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Audio Distribution Systems

SB Gold 48, 56 and 64 channel Stage Boxes, have been purposely designed to satisfy the need of distributing signals in large venues. Ideal when used with individually shielded multipair eurocable (e.g. 48, 56 and 64 pairs) on cable reels and with LK audio multipin connectors (e.g. 150 and 200 pins). These Stage Boxes, manufactured in 19" rack boxes, feature individual Ground Lift switches and are also available with passive splitters. All the connector contacts used in the SB Gold Stage box (XLR and LK multipin) are plated in gold, to guarantee the maximum contact reliability. The HD 600 cable reel can store up to 100 meters of 48, 56 or 64 individually shielded pairs eurocable (the use of a Flight Case is strongly recommended). **Page 5.**



The modular concept of the **AD Distribution System** allows for the assembly of Stage Boxes tailored to the customer's exact requirement providing an opening system which is adaptable to future possible needs. With the basic elements such as the 8 channels IN and OUT modules, Splitter units, and ADS modules a wide range of configurations are obtainable. The internal connections by flat cables grant maximum flexibility to the system, while the cable connections using multipin LK connectors, guarantee good connection stability to the whole system. **Pages 6-7.**

The **SBLK** and **SB2LK** Systems permit separate IN & OUT channels on Stage by running only one multipair cable on the long distance (Stage to Mixers). The SBLK version has an LK multipin chassis connector mounted on the box, which allows the multipair cable to be disconnected for storage. The SB2LK version has a second LK multipin chassis connector on the box in parallel for the Monitor Mixer. The extensions – available in different lengths – are assembled using LK multipin cable connectors and SS individually shielded multipair eurocable. Every single pair ends with an 100 cm Fan-Out. **Pages 10-11.**



The **SB System** has been designed for live applications where a single mixer is used. It consists of stage extensions that permit separate IN & OUT channels on Stage by running only one cable on the long distance (Stage to Mixer). The SS cable (individually shielded multipair eurocable) may come in different lengths. The SB System ends with an 100 cm Fan-Out. This is made up of pairs which are protected by a special "Heat-shrink" jacket maintaining flexibility. **Page 12.**

The **SBAV System** links the advantage of having separate IN & OUT channels on stage while running only one "long distance cable" (Stage to Mixer) with the facility of rolling up the cable by a cable reel. The IN and OUT Amphenol XLRs are mounted on the cable reel side panel. The SS cable (individually shielded multipair eurocable) stored on the cable reel can be up to 30 m in length for the 24 pairs. The SBAV System ends with an 100 cm Fan-Out. This is made up of pairs which are protected by a special "Heat-shrink" jacket maintaining flexibility. They are black coloured for Mixer IN's and red for Mixer OUT's. **Page 12.**



Code	STAGE BOX
SB 48	Stage box 48 IN with GND lift (2 LK150)
SB 48/8	Stage box 48 IN; last 8 ch in parallel with 8 male XLR; GND lift (2 LK150)
SB 48X8	Stage box 48 IN with GND lift + 8 OUT (2 LK200)
SB 56	Stage box 56 IN with GND lift (2 LK200)
SB 56/8	Stage box 56 IN; last 8 ch in parallel with 8 male XLR; GND lift (2 LK200)
SB 56X8	Stage box 56 IN with GND lift + 8 OUT (2 LK200)
SB 64	Stage box 64 IN with GND lift (2 LK200)
SB 48X8 3	Stage box 48 IN with GND lift + 8 OUT (3 LK200)
SB 56X8 3	Stage box 56 IN with GND lift + 8 OUT (3 LK200)

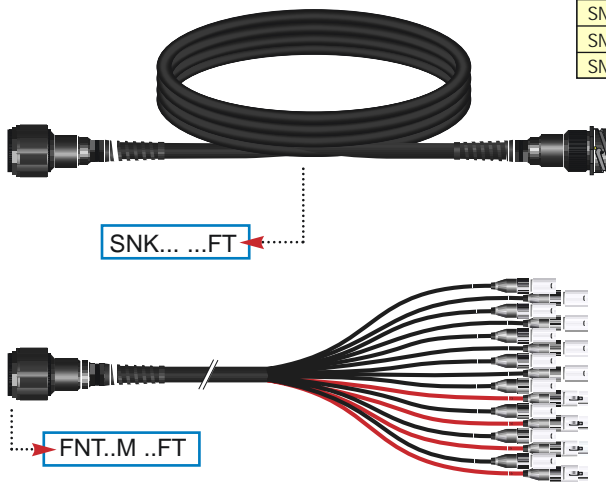
Code	SPLITTED VERSION
SB 48 SPL	Stage box 48 IN with GND lift (2 LK150)
SB 48/8 SPL	Stage box 48 IN; last 8 ch in parallel with 8 male XLR; GND lift (2 LK150)
SB 48X8 SPL	Stage box 48 IN with GND lift + 8 OUT (2 LK200)
SB 56 SPL	Stage box 48 IN with GND lift + 8 OUT (2 LK200)
SB 56/8 SPL	Stage box 56 IN; last 8 ch in parallel with 8 male XLR; GND lift (2 LK200)
SB 56X8 SPL	Stage box 56 IN with GND lift + 8 OUT (2 LK200)
SB 64 SPL	Stage box 56 IN with GND lift + 8 OUT (2 LK200)
SB 48X8 SPL 3	Stage box 48 IN with GND lift + 8 OUT (3 LK200)
SB 56X8 SPL 3	Stage box 56 IN with GND lift + 8 OUT (3 LK200)



SB 48/8 SPL

Note For USA part numbers, please refer to the insert in the middle of the catalogue.

SB Gold extensions and fan out



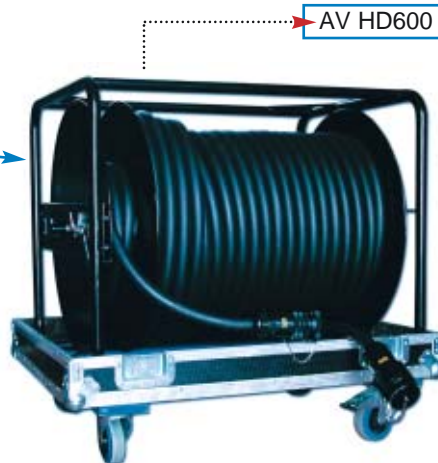
Code	EXTENSION
SNK48A 300FT	92m extension, 48ch, with SSA cable wired LK150FV/MV
SNK56A 300FT	92m extension, 56ch, with SSA cable wired LK200FV/MV
SNK64A 300FT	92m extension, 64ch, with SSA cable wired LK200FV/MV

Code	SNAKE & FAN-OUT
FNT 48SAN10 F4	Snake 3m +1.2m x fan out w/48 XLR MV
FNT 48SAN23 F4	Snake 7m +1.2m x fan out w/48 XLR MV
FNT 48X8SAN10 F4	Snake 3m +1.2m x fan out w/48 XLR MV & 8 XLR FV
FNT 48X8SAN23 F4	Snake 7m +1.2m x fan out w/48 XLR MV & 8 XLR FV
FNT 56SAN10 F4	Snake 3m +1.2m x fan out w/56 XLR MV
FNT 56SAN23 F4	Snake 7m +1.2m x fan out w/56 XLR MV
FNT 56X8SAN10 F4	Snake 3m +1.2m x fan out w/56 XLR MV & 8 XLR FV
FNT 56X8SAN23 F4	Snake 7m +1.2m x fan out w/56 XLR MV & 8 XLR FV
FNT 64SAN10 F4	Snake 3m +1.2m x fan out w/64 XLR MV
FNT 64SAN23 F4	Snake 7m +1.2m x fan out w/64 XLR MV

SB Gold accessories



FLY HD600



AV HD600



FLY SB

Code	ACCESSORIES
AV HD600	Steel cable reel, OD 600 mm, width 600
AV FS600	Cable restraining straps for HD600
FLY HD600	Fly case for HD600
FLY SB	Flight case for stage box.



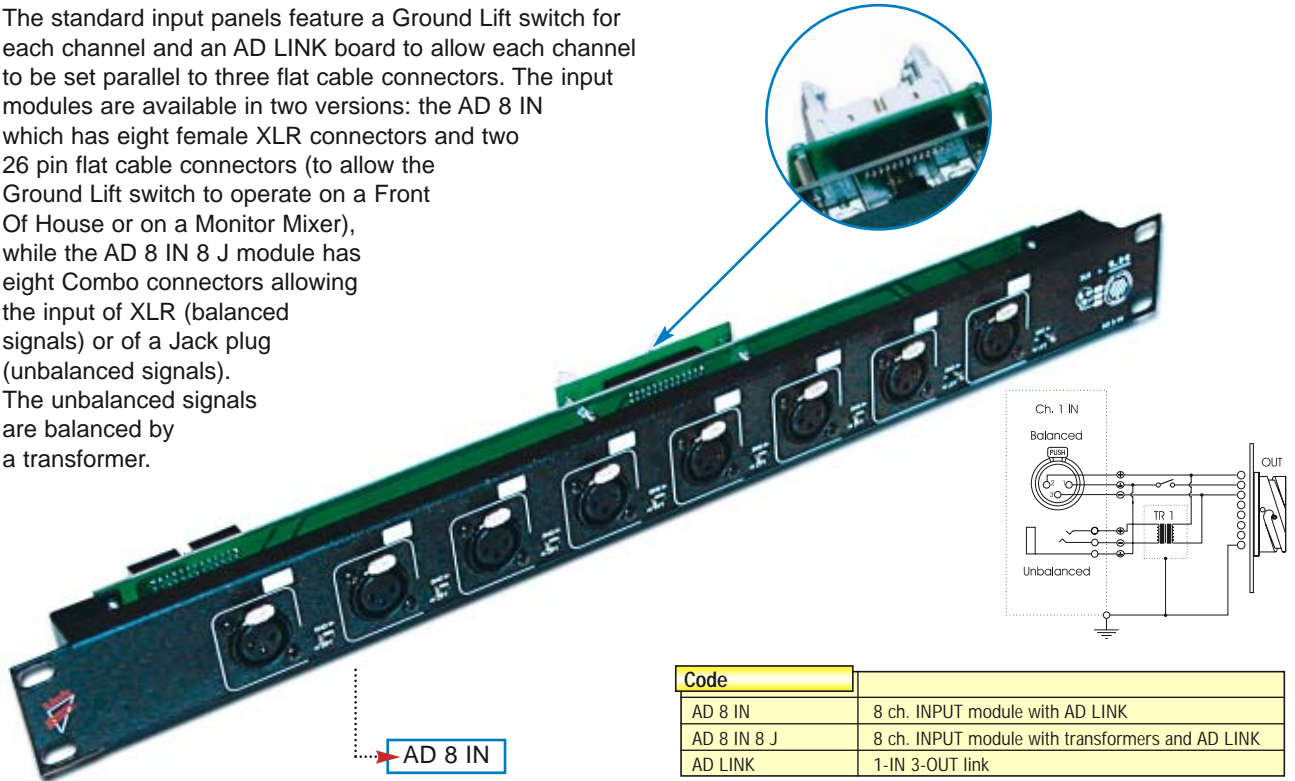
Not suitable for application above 50 V ac; 75 volt dc.

