700 System
with directional antennas & 20(40)m antenna cable (66 or 132 feet)



Date	23.01.2012	Revision	1.0
Designer	Wolfgang Fritz	Ref.No.	MCS0802001
Project	24 channel DMS700 system (SRA2 B/W – Antennas)		

24 Channel DMS700 System with directional antennas

units	description	comment
12	DSR700	19"-rack receiver, internal power supply; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); 2 UHF antennas; 1 IEC cable US, 1 IEC cable EU
24	DHT700 or DPT700	Hand-held transmitter or Bodypack transmitter; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); stand adapter or belt clip; 2 AA size dry batteries, Colour Coding Kit and Windscreen
3	PS4000W	Wide band antenna multi coupler (4+1 out) without AC-Adapter
1	PSU4000	Central Power supply unit for powering up to 1 HUB4000 Q, CU700, CU4000 or up to 12 SR450/470/4500 receivers via PS 4000, IEC mains cable
28	MK PS	Connecting cable for PS to SR 2.15ft (65cm)
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	SRA2 B/W	External directional active "paddle" antenna with amplifier (2 req.)
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58

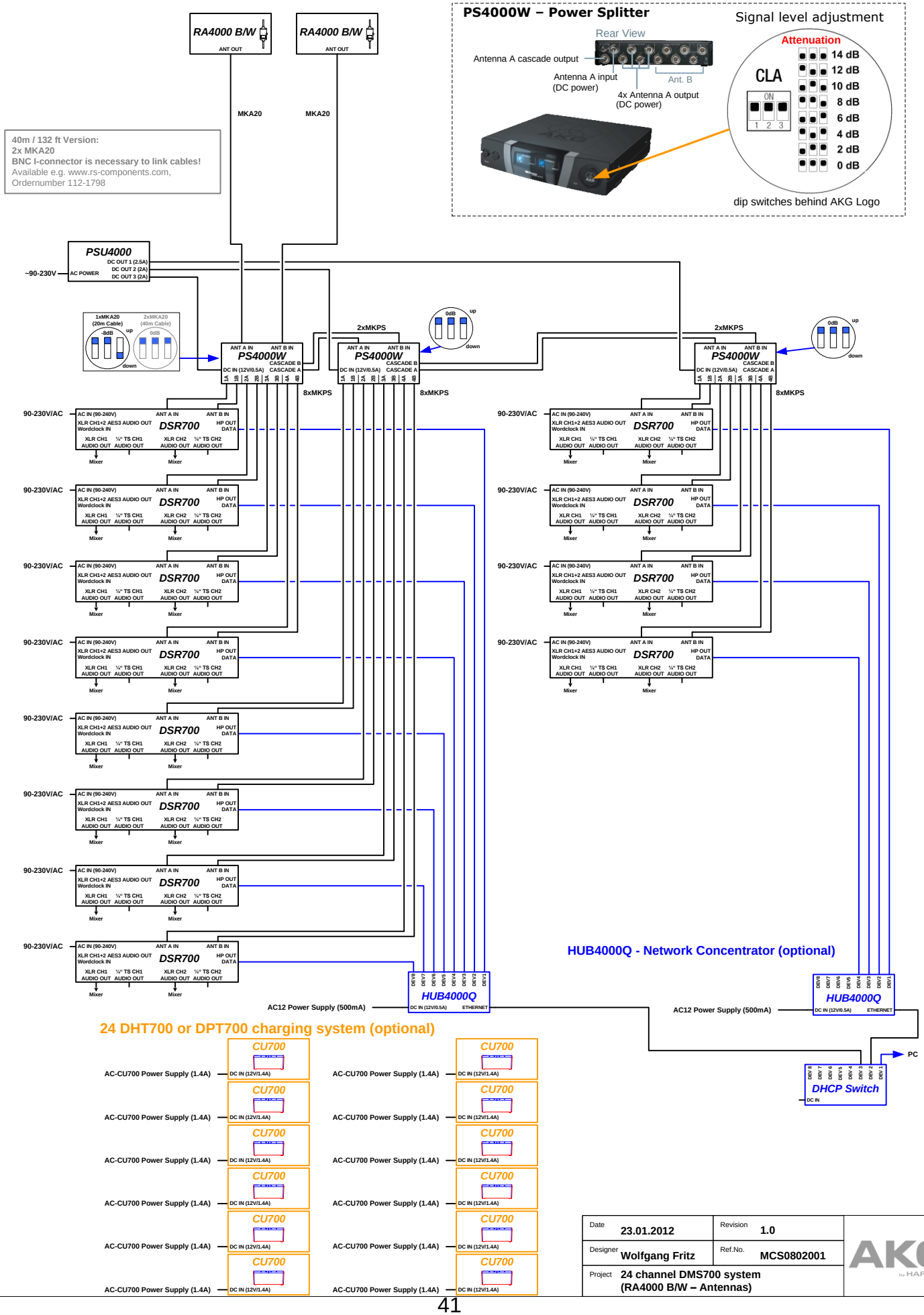
Additional parts for 40m(132feet) Antenna Cable		
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	BNC I-connector	**EXTERNAL !! Not available at AKG** - BNC I-Connector (you can buy it at www.rs-components.com, Ordernumber 112-1798)