AD Distribution

The basic modules have 8 channels (8 IN or 8 OUT) on 1RU panels. The XLR chassis connectors and the 26 pin flat cable connectors are mounted on PC Board. All the connections between AD modules are made by flat cables.

AD INPUT Modules

The standard input panels feature a Ground Lift switch for each channel and an AD LINK board to allow each channel to be set parallel to three flat cable connectors. The input modules are available in two versions: the AD 8 IN which has eight female XLR connectors and two 26 pin flat cable connectors (to allow the Ground Lift switch to operate on a Front Of House or on a Monitor Mixer), while the AD 8 IN 8 J module has eight Combo connectors allowing the input of XLR (balanced signals) or of a Jack plug (unbalanced signals). The unbalanced signals are balanced by a transformer.



Code	
AD 8 IN	8 ch. INPUT module with AD LINK
AD 8 IN 8 J	8 ch. INPUT module with transformers and AD LINK
AD LINK	1-IN 3-OUT link

AD OUTPUT Module

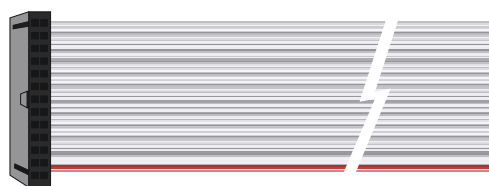
The Output module has eight male XLRs on the front panel and one 26 pin flat cable connector mounted on a PC Board.



AD 8 OUT

Code	
AD 8 OUT	8 ch. OUTPUT module

AD Flat



AD FL 26 ...

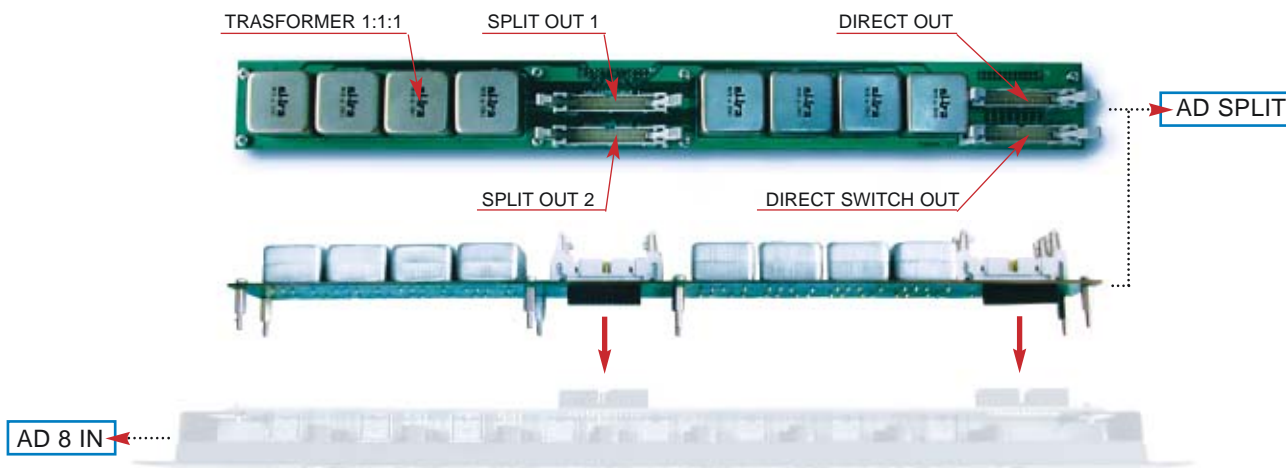
The connection between the AD and ADS modules is made with flat extension cables. They are also available in different lengths on request.



Code	
AD FL 26 30	AD flat cable extension 30 cm
AD FL 26 40	AD flat cable extension 40 cm
AD FL 26 50	AD flat cable extension 50 cm
AD FL 26 70	AD flat cable extension 70 cm
AD FL 26 100	AD flat cable extension 100 cm

Not suitable for application above 50 V ac; 75 volt dc.

AD Split



The AD SPLIT modules have been purposely engineered for highly professional applications. They allow for a clean split signal without a physical connection thereby maintaining the same signal quality in output over long distances. Each Input channel is divided by the AD SPLIT module into 4 Outputs: two are in physical parallel and two are individually split by transformer. The Ground Lift switch on the AD 8 IN module raises on by the Direct Switch Out, so the second parallel output (Direct Out) can be used to assign the 48V Phantom power to each channel.

Audio "Splitter" Transformer (Triple Faraday shields)			
Transformer characteristics	Transformer ratio:	1:1:1	
	Inductance primary circuit at 100 Hz, 1V	> 12H _y	
	Resistance primary circuit:	48 OHM	
	Resistance secondary circuit 1:	56 OHM	
	Resistance secondary circuit 2:	63 OHM	
	Distortion (THD) at 40 Hz:	<0,1% (-10 dBu test circuit)	
	Distortion (THD) at 1 kHz:	<0,01% (-10 dBu test circuit)	
Capacitance @ 1 kHz	Deviation from linear phase (DLP) 20 Hz to 20 KHz:	<0,3 dB (-20 dBu test circuit)	
	Common-mode rejection ratio (CMRR) 150 Ohm balanced source	>120 dB (100 Hz) >90 dB (5 kHz)	
	Primary	210 pF	
		Secondary 1	140 pF
		Secondary 2	130 pF

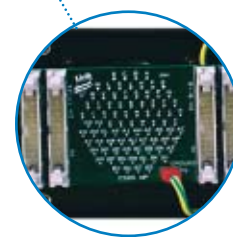
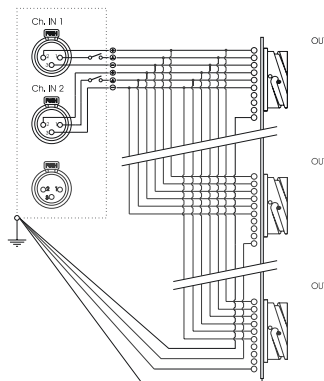
Code	Description
AD SPLIT	AD Splitter 8 IN 16+16 OUT Ground lift

ADS Modules

ADS 2RU panels use the capability of the multipin LK range to connect up to 64 channels using only one multipin connector. The 26 pin flat cable connectors allows for the XLRs connection by using flat extension cables.



Code	Description
ADS DF 25 1	ADS 2RU panel + 1 LK 25 panel female
ADS DF 25 2	ADS 2RU panel + 2 LK 25 panel female
ADS DF 25 3	ADS 2RU panel + 3 LK 25 panel female
ADS DF 25 4	ADS 2RU panel + 4 LK 25 panel female
ADS DF 25 5	ADS 2RU panel + 5 LK 25 panel female
ADS DM 25 1	ADS 2RU panel + 1 LK 25 panel male
ADS DM 25 2	ADS 2RU panel + 2 LK 25 panel male
ADS DM 54 1	ADS 2RU panel + 1 LK 54 panel male
ADS DM 54 2	ADS 2RU panel + 2 LK 54 panel male
ADS DM 85 1	ADS 2RU panel + 1 LK 85 panel male
ADS DM 85 2	ADS 2RU panel + 2 LK 85 panel male
ADS DM150 148	ADS 2RU panel + 1 LK 150 panel male 48 ch.
ADS DM150 248	ADS 2RU panel + 2 LK 150 panel male 48 ch.
ADS DM200 164	ADS 2RU panel + 1 LK 200 panel male 64 ch.
ADS DM200 264	ADS 2RU panel + 2 LK 200 panel male 64 ch.



Not suitable for application above 50 V ac; 75 volt dc.

Outboard Boxes

ADS BP



ADS BP LK12

The compact design of the New ADS BP box is ideal where space is at premium. The ADS BP LK has an LK multipin chassis connector mounted on the box, which allows the multipair cable to be disconnected for storage. The ADS BP come with SS cable (individually shielded multipair eurocable) in different lengths.



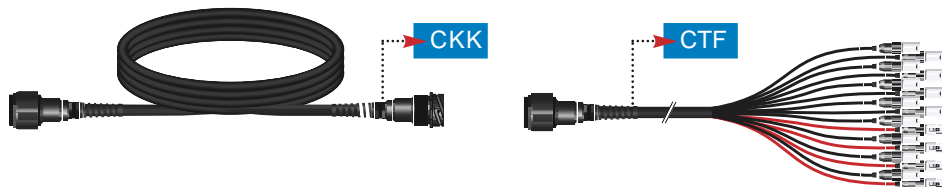
ADS BP 08 05

Code	
ADS BP LK08*	ADS box 8 IN with LK 25 male chassis connector
ADS BP 08 05	ADS box 8 IN with LK 25 male cable m 5
ADS BP 08 10	ADS box 8 IN with LK 25 male cable m 10
ADS BP 08 15	ADS box 8 IN with LK 25 male cable m 15
ADS BP 08 20	ADS box 8 IN with LK 25 male cable m 20
ADS BP LK12*	ADS box 12 IN with LK 37 male chassis connector
ADS BP 12 05	ADS box 12 IN with LK 37 male cable m 5
ADS BP 12 10	ADS box 12 IN with LK 37 male cable m 10
ADS BP 12 15	ADS box 12 IN with LK 37 male cable m 15
ADS BP 12 20	ADS box 12 IN with LK 37 male cable m 20

* For the extensions see pages 10 - 11

AD Distribution extensions and fan out

All the extensions and fan out described below can be used with AD Distribution system and are assembled using individually shielded multipair SS eurocable and the multipin LK connectors range (from 85 to 200 pins). The CKK extension range is terminated with LK multipin cable connectors on both end, to permit the connection between the XLRs fan out and the stage box.



Ch	Cable (m)	Code	Description	Suggested cable reels
24	10	CKK 85SD10	Extension 24 ch. LK 85 cable male/female m 10	
	50	CKK 85SD50	Extension 24 ch. LK 85 cable male/female m 50	AV HD260
	70	CKK 85SD70	Extension 24 ch. LK 85 cable male/female m 70	AV HD350
32	100	CKK 85SD100	Extension 24 ch. LK 85 cable male/female m 100	AV HD500
	10	CKK 15032SD10	Extension 32 ch. LK 150 cable male/female m 10	
	50	CKK 15032SD50	Extension 32 ch. LK 150 cable male/female m 50	AV HD350
	70	CKK 15032SD70	Extension 32 ch. LK 150 cable male/female m 70	AV HD500
40	100	CKK 15032SD100	Extension 32 ch. LK 150 cable male/female m 100	AV HD600R
	10	CKK 15040SD10	Extension 40 ch. LK 150 cable male/female m 10	
	50	CKK 15040SD50	Extension 40 ch. LK 150 cable male/female m 50	AV HD500
	70	CKK 15040SD70	Extension 40 ch. LK 150 cable male/female m 70	AV HD600R
48	100	CKK 15040SD100	Extension 40 ch. LK 150 cable male/female m 100	AV HD600R
	10	CKK 15048SD10	Extension 48 ch. LK 150 cable male/female m 10	
	50	CKK 15048SD50	Extension 48 ch. LK 150 cable male/female m 50	AV HD500
	70	CKK 15048SD70	Extension 48 ch. LK 150 cable male/female m 70	AV HD600R
56	100	CKK 15048SD100	Extension 48 ch. LK 150 cable male/female m 100	AV HD600R
	10	CKK 20056SD10	Extension 56 ch. LK 200 cable male/female m 10	
	50	CKK 20056SD50	Extension 56 ch. LK 200 cable male/female m 50	AV HD500
	70	CKK 20056SD70	Extension 56 ch. LK 200 cable male/female m 70	AV HD600R
64	100	CKK 20056SD100	Extension 56 ch. LK 200 cable male/female m 100	AV HD600
	10	CKK 20064SD10	Extension 64 ch. LK 200 cable male/female m 10	
	50	CKK 20064SD50	Extension 64 ch. LK 200 cable male/female m 50	AV HD600R
	70	CKK 20064SD70	Extension 64 ch. LK 200 cable male/female m 70	AV HD600R

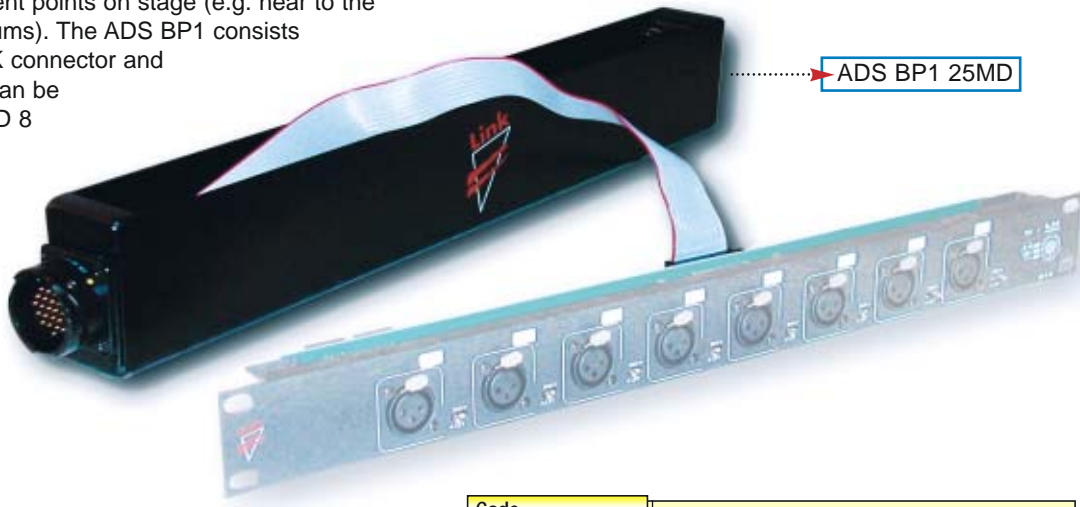


Not suitable for application above 50 V ac; 75 volt dc.

Outboard Boxes

ADS BP1

These boxes have been designed to permit the input signal to be distributed to different points on stage (e.g. near to the singer, or to the drums). The ADS BP1 consists of a box with an LK connector and a flat cable which can be connected to the AD 8 modules.

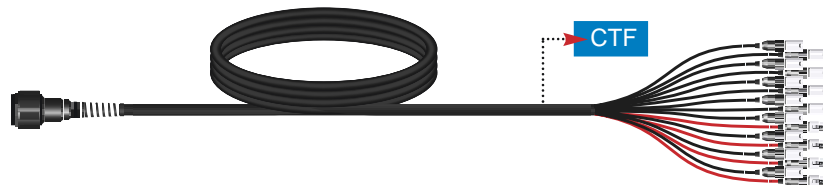


Code	Description
ADS BP1 25FD	ADS 1RU box with LK 25 female panel and flat cable
ADS BP1 25MD	ADS 1RU box with LK 25 male panel and flat cable

The CTF fan out range has an LK multipin cable connector at one end (CKK or Stage Box) and XLRs on the other end (Mixer) with an 100 cm Fan-Out. This is made up of pairs which are protected by a special "Heat-shrink" jacket maintaining flexibility. They are black coloured for Mixer IN's and red for Mixer OUT's. The XLR machined pin connectors are made by Amphenol. The extensions may be rolled up on one of the above suggested cable reels for easy handling.

Available on request:

- With Dust cups
- With Rubber locking ring
- With Mesh cable gland
- Different cable configurations (SSA, SSS, SSAD)
- Different lengths



IN	OUT	Cable (m)	Code	Description
16	8	3	CTF5DS03M16F8	Snake LK 85 cable fem w/ 16 XLR cable male + 8 fem m 3
		10	CTF5DS10M16F8	Snake LK 85 cable fem w/ 16 XLR cable male + 8 fem m 10
24	-	3	CTF5DS03M24	Snake LK 85 cable fem w/ 24 XLR cable male m 3
		10	CTF5DS10M24	Snake LK 85 cable fem w/ 24 XLR cable male m 10
24	8	3	CTF6DS03M24F8	Snake LK 150 cable fem w/ 24 XLR cable male + 8 fem m 3
		10	CTF6DS10M24F8	Snake LK 150 cable fem w/ 24 XLR cable male + 8 fem m 10
32	-	3	CTF6DS03M32	Snake LK 150 cable fem w/ 32 XLR cable male m 3
		10	CTF6DS10M32	Snake LK 150 cable fem w/ 32 XLR cable male m 10
32	8	3	CTF6DS03M32F8	Snake LK 150 cable fem w/ 32 XLR cable male + 8 fem m 3
		10	CTF6DS10M32F8	Snake LK 150 cable fem w/ 32 XLR cable male + 8 fem m 10
40	-	3	CTF6DS03M40	Snake LK 150 cable fem w/ 40 XLR cable male m 3
		10	CTF6DS10M40	Snake LK 150 cable fem w/ 40 XLR cable male m 10
40	8	3	CTF6DS03M40F8	Snake LK 150 cable fem w/ 40 XLR cable male + 8 fem m 3
		10	CTF6DS10M40F8	Snake LK 150 cable fem w/ 40 XLR cable male + 8 fem m 10
48	-	3	CTF6DS03M48	Snake LK 150 cable fem w/ 48 XLR cable male m 3
		10	CTF6DS10M48	Snake LK 150 cable fem w/ 48 XLR cable male m 10
48	8	3	CTF7DS03M48F8	Snake LK 200 cable fem w/ 48 XLR cable male + 8 fem m 3
		10	CTF7DS10M48F8	Snake LK 200 cable fem w/ 48 XLR cable male + 8 fem m 10
56	-	3	CTF7DS03M56	Snake LK 200 cable fem w/ 56 XLR cable male m 3
		10	CTF7DS10M56	Snake LK 200 cable fem w/ 56 XLR cable male m 10
56	8	3	CTF7DS03M56F8	Snake LK 200 cable fem w/ 56 XLR cable male + 8 fem m 3
		10	CTF7DS10M56F8	Snake LK 200 cable fem w/ 56 XLR cable male + 8 fem m 10
64	-	3	CTF7DS03M64	Snake LK 200 cable fem w/ 64 XLR cable male m 3

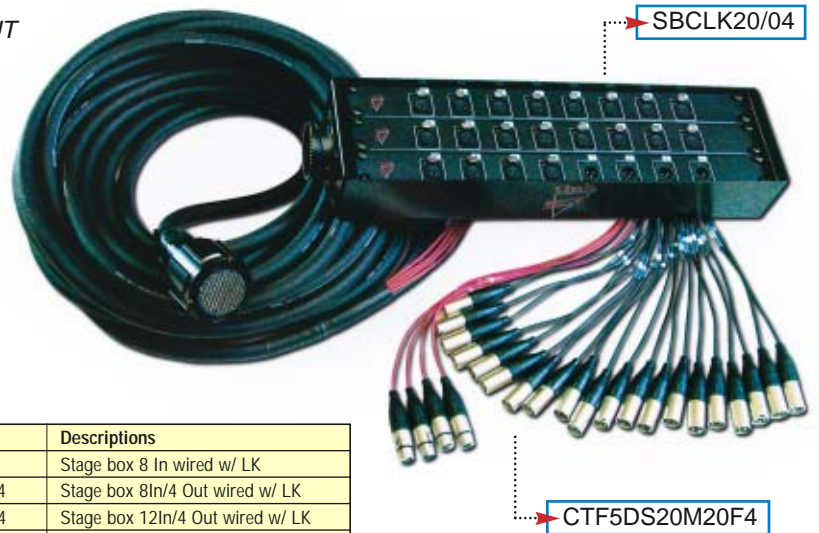
Not suitable for application above 50 V ac; 75 volt dc.



SBLK System

The SBLK System, permit separate IN & OUT channels on Stage by running only one multipair cable on the long distance (Stage to Mix).

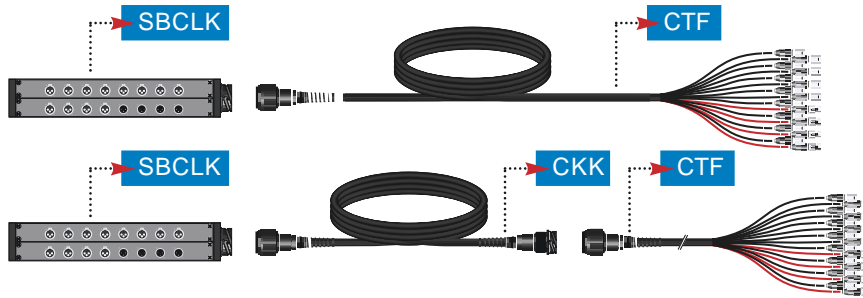
The box is manufactured in 15/10 mild steel and is finished in black-dust epoxy. It is equipped with IN and OUT Amphenol XLRs.



IN	OUT	Connector	Box units	Code	Descriptions
8	-	LK 25	1U	SBCLK08	Stage box 8 In wired w/ LK
8	4	LK 37	2U	SBCLK08/04	Stage box 8In/4 Out wired w/ LK
12	4	LK 54	3U	SBCLK12/04	Stage box 12In/4 Out wired w/ LK
16	4	LK 85	3U	SBCLK16/04	Stage box 20 In wired w/ LK
16	8	LK 85	3U	SBCLK16/08	Stage box 16In/8 Out wired w/ LK
20	4	LK 85	3U	SBCLK20/04	Stage box 20In/4 Out wired w/ LK
24	4	LK 85	3U	SBCLK24/04	Stage box 24In/4 Out wired w/ LK
24	8	LK 150	3U	SBCLK24/08	Stage box 24In/8 Out wired w/ LK
28	4	LK 150	3U	SBCLK28/04	Stage box 28In/4 Out wired w/ LK
32	8	LK 150	4U	SBCLK32/08	Stage box 32In/8 Out wired w/ LK

SBLK and SB2LK extensions and fan out

All the extensions described below can be used with both SBLK and SB2LK systems and are assembled using individually shielded multipair SS eurocable and the multipin LK connectors range (from 25 to 150 pins). Each SBLK/SB2LK System ends with an 100 cm Fan-Out. This is made up of pairs which are protected by a special "Heat-shrink" jacket maintaining flexibility. They are black coloured for Mixer IN's and red for Mixer OUT's. The XLR machined pin connectors are made by Amphenol.