Optional Components (Charging System & PC Control System)

units	description	comment
12	CU700	Twin charger + 2 AA size rechargeable batteries for DHT 700 or DPT 700 transmitter; with AC Adapter
2	HUB4000 Q / none	Network concentrator without AC-Adapter; of 8 systems
2	AC12 500mA EU/US/UK	12V AC-Adapter for 1 ASU4000, AB4000, HUB4000 Q, SR450/470 or SR4500.
1	DHCP Net Switch + CAT5 Cable	**EXTERNAL !! Not available at AKG** - for 4 input to 1 output (e.g. D-Link)

Do not forget microphone head, headset or other microphone !!
DPT 700: e.g. C555L, C520ML, C516ML, C518ML, C519ML, HC577 WR-L, CK77 WR-L, CK99L, C411L, C417L

24 Channel DMS700 System
with omni-directional antennas & 20(40)m antenna cable (66 or 132 feet)



Date	23.01.2012	Revision	1.0
Designer	Wolfgang Fritz	Ref.No.	MCS0802001
Project	24 channel DMS700 system (RA4000 B/W – Antennas)		

24 Channel DMS700 System with omni-directional antennas

units	description	comment
12	DSR700	19"-rack receiver, internal power supply; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); 2 UHF antennas; 1 IEC cable US, 1 IEC cable EU
24	DHT700 or DPT700	Hand-held transmitter or Bodypack transmitter; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); stand adapter or belt clip; 2 AA size dry batteries, Colour Coding Kit and
3	PS4000W	Wide band antenna multi coupler (4+1 out) without AC-Adapter
1	PSU4000	Central Power supply unit for powering up to 1 HUB4000 Q, CU700, CU4000 or up to 12 SR450/470/4500 receivers via PS 4000, IEC mains cable
28	MK PS	Connecting cable for PS to SR 2.15ft (65cm)
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	RA4000 B/W	External omni-directional active dipoleantenna with amplifier (2 req.)
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58