Available on request:

- With Dust cups
- With Rubber locking ring
- With Mesh cable gland
- Different cable configurations (SSA, SSS, SSAD)
- Different lengths

Not suitable for application above 50 V ac; 75 volt dc.

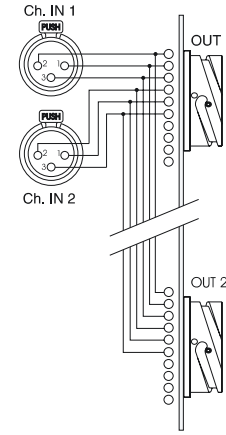
IN	OUT	Cable (m)	Code	Description	Cable (m)	Code
8	-	20	CTF2DS20M8	Snake LK 25 cable female + 8 XLR cable males m 20	30	CKK 25SD30
		30	CTF2DS30M8	Snake LK 25 cable female + 8 XLR cable males m 30	50	CKK 25SD50
8	4	20	CTF3DS20M8F4	Snake LK 37 cable fem w/ 8 XLR cable male + 4 fem m 20	30	CKK 37SD30
		30	CTF3DS30M8F4	Snake LK 37 cable fem w/ 8 XLR cable male + 4 fem m 30	50	CKK 37SD50
12	4	20	CTF4DS20M12F4	Snake LK 54 cable fem w/ 12 XLR cable male + 4 fem m 20	30	CKK 54SD30
		30	CTF4DS30M12F4	Snake LK 54 cable fem w/ 12 XLR cable male + 4 fem m 30	50	CKK 54SD50
16	4	20	CTF5DS20M16F4	Snake LK 85 cable fem w/ 16 XLR cable male + 4 fem m 20	30	CKK 8520SD30
		30	CTF5DS30M16F4	Snake LK 85 cable fem w/ 16 XLR cable male + 4 fem m 30	50	CKK 8520SD50
16	8	20	CTF5DS20M16F8	Snake LK 85 cable fem w/ 16 XLR cable male + 8 fem m 20	30	CKK 85SD30
		30	CTF5DS30M16F8	Snake LK 85 cable fem w/ 16 XLR cable male + 8 fem m 30	50	CKK 85SD50
20	4	20	CTF5DS20M20F4	Snake LK 85 cable fem w/ 20 XLR cable male + 4 fem m 20	30	CKK 85SD30
		30	CTF5DS30M20F4	Snake LK 85 cable fem w/ 20 XLR cable male + 4 fem m 30	50	CKK 85SD50
24	4	20	CTF5DS20M24F4	Snake LK 85 cable fem w/ 24 XLR cable male + 4 fem m 20	30	CKK 8528SD30
		30	CTF5DS30M24F4	Snake LK 85 cable fem w/ 24 XLR cable male + 4 fem m 30	50	CKK 8528SD50
24	8	20	CTF6DS20M24F8	Snake LK 150 cable fem w/ 24 XLR cable male + 8 fem m 20	30	CKK 15032SD30
		30	CTF6DS30M24F8	Snake LK 150 cable fem w/ 24 XLR cable male + 8 fem m 30	50	CKK 15032SD50
28	4	20	CTF6DS20M28F4	Snake LK 150 cable fem w/ 28 XLR cable male + 4 fem m 20	30	CKK 15032SD30
		30	CTF6DS30M28F4	Snake LK 150 cable fem w/ 28 XLR cable male + 4 fem m 30	50	CKK 15032SD50
32	8	20	CTF6DS20M32F8	Snake LK 150 cable fem w/ 32 XLR cable male + 8 fem m 20	30	CKK 15040SD30
		30	CTF6DS30M32F8	Snake LK 150 cable fem w/ 32 XLR cable male + 8 fem m 30	50	CKK 15040SD50

SB2LK System

The SB2LK System is ideal for applications where two mixers (FOH and MON) are used. As in the SBLK system, it has a second LK multipin chassis connector on the box in parallel for the Monitor Mixer. The extensions and fan out (the same as those used with the SBLK system) are available in different versions to give maximum flexibility to the entire system.



SBC2LK20/04

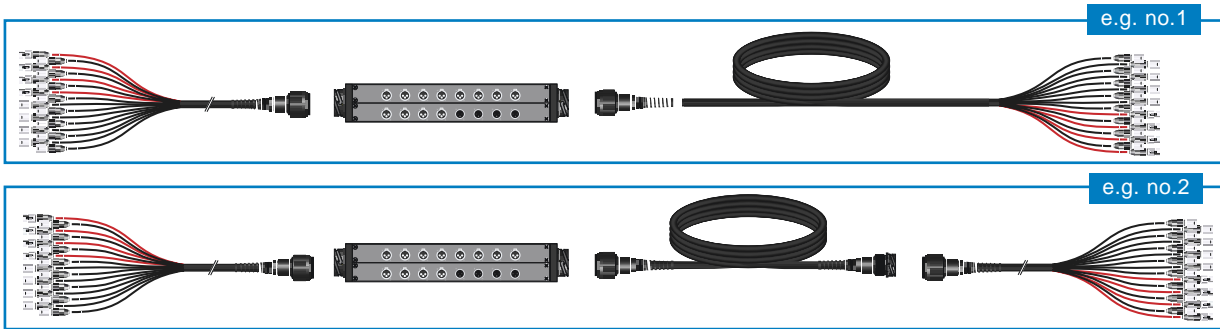


IN	OUT	Connectors	Box units	Code	Descriptions
20	4	2 LK 85	3U	SBC2LK20/04	Stage box 20In/4Out wired w/ LK
24	4	2 LK 85	3U	SBC2LK24/04	Stage box 24In/4Out wired w/ LK
28	4	2 LK 150	3U	SBC2LK28/04	Stage box 28In/4Out wired w/ LK
32	8	2 LK 150	4U	SBC2LK32/08	Stage box 32In/8Out wired w/ LK

The connection between the stage and mixer will be made by:

- running along CTF extension (e.g. 20 m). In this case the connection will be made directly by using the CTF (see e.g. no.1).
- running a multipair extension CKK (ending with LK cable connectors on both end) plus a Short CTF (e.g. 3 m). This solution allows all the XLRs to be connected to the Mixer and connect/disconnect only the LK multipin connector each time (see e.g. no. 2).

The short CTF extension can be stored in the Mixer Flight-Case. The CKK extension may be rolled up on one of the above suggested cable reels for easy handling.



Description	Cable (m)	Code	Description
Extension 8 ch. LK 25 cable male/female m 30	3	CTF2DS03M8	Snake LK 25 cable female + 8 XLR cable male m 3
Extension 8 ch. LK 25 cable male/female m 50			
Extension 12 ch. LK 37 cable male/female m 30	3	CTF3DS03M8F4	Snake LK 37 cable fem w/ 8 XLR cable male + 4 fem m 3
Extension 12 ch. LK 37 cable male/female m 50			
Extension 16 ch. LK 54 cable male/female m 30	3	CTF4DS03M12F4	Snake LK 54 cable fem w/ 12 XLR cable male + 4 fem m 3
Extension 16 ch. LK 54 cable male/female m 50			
Extension 20 ch. LK 85 cable male/female m 30	3	CTF5DS03M16F4	Snake LK 85 cable fem w/ 16 XLR cable male + 4 fem m 3
Extension 20 ch. LK 85 cable male/female m 50			
Extension 24 ch. LK 85 cable male/female m 30	3	CTF5DS03M16F8	Snake LK 85 cable fem w/ 16 XLR cable male + 8 fem m 3
Extension 24 ch. LK 85 cable male/female m 50			
Extension 24 ch. LK 85 cable male/female m 30	3	CTF5DS03M20F4	Snake LK 85 cable fem w/ 20 XLR cable male + 4 fem m 3
Extension 24 ch. LK 85 cable male/female m 50			
Extension 28 ch. LK 85 cable male/female m 30	3	CTF5DS03M24F4	Snake LK 85 cable fem w/ 24 XLR cable male + 4 fem m 3
Extension 28 ch. LK 85 cable male/female m 50			
Extension 32 ch. LK 150 cable male/female m 30	3	CTF6DS03M24F8	Snake LK 150 cable fem w/ 24 XLR cable male + 8 fem m 3
Extension 32 ch. LK 150 cable male/female m 50			
Extension 32 ch. LK 150 cable male/female m 30	3	CTF6DS03M28F4	Snake LK 150 cable fem w/ 28 XLR cable male + 4 fem m 3
Extension 32 ch. LK 150 cable male/female m 50			
Extension 40 ch. LK 150 cable male/female m 30	3	CTF6DS03M32F8	Snake LK 150 cable fem w/ 32 XLR cable male + 8 fem m 3
Extension 40 ch. LK 150 cable male/female m 50			

Not suitable for application above 50 V ac; 75 volt dc.



Distribution

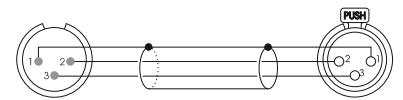
SB System

The SB System has been designed for live applications where a single Mixer is used. It consists of stage extensions that permit separate IN & OUT channels on Stage by running only one cable on the long distance (Stage to Mixer). The box is manufactured in 15/10 mild steel and is finished in black-dust epoxy. It is equipped with IN and OUT Amphenol plastic XLRs. The SS cable (individually shielded multipair eurocable) may come in different lengths. The SB System ends with an 100 cm Fan Out. This is made up of pairs which are protected by a special "Heat-shrink" jacket maintaining flexibility. They are black coloured for Mixer IN's and red for Mixer OUT's.

IN	OUT	Cable lengths (m)	Box units	Code	Description
8	-	10	1U	SB08SS10	Stage box 8 In m 10
8	-	20	1U	SB08SS20	Stage box 8 In m 20
8	-	30	1U	SB08SS30	Stage box 8 In m 30
8	-	40	1U	SB08SS40	Stage box 8 In m 40
8	-	50	1U	SB08SS50	Stage box 8 In m 50
8	-	60	1U	SB08SS60	Stage box 8 In m 60
8	4	10	1U	SB08/04SS10	Stage box 8 In 4 Out m 10
8	4	20	1U	SB08/04SS20	Stage box 8 In 4 Out m 20
8	4	30	1U	SB08/04SS30	Stage box 8 In 4 Out m 30
12	-	15	2U	SB12SS15	Stage box 12 In m 15
12	-	20	2U	SB12SS20	Stage box 12 In m 20
12	4	10	2U	SB12/04SS10	Stage box 12 In 4 Out m 10
12	4	20	2U	SB12/04SS20	Stage box 12 In 4 Out m 20
12	4	30	2U	SB12/04SS30	Stage box 12 In 4 Out m 30
12	4	50	2U	SB12/04SS50	Stage box 12 In 4 Out m 50
16	-	20	2U	SB16SS20	Stage box 16 In m 20
16	-	30	2U	SB16SS30	Stage box 16 In m 30
16	4	20	2U	SB16/04SS20	Stage box 16 In 4 Out m 20
16	4	30	2U	SB16/04SS30	Stage box 16 In 4 Out m 30
20	4	30	2U	SB20/04SS30	Stage box 20 In 4 Out m 30
20	4	50	2U	SB20/04SS50	Stage box 20 In 4 Out m 50
24	-	20	2U	SB24SS20	Stage box 24 In - m 20
24	4	30	3U	SB24/04SS30	Stage box 24 In 4 Out m 30
28	4	30	3U	SB28/04SS30	Stage box 28 In 4 Out m 30
28	4	50	3U	SB28/04SS50	Stage box 28 In 4 Out m 50



SB20/04SS30



Connection is Pin to Pin by eurocable individually shielded pairs.

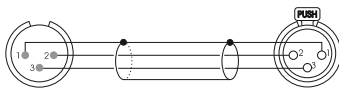
SBAV System

The SBAV System links the advantage of having separate IN and OUT channels on Stage while running only one "long distance cable" (Stage to Mixer) with the facility of rolling up the cable by a cable reel.

The XLR plugs and sockets made by Amphenol are mounted on the cable reel side panel. The SS cable (individually shielded multipair eurocable) stored on the cable reel can be up to 30 m in length for the 24 pairs; the SBAV System ends with an 100 cm Fan-Out. This is made up of pairs which are protected by a special "Heat-shrink" jacket maintaining flexibility. They are black coloured for Mixer IN's and red for Mixer OUT's.



SBAVM12/M50



Connection is Pin to Pin by eurocable individually shielded pairs.

IN	OUT	Cable length (m)	Cable reels	Code	Descriptions
4	-	20	AV AX 100	SBAVP04M20	Stage box plastic cable reel 4 In m 20
4	-	30	AV AX 100	SBAVP04M30	Stage box plastic cable reel 4 In m 30
4	-	50	AV SP 380	SBAVP04M50	Stage box plastic cable reel 4 In m 50
8	-	20	AV SP 380	SBAVP08M20	Stage box plastic cable reel 8 In m 20
8	-	30	AV SP 380	SBAVP08M30	Stage box plastic cable reel 8 In m 30
8	-	50	AV SP 380	SBAVP08M50	Stage box plastic cable reel 8 In m 50
12	-	30	AV SP 380	SBAVP12M30	Stage box plastic cable reel 12 In m 30
12	-	50	AV SK 460	SBAVM12M50	Stage box metal cable reel 12In m 50
12	4	30	AV SP 450	SBAVP12/4M30	Stage box plastic cable reel 12In 4Out m30
12	4	50	AV SP 450	SBAVP12/4M50	Stage box plastic cable reel 12In 4Out m50
12	4	30	AV SK 460	SBAVM12/4M30	Stage box metal cable reel 12In 4Out m30
12	4	50	AV SK 460	SBAVM12/4M50	Stage box metal cable reel 12In 4Out m50
16	4	30	AV SP 450	SBAVP16/4M30	Stage box plastic cable reel 16In 4Out m30
20	4	20	AV SP 450	SBAVP20/4M20	Stage box plastic cable reel 20In 4Out m20
20	4	30	AV SP 450	SBAVP20/4M30	Stage box plastic cable reel 20In 4Out m30

Not suitable for application above 50 V ac; 75 volt dc.

ENG-EFP Systems

Purposely designed for Reporter Sites, where different kinds of signals need to be connected, while running only one cable. The CRON1 boxes allow the connection of 6 audio, 4 video, 4 intercoms and 1 power 3x1,5 mm². The A8V6P1 has 8 audio, 6 video and 1 power 3x1,5 mm². All ENG boxes feature 10A magneto-thermal differential and are available in two configurations: with one or two LK connectors. The two LK versions permit the connection of further boxes to connect more than one multi-signal location.

Code	Boxes
SBCLK1CRON01	Cron 1 ENG Box w/ LK 54 MP
SBCLK2CRON01	Cron 1 ENG Box w/ LK 54 MP and FP
SBCLK1A8V6P1	A8V6P1 ENG Box w/ LK 54 MP
SBCLK2A8V6P1	A8V6P1 ENG Box w/ LK 54 MP and FP



CKK 54MD25

Code	Extensions
CKK 54RD25	Extension CRON 1 w/LK 54 FV/MV 25 m
CKK 54RD50	Extension CRON 1 w/LK 54 FV/MV 50 m
CKK 54RD100	Extension CRON 1 w/LK 54 FV/MV 100 m
CKK 54MD25	Extension A8V6P1 w/LK 54 FV/MV 25 m
CKK 54MD50	Extension A8V6P1 w/LK 54 FV/MV 50 m
CKK 54MD100	Extension A8V6P1 w/LK 54 FV/MV 100 m

SBCLK2CRON01

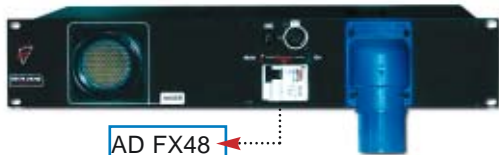
CTF4RD50



CTM4MD03

Code	Snakes with fan out
CTF4RD03	CRON 01 Snake 3 m LK 54 FV w/ fan out 6 XLR, 4 BNC, 4 ICM, 1 Power
CTF4RD50	CRON 01 Snake 50 m LK 54 FV w/ fan out 6 XLR, 4 BNC, 4 ICM, 1 Power
CTF4MD03	A8V6P1 Snake 3 m LK 54 FV w/ fan out 8 XLR, 6 BNC, 1 Power
CTF4MD50	A8V6P1 Snake 50 m LK 54 FV w/ fan out 8 XLR, 6 BNC, 1 Power
CTM4RD03	CRON 01 Snake 3 m LK 54 MV w/ fan out 6 XLR, 4 BNC, 4 ICM, 1 Power
CTM4RD50	CRON 01 Snake 50 m LK 54 MV w/ fan out 6 XLR, 4 BNC, 4 ICM, 1 Power
CTM4MD03	A8V6P1 Snake 3 m LK 54 MV w/ fan out 8 XLR, 6 BNC, 1 Power
CTM4MD50	A8V6P1 Snake 50 m LK 54 MV w/ fan out 8 XLR, 6 BNC, 1 Power

Outboard Effects Boxes



AD FX48



Code	
AD FX24	AD 24 ch. Outboard box with power supply
AD FX48	AD 48 ch. Outboard box with power supply
AD SN24JS	AD 24 ch. Snake with 6,6 stereo jacks m 5
AD SN48JS	AD 48 ch. Snake with 6,6 stereo jacks m 5

During a tour the need to repeat this operation many times can become costly and time consuming. The Outboard Effect Box has been designed to make this operation easier and quicker by permitting only one connector to disconnect the two units while maintaining each time the same wiring originally selected between the Mixer and the Effects Rack. The 2RU front panel is equipped with a multipin LK connector, EEC 16A plug and bipolar magneto-thermal switch. The back panel is equipped with 24 or 48 balanced stereo Jacks and an EEC 16A socket. The LK connector and the Jacks are PCB mounted and connected (in groups of 8 channels) by flat cable. The audio distribution section is shielded by a metal plate that separates the electrical wiring. The fan out are assembled using SS cable (individually shielded multipair eurocable) and LK 150 FV (48 ch) or LK 85 FV (24 ch); the stereo Jacks are the metal version. LK connectors in rubber locking ring version are available on request.



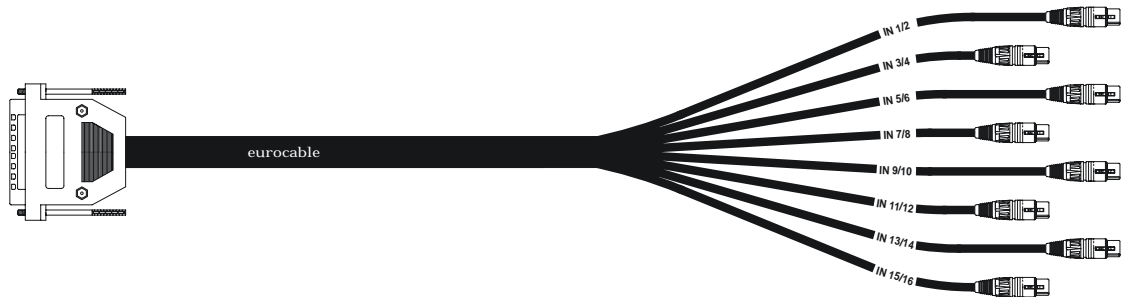
Box Yamaha



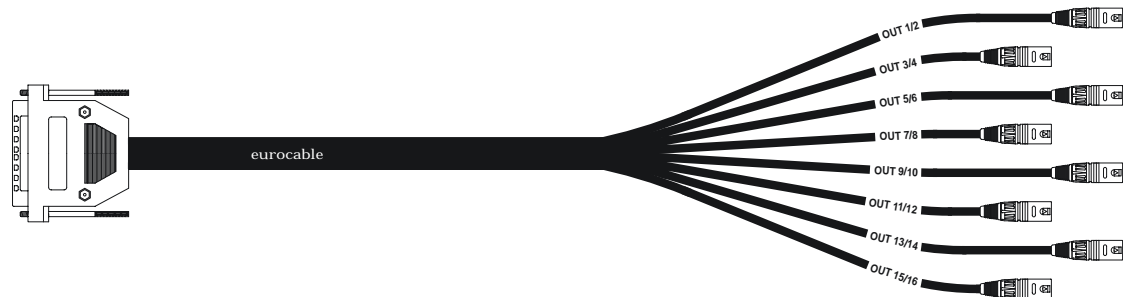
Link has designed an interface for "live" connection of PM1D System that will guarantee easy and "safe" connection each set-up. With an unique cable wired with an exclusive LK Connectors (the only one in the world composed by 120 pins plus 2 coax contacts) it's possible to carry the 34 pairs SCSI for Digital I/O, 2 coax cables 50 for Control I/O and 8 analogic audio returns for any necessities. To replace the D-Sub 68 pins half pitch SCSI connector, a 72 pin bayonet connector made by LK Connectors has been used. Two system can be used for redundant connection.