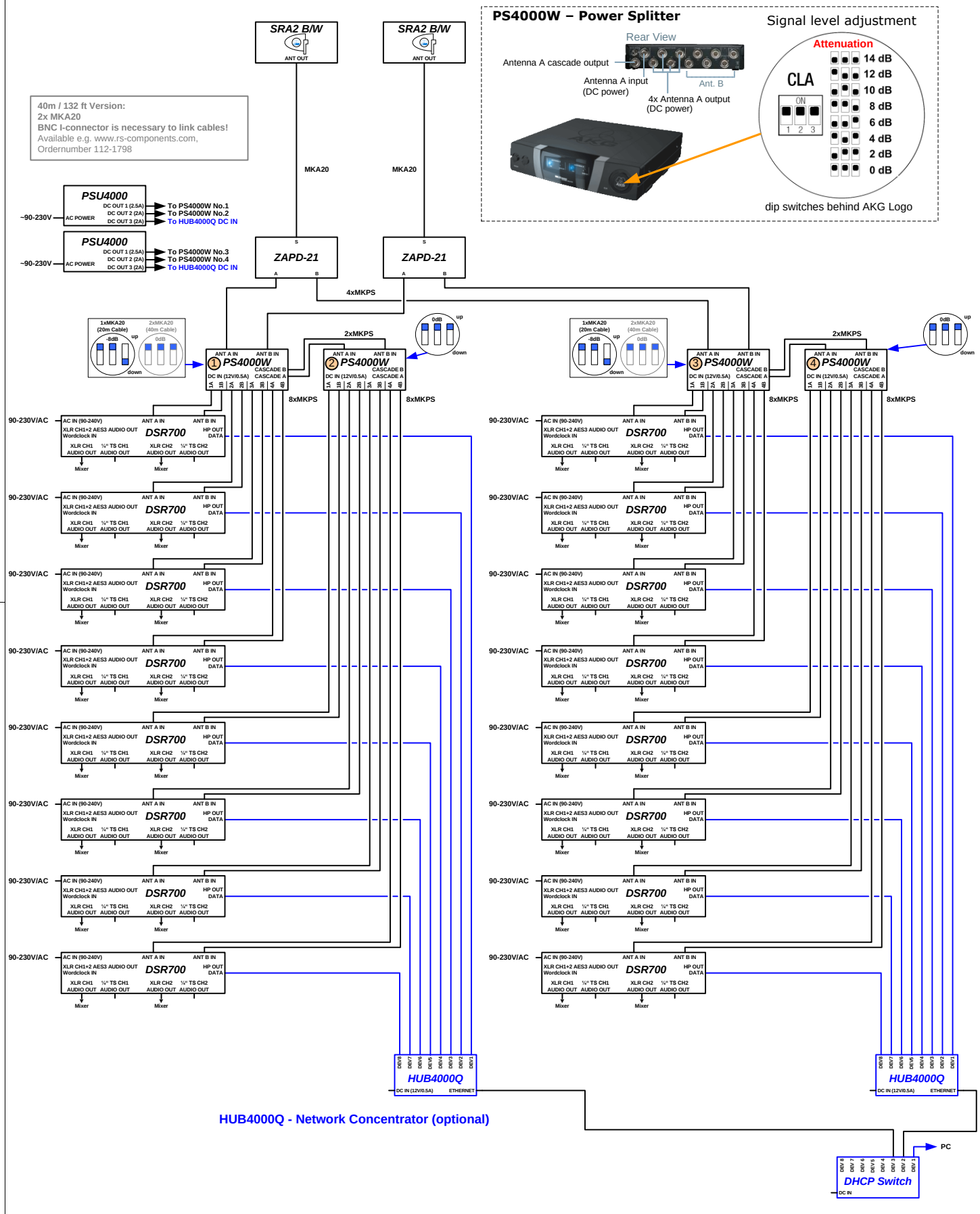
Additional parts for 40m(132feet) Antenna Cable		
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	BNC I-connector	**EXTERNAL !! Not available at AKG** - BNC I-Connector (you can buy it at www.rs-components.com, Ordernumber 112-1798)

Optional Components (Charging System & PC Control System)

units	description	comment
12	CU700	Twin charger + 2 AA size rechargeable batteries for DHT 700 or DPT 700 transmitter; with AC Adapter
2	HUB4000 Q / none	Network concentrator without AC-Adapter; of 8 systems
2	AC12 500mA EU/US/UK	12V AC-Adapter for 1 ASU4000, AB4000, HUB4000 Q, SR450/470 or SR4500.
1	DHCP Net Switch + CAT5 Cable	**EXTERNAL !! Not available at AKG** - for 4 input to 1 output (e.g. D-Link)