Interconnection Cables for Digital Systems

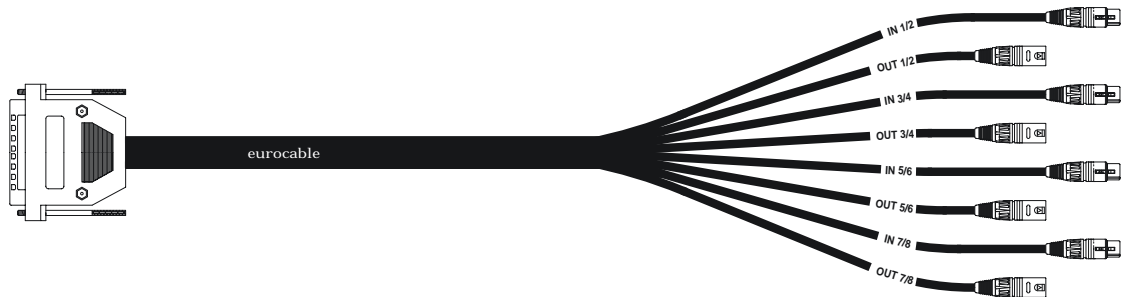
These cables permit to connect balanced input and output on the most important audio digital transmission devices such as YAMAHA digital mixer and Protools software. The extensions are manufactured by AES/EBU multipair digital eurocable and XLR, Jacks or Bantam of quality. Any different lenght and configuration are available on request.



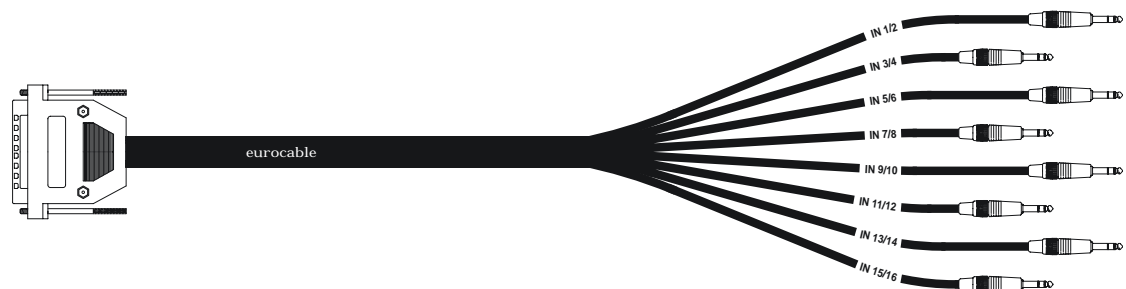
Code	Digital cables w/XLR
CV03D SD25XLR8F	AES/EBU 110 ohm digital cable 3m + 1 fan out with 1 Sub-D 25 pin cable male connector and 8 XLR cable female
CV03D SDY25XLR8F	AES/EBU 110 ohm digital cable 3m + 1 fan out with 1 Sub-D 25 pin cable male connector and 8 XLR cable female (Yamaha standard fixing screws)



Code	Digital cables w/XLR
CV03D SD25XLR8M	AES/EBU 110 ohm digital cable 3m + 1 fan out with 1 Sub-D 25 pin cable male connector and 8 XLR cable male
CV03D SDY25XLR8M	AES/EBU 110 ohm digital cable 3m + 1 fan out with 1 Sub-D 25 pin cable male connector and 8 XLR cable male (Yamaha standard fixing screws)



Code	Digital cables w/XLR
CV03D SD25XLR4F4M	AES/EBU 110 ohm digital cable 3m+1 fan out with 1 Sub-D 25 pin cable male connector and 4 XLR cable female +4 XLR cable male
CV03D SDY25XLR4F4M	AES/EBU 110 ohm digital cable 3m+1 fan out with 1 Sub-D 25 pin cable male connector and 4 XLR cable female +4 XLR cable male (Yamaha standard fixing screws)

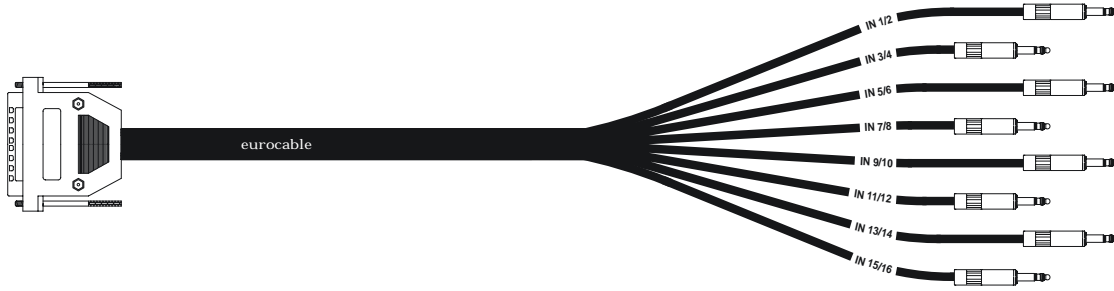


Code	Digital cables w/JACKS
CV03D SD25JACK	AES/EBU 110 ohm digital cable 3m+1 fan out with 1 Sub-D 25 pin cable male connector and 8 Jack Stereo 6.3 mm cable male
CV03D SDY25JACK	AES/EBU 110 ohm digital cable 3m+1 fan out with 1 Sub-D 25 pin cable male connector and 8 Jack Stereo 6.3 mm cable male (Yamaha standard fixing screws)

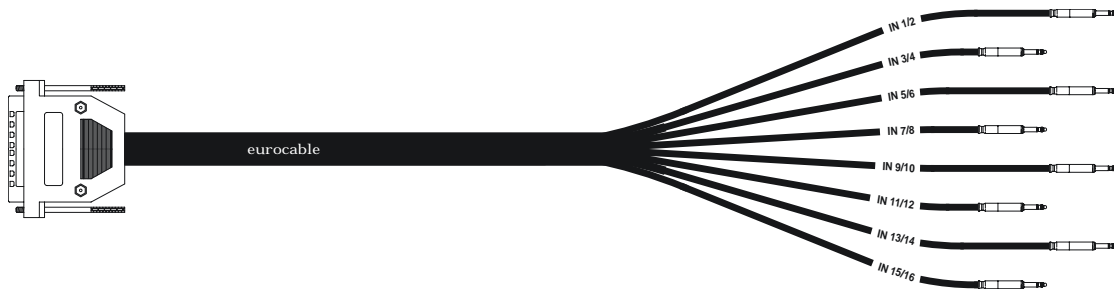


Not suitable for application above 50 V ac; 75 volt dc.

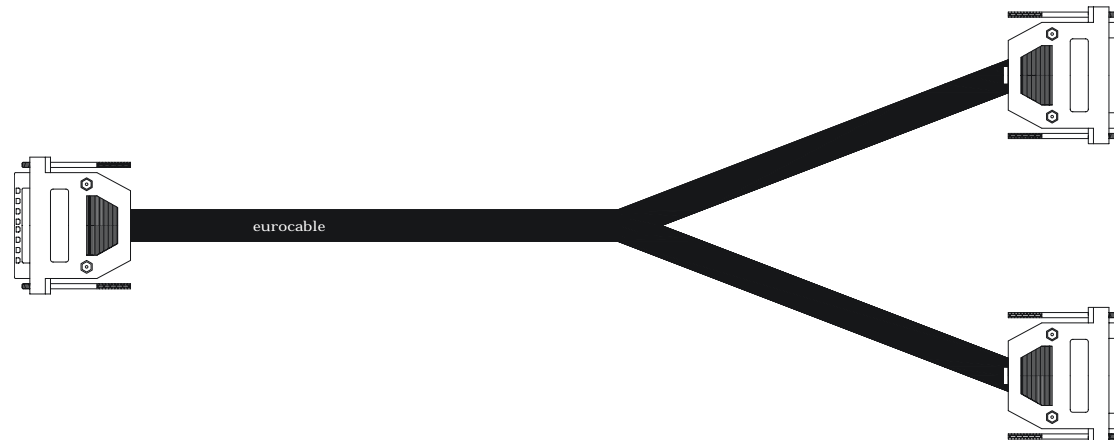
Interconnection Cables for Digital Systems



Code	Digital cables w/JACKS
CV03D SD25JACK1/8	AES/EBU 110 ohm digital cable 3m + 1 fan out with 1 Sub-D 25 pin cable male and 8 Jack Stereo 1/4" cable male
CV03D SDY25JACK1/8	AES/EBU 110 ohm digital cable 3m + 1 fan out with 1 Sub-D 25 pin cable male and 8 Jack Stereo 1/4" cable male (Yamaha standard fixing screws)



Code	Digital cables w/JACKS
CV03D SD25JACK1/8	AES/EBU 110 ohm digital cable 3m + 1 fan out with 1 Sub-D 25 pin cable male and 8 Jack Stereo 1/8" cable male
CV03D SDY25JACK1/8	AES/EBU 110 ohm digital cable 3m + 1 fan out with 1 Sub-D 25 pin cable male and 8 Jack Stereo 1/8" cable male (Yamaha standard fixing screws)



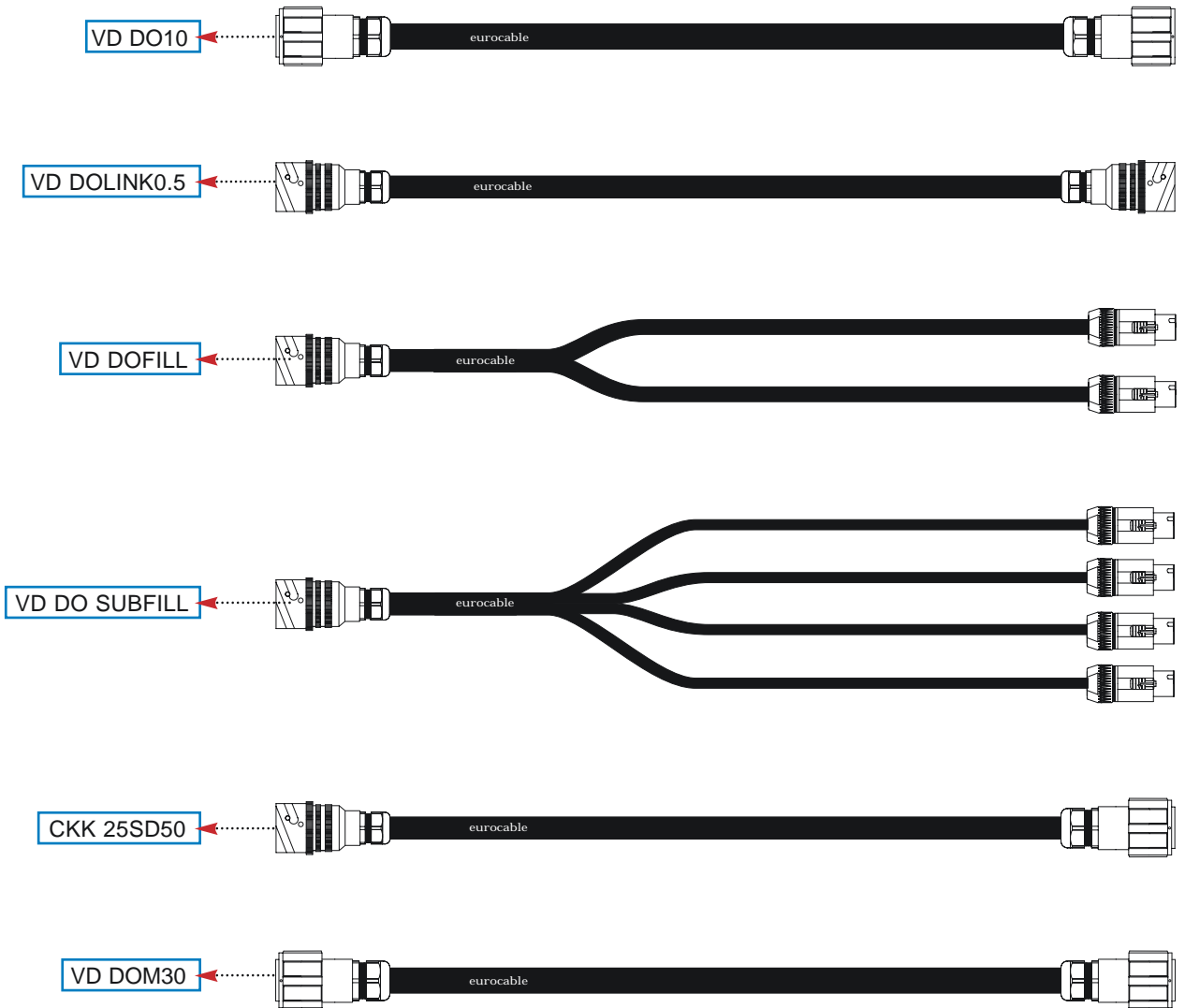
Code	Digital cables w/SUB-D
CV03D SD25M/M	AES/EBU 110 ohm digital cable 3m with 2 connectors Sub-D 25 pin cable male
CV03D SDY25M/M	AES/EBU 110 ohm digital cable 3m with 2 connectors Sub-D 25 pin cable male (Yamaha standard fixing screws)
CV03D SD25YM	AES/EBU 110 ohm digital cable 3m with connectors Sub-D 25 pin cable male in Y mode
CV03D SDY25YM	AES/EBU 110 ohm digital cable 3m with connectors Sub-D 25 pin cable male in Y mode (Yamaha standard fixing screws)



Not suitable for application above 50 V ac; 75 volt dc.

Interconnection Cables for Line Array

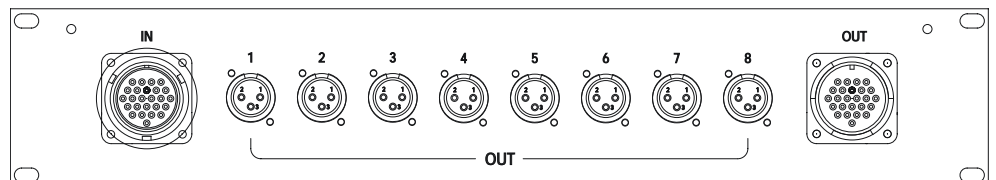
Manufactured for the interconnection devices as Outline Butterfly Line Array or L-acoustic V-DOSC® system permits flexible and reliable connections even in the critical situations.



Code	Signal cables for L-acoustic and Outline systems
VD DO10	Extension speaker cable 8x4 sqmm with 8 pins LK cable male/female with locking ring m 10
VD DOLINK0,5	Adaptor speaker cable 8x4 sqmm with 8 pins LK cable male/female without locking ring cm 50
VD DOFILL	Fan out speaker cable 8x4 sqmm with 8 pins LK cable male without locking ring and 2 Speakon 4 poles m 3,5
VD DOSUBFILL	Fan out speaker cable 8x4 sqmm with 8 pins LK cable male without locking ring and 4 Speakon 4 poles m 3,5
CKK2SSD50	Extension audio cable 8 channels LK 25 cable male/female m 50
VD DOM30	Extension audio cable 8 channels LK 19 cable female/female with locking ring m 30

Outline Panels

Prewired panels for Butterfly® systems permit to put in parallel between the input signals from the processor and the different racks just with a single cable. Manufactured by standard rack panels 2 units, one LK25 connector, female w/locking rings for input, one LK25 connector male w/out locking ring for output and 8 XLR prewired with 1mt of microphone cable ending on the back side.



Power Patch

Power Patch series patch-bays allow lamps to be assigned to dimmers or to couple lamps wherever they are positioned. The patch panels are equipped with 3 contact connectors for individually earthed lamp wiring.



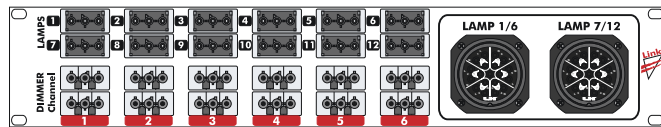
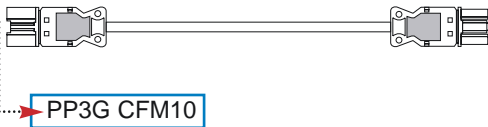
This is a typical application of power-patch. Four 6x2 kW dimmers are wired to 8 trusses, each carrying 6 lamps by LKS 19 pin chassis female connector (technical data see below). Any lamp can be coupled with another on any dimmer channel. The Littlite lamp allows for working in the dark during the show.



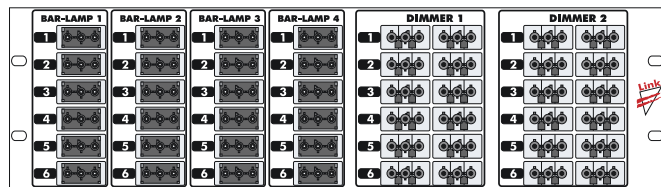
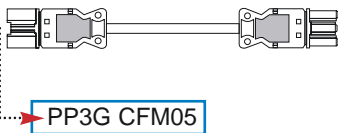
Technical data

Voltage Rating	700 V d.c. 500 V a.c.
Current Rating (20°C)	41 A max 23A Rated
Dielectric strenght	Test Voltage 2,000 V a.c. -1 min. (at sea level)
Operating temperature	-55 +125 °C
Contacts	12 AWG Copper alloy - Gold plated
Back-shell	Alluminium Alloy - Colour black
Insert	Chloroprene rubber

PP Panels

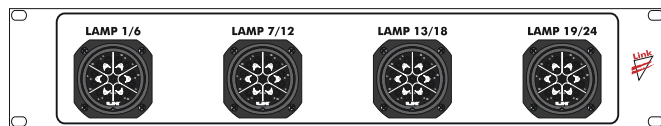


2 Units panel with 12+12 connectors (3 pins) and 2 LKS connectors (19 pins). It is designed for the connection of one 6x2kW dimmer and 2 trusses of 6 lamps.



3 Units panel with 24+24 connectors (3 pins). For connecting two 6x2kW dimmers and 4 trusses of 6 lamps.

Code	
PP3G 1212SX	3RU Pan 12+12 3-p +2 LKS fem conn
PP3G 2424	3RU Panel 24+24 3-pins conn
PP3G CFM05	Power patch-cord cabl2 m/f 50 cm
PP3G CFM10	Power patch-cord cabl2 m/f 100 cm
PP3G FP	Power patch conn 3-p panel female
PP3G FV	Power patch conn 3-p cable female
PP3G MP	Power patch conn 3-p panel male
PP3G MV	Power patch conn 3-p cable male
PP4 SXF	2RU Panel with 4 LKS female conn



2 Units panel with 4 LKS connectors (19 pins). For use with PP3G 2424.



Power Distribution Systems

The modular concept of the AL Power Distribution system allows for the assembly of Power Boxes which can be tailored to the customer's exact requirements by means of an open system which can accommodate all possible needs. Basic elements such as the Input, Output, Control and Auxiliary modules are available in a wide range of configurations. The accurate internal connections grant reliability to the system. The cable connections by **Power Link** connectors guarantee the user's safety. The extremely strong construction ensures long lasting operations. The carrying structure consists of rack profiles with top and cover panels. (See page 23)

AL Power Modules comply with IEC regulations relevant to Power Boxes and are provided with IEC certification, test reports and instructions.



In the electro-technical field the International Electro-Technical Commission (IEC) is the recognised Institute. In Italy this institute corresponds to the CEI, which is member of CENELEC, the European Authority which supervises the "Technical Rules" within the European Union.

The Power Boxes must be manufactured in accordance with and in full compliance of the European Regulation as issued by the above mentioned Authorities with regard to standards of safety and type of material need.

It is therefore essential, when commissioning this type of equipment, that the supplier can satisfy the required Rules.

All LINK Power Boxes are supplied with the following documentation:

- Project with technical report and operating instructions
- Electrical diagram
- Power Box overview
- Test report
- Manufacturer conformity declaration
- CE conformity declaration

All LINK Power Boxes are manufactured in compliance to:

- IEC 439.1; EN 60439.1 Issue 3rd;
- IEC 890;
- EN 60204.1;
- CEE 73/23 and followings; CEE 93/68;



Power Link Modules for 250/400A

They are provided with Power Link connectors mounted inside the module and protected by a locking door, which by means of a micro-switch enables the circuit breaker when the door is open. This system does not allow the connection or disconnection under load.



Code	
AL IN BPL	4RU IN Box with 5 Power Link
AL OUT BPL	4RU OUT Box with 5 Power Link

AL IN BPL

IN Modules ≤ 125A

For 16A, 32A, 63A and 125A loads, the Input modules feature an EEC 17 plug, magneto-thermal or magneto-thermal differential switch. The rear-mounted set of terminals are wired to an internal terminal box to allow other modules to be connected.

Code	
AL IN 16M	AL IN 16A 2 poles Monophase with m.thermal switch
AL IN 16MD	AL IN 16A 2 poles Monophase with m.thermal /diff.
AL IN 32M	AL IN 32A 2 poles Monophase with m.thermal switch
AL IN 32MD	AL IN 32A 2 poles Monophase with m.thermal /diff.
AL IN 32T	AL IN 32A 4 poles 3-Phases with m.thermal switch
AL IN 32TD	AL IN 32A 4 poles 3-Phases with m.thermal/diff.
AL IN 63M	AL IN 63A 2 poles Monophase with m.thermal switch
AL IN 63MD	AL IN 63A 2 poles Monophase with m.thermal/diff.
AL IN 63T	AL IN 63A 4 poles 3-Phases with m.thermal switch
AL IN 63TD	AL IN 63A 4 poles 3-Phases with m.thermal/diff
AL IN 125T	AL 4RU IN 125A 4-poles 3-Phases w/m.thermal switch
AL IN 125TD	AL 4RU IN 125A 4-poles 3-Phases w/m.thermal/diff

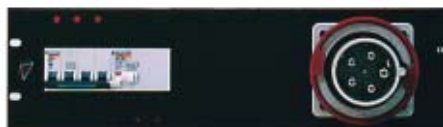
AL IN 32TD



AL IN 63MD



AL IN 63TD



AL IN 125TD



AUX Modules

The simplest and the most useful of these 2RU modules are provided with a number of universal aux sockets, with magneto-thermal differential switch.