Do not forget microphone head, headset or other microphone !!
DPT 700: e.g. C555L, C520ML, C516ML, C518ML, C519ML, HC577 WR-L, CK77 WR-L, CK99L, C411L, C417L

32 Channel DMS700 System
with directional antennas & 20(40)m antenna cable (66 or 132 feet)



Date	23.01.2012	Revision	1.0
Designer	Wolfgang Fritz	Ref.No.	MCS0802001
Project	32 channel DMS700 system (SRA2 B/W – Antennas)		

32 Channel DMS700 System with directional antennas

units	description	comment
16	DSR700	19"-rack receiver, internal power supply; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); 2 UHF antennas; 1 IEC cable US, 1 IEC cable EU
32	DHT700 or DPT700	Hand-held transmitter or Bodypack transmitter; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); stand adapter or belt clip; 2 AA size dry batteries, Colour Coding Kit and Windscreen
4	PS4000W	Wide band antenna multi coupler (4+1 out) without AC-Adapter
2	PSU4000	Central Power supply unit for powering up to 1 HUB4000 Q, CU700, CU4000 or up to 12 SR450/470/4500 receivers via PS 4000, IEC mains cable
2	ZAPD21	passive power combiner (2in 1out) or Splitter (1in 2out)
40	MK PS	Connecting cable for PS to SR 2.15ft (65cm)
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	SRA2 B/W	External directional active "paddle" antenna with amplifier (2 req.)
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58

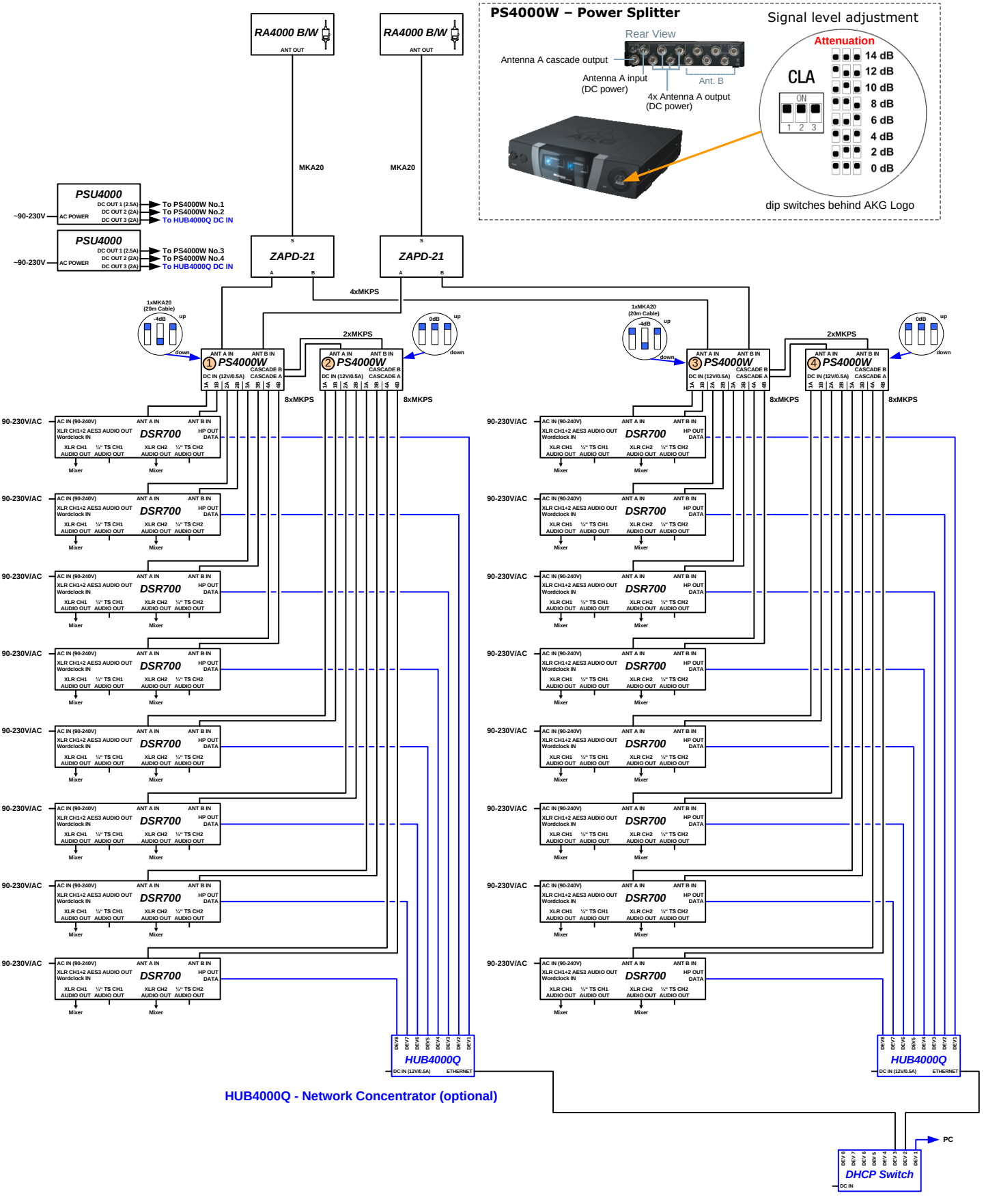
Additional parts for 40m(132feet) Antenna Cable		
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	BNC I-connector	**EXTERNAL !! Not available at AKG** - BNC I-Connector (you can buy it at www.rs-components.com, Ordernumber 112-1798)

Optional Components (Charging System & PC Control System)

units	description	comment
16	CU700	Twin charger + 2 AA size rechargeable batteries for DHT 700 or DPT 700 transmitter; with AC Adapter
2	HUB4000 Q / none	Network concentrator without AC-Adapter; of 8 systems
2	AC12 500mA EU/US/UK	12V AC-Adapter for 1 ASU4000, AB4000, HUB4000 Q, SR450/470 or SR4500.
1	DHCP Net Switch + CAT5 Cable	**EXTERNAL !! Not available at AKG** - for 4 input to 1 output (e.g. D-Link)

Do not forget microphone head, headset or other microphone !!
DPT 700: e.g. C555L, C520ML, C516ML, C518ML, C519ML, HC577 WR-L, CK77 WR-L, CK99L, C411L, C417L

32 Channel WMS700 System
with omni-directional antennas & 20m antenna cable (66 feet)



Date	23.01.2012	Revision	1.0
Designer	Wolfgang Fritz	Ref.No.	MCS0802001
Project	32 channel DMS700 system (RA4000 B/W – Antennas)		

32 Channel DMS700 System with omni-directional antennas

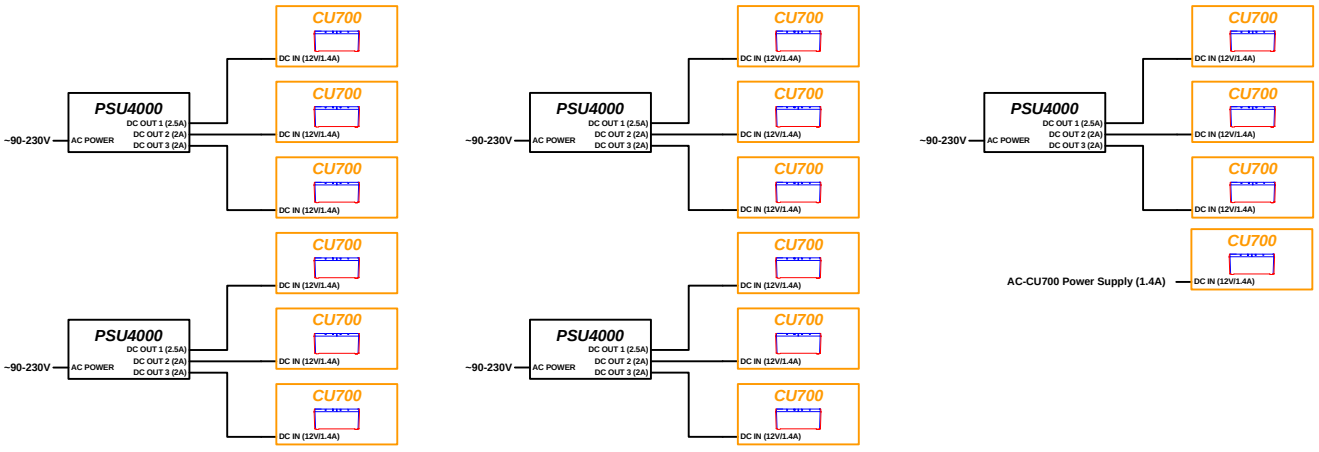
units	description	comment
16	DSR700	19"-rack receiver, internal power supply; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); 2 UHF antennas; 1 IEC cable US, 1 IEC cable EU
32	DHT700 or DPT700	Hand-held transmitter or Bodypack transmitter; (frequency range 548.1 to 697.9 MHz or 710.1 to 864.9 MHz); stand adapter or belt clip; 2 AA size dry batteries, Colour Coding Kit and Windscreen
4	PS4000W	Wide band antenna multi coupler (4+1 out) without AC-Adapter
2	PSU4000	Central Power supply unit for powering up to 1 HUB4000 Q, CU700, CU4000 or up to 12 SR450/470/4500 receivers via PS 4000, IEC mains cable
2	ZAPD21	passive power combiner (2in 1out) or Splitter (1in 2out)
40	MK PS	Connecting cable for PS to SR 2.15ft (65cm)
2	MKA 20	66 ft. (20m) Cables for connecting ext. antennas to multi-couplers (2 req.) KOAX RG58
2	RA4000 B/W	External omni-directional active dipoleantenna with amplifier (2 req.)
2	PSU4000	Central Power supply unit for powering up to 1 HUB4000 Q, CU700, CU4000 or up to 12 SR450/470/4500 receivers via PS 4000, IEC mains cable

Optional Components (Charging System & PC Control System)

units	description	comment
16	CU700	Twin charger + 2 AA size rechargeable batteries for DHT 700 or DPT 700 transmitter; with AC Adapter
2	HUB4000 Q / none	Network concentrator without AC-Adapter; of 8 systems
2	AC12 500mA EU/US/UK	12V AC-Adapter for 1 ASU4000, AB4000, HUB4000 Q, SR450/470 or SR4500.
1	DHCP Net Switch + CAT5 Cable	**EXTERNAL !! Not available at AKG** - for 4 input to 1 output (e.g. D-Link)

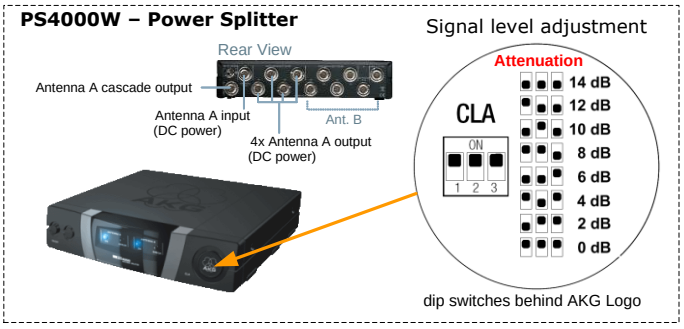
Do not forget microphone head, headset or other microphone !!
DPT 700: e.g. C555L, C520ML, C516ML, C518ML, C519ML, HC577 WR-L, CK77 WR-L, CK99L, C411L, C417L

32 Channel DMS700 Charging System



If you don’t want to use PSU4000 for optional components, you can also use AC-CU700 Power Supply for CU700's and AC12 Power Supply for the PS4000W and HUB4000Q’s

PS4000W Technical Information



Date	23.01.2012	Revision	1.0
Designer	Wolfgang Fritz	Ref.No.	MCS0802001
Project	32 channel DMS700 charging system		