Code	
AL AUX 5VIVG	AL AUX panel w/ 5 univ.plugs + m.thermal-diff switch
AL AUX 7VIVG	AL AUX panel w/ 7 univ.plugs + m.thermal-diff switch

AL AUX 7VIVG



AL Distribution

CRT Modules

The 3RU modules allow the whole Power Box to be monitored. By means of these modules the voltage between the phases and neutral (220V) or between the phases themselves (380V) as well as absorption of the individual phases and the frequencies can be checked. These modules are provided with universal aux sockets protected by a magneto-thermal differential switch. In the case of modules with an ampermetre (A) the toroidal windings are also included.

Code	
AL CTR V	AL 3RU mod.w/voltmetre+ 6 prot.univ.sock.
AL CTR VA	AL 3RU mod.w/volt.+ampermt.+ 5 prot.univ.sock.
AL CTR V T	AL 3RU mod.w/volt.comm 3-phases+ 5 prot.univ.sock.
AL CTR VA T	AL 3RU mod.w/volt.+ampermt.comm 3-phase+ 5 prot.univ.sock.
AL CTR VAF T	AL 3RU mod.w/volt.+ampermt.+freq.comm 3-ph+ 5 prot.univ.sock.

AL CTR VA T



OUT Modules

The Output modules feature 1, 3 or 4 EEC sockets, individually protected by a magneto-thermal switch or magneto-thermal differential switch, with a red warning light on each phase. The rear-mounted terminals for the phases, neutral and earth are wired to an internal terminal box to allow for the connection of the other modules.

Code	
AL OUT 16M	AL 3RU OUT 4x16A Monophase + m.thermal switch
AL OUT 16MD	AL 3RU OUT 4x16A Monophase + m.thermal/diff.
AL OUT 16T	AL 6RU OUT 3x16A 3-Phases + m.thermal switch
AL OUT 16TD	AL 6RU OUT 3x16A 3-Phases + m.thermal/diff.
AL OUT 32M	AL 3RU OUT 3x32A Monophase + m.thermal switch
AL OUT 32MD	AL 3RU OUT 3x32A Monophase + m.thermal/diff.
AL OUT 32T	AL 6RU OUT 3x32A 3-Phases + m.thermal switch
AL OUT 32TD	AL 6RU OUT 3x32A 3-Phases + m.thermal/diff.
AL OUT 63M	AL 6RU OUT 3x63A Monophase + m.thermal switch
AL OUT 63MD	AL 3RU OUT 3x63A Monophase + m.thermal/diff.
AL OUT 63T	AL 6RU OUT 3x63A 3-Phases + m.thermal switch
AL OUT 63TD	AL 6RU OUT 3x63A 3-Phases + m.thermal/diff.
AL OUT 125T	AL 4RU OUT 1x125A 3-Phases + m.thermal switch
AL OUT 125TD	AL 4RU OUT 1x125A 3-Phases + m.thermal/diff.

AL OUT 32T



AL OUT 63TD



AL OUT 16MD

Interlocked OUT Modules

These modules are designed to satisfy the particular needs of specific applications. The system features EEC sockets protected by a magneto-thermal and/or a magneto-thermal differential switch and an automatic locking system controlled by a side-switch.

Code	
AL OUT 32MDI	AL 6RU OUT 3x32A interlocked monophase + m.thermal/diff.
AL OUT 32MI	AL 6RU OUT 3x32A interlocked monophase + m.thermal.
AL OUT 32TDI	AL 6RU OUT 3x32A interlocked 3-Phases + m.thermal/diff.
AL OUT 32TI	AL 6RU OUT 3x32A interlocked 3-Phases + m.thermal.
AL OUT 63 MDI	AL 6RU OUT 3x63A interlocked monophase + m.thermal/diff.
AL OUT 63 MDI	AL 6RU OUT 3x63A interlocked monophase + m.thermal
AL OUT 63TDI	AL 6RU OUT 3x63A interlocked 3-Phases + m.thermal/diff.
AL OUT 63TI	AL 6RU OUT 3x63A interlocked 3-Phases + m.thermal.

AL OUT 32TI



Mains and Ventilation Boxes

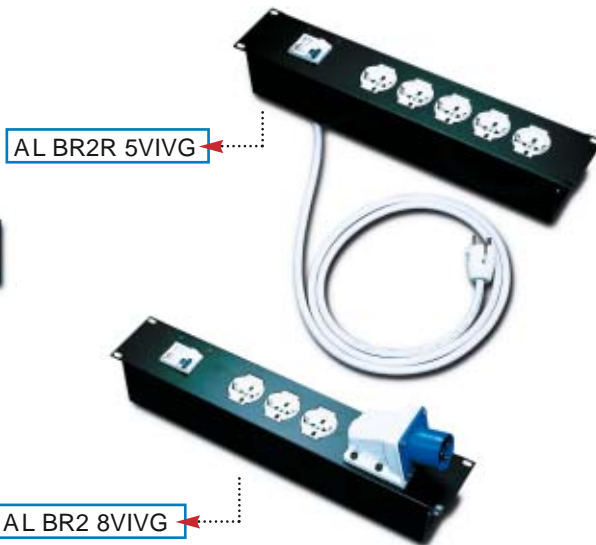
19" Rack Main Boxes

The rack boxes are designed to provide the power distribution of the rack equipment and/or of outside equipment. Realised in 2RU rack boxes with front switch, they feature universal sockets mounted either on the front or on the rear of the box to allow for maximum flexibility of the connections.



AL BR1 10VDE - rear view

Code	
AL BR1 10VDE	AL 1RU Rack box w/ 10 VDE sockets w/ fuses
AL BR2R 5VIVG	AL 2RU Reversible rack box w/ 5 univ.sock.+m.thermal
AL BR2 8VI	AL 2RU Rack box w/ 8 universal sockets
AL BR2 8VIVG	AL 2RU Rack box w/ 8 univ.sock.+16A plug+m.thermal



AL BR2R 5VIVG

AL BR2 8VIVG

BP Box

Made from 15/10 steel sheets, this box is specifically designed for "ON THE ROAD" applications; it is finished in black dust orange-peel epoxy and is provided with an EEC 16A plug, 7 universal socket and a magneto-thermal differential switch.

Code	
AL BP2 7VIVG	AL Stage box w/ EEC 16A + 7 univ.plugs + m.thermal-diff switch



AL BP2 7VIVG

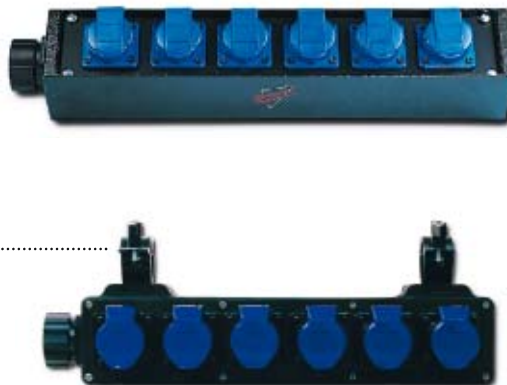
Distribution Boxes

To allow for the sorting of 6 dimmer channels to 6 lamps, they feature an LKS 19 pin connector for the input connection and 6 EEC standard sockets for the lamp connections. Typically used to connect 6 PAR Lights, they are available in high resistance rubber with clamps which can be fitted on trusses or in 15/10 steel box for placing on the ground.

Code	
AL BP2 SOCA	AL Stage box w/ LKS 19 MP + 6 EEC 16A sockets
AL BP2 SOCA G	AL Rubber box w/ LKS 19 MP + 6 EEC 16A sockets with clamps

AL BP2 SOCA

AL BP2 SOCA G



Ventilation Box

1RU ventilation rack box featuring 4 high load fans with front switch. Mounted on top of a 19" rack guarantees a forced ventilation of the equipment inside the rack.

Code	
AL BR1 VT4	AL 1RU Rack box w/ 4 fans and cable

AL BR1 VT4



Portable Power Boxes

Purposely designed for application with both medium and small stage dimensions, these portable Power Boxes meet most the majority of all electrical distribution needs in an easy-to-carry Flight case. This equipment is manufactured using only high quality components and is available in 32A and 63A versions. They comply with IEC regulations relevant to Power Boxes and are provided with IEC certification, test reports and instructions.



PB032 TDV



The digital voltmeter is available with phase/phase and phase/neutral commutator.

PBO63 TDV

Code	
PB032 TDV	32A 3-phases Power Box, 9x16A m-phase sockets
PBO63 TDV	63A 3-phases Power Box, 12x16A m-phase sockets

Technical Characteristics:	PBO63 TDV	PB032 TDV
· Input by CEE plug- 380 V:	63A	32A
· Magneto-thermal/differ. main switch	63A	32A
· Digital voltmeter with commutator		
· CEE 16A mono-phase sockets	12	9
· 15A Universal sockets	4	2
· Magneto-thermal with red light for each sockets		
· Black finished metal chassis		
· Flight case with built-in handle and top cover		
· Weight	21Kg	16Kg
· Dimensions:	56x53x21	52x38x21

Main Connectors

Connettori Schyller

Also available are European standard electrical connectors for loads from 16A up to 125A, in both mono-phase and three phases cable and chassis versions.



Code	16 - 32 Ampere
SY 16 3P FP	Schyller 16A FP 2p+T 220V
SY 16 3P FV	Schyller 16A FV 2p+T 220V
SY 16 3P MP	Schyller 16A MP 2p+T 220V
SY 16 3P MV	Schyller 16A MV 2p+T 220V
SY 16 5P FP	Schyller 16A FP 3p+N+T 380V
SY 16 5P FV	Schyller 16A FV 3p+N+T 380V
SY 16 5P MP	Schyller 16A MP 3p+N+T 380V
SY 16 5P MV	Schyller 16A MV 3p+N+T 380V
SY 32 3P FP	Schyller 32A FP 2p+T 220V
SY 32 3P FV	Schyller 32A FV 2p+T 220V
SY 32 3P MP	Schyller 32A MP 2p+T 220V
SY 32 3P MV	Schyller 32A MV 2p+T 220V
SY 32 5P FP	Schyller 32A FP 3p+N+T 380V
SY 32 5P FV	Schyller 32A FV 3p+N+T 380V
SY 32 5P MP	Schyller 32A MP 3p+N+T 380V
SY 32 5P MV	Schyller 32A MV 3p+N+T 380V

Code	63 - 125 Ampere
SY 63 3P FP	Schyller 63A FP 2p+T 220V
SY 63 3P FV	Schyller 63A FV 2p+T 220V
SY 63 3P MP	Schyller 63A MP 2p+T 220V
SY 63 3P MV	Schyller 63A MV 2p+T 220V
SY 63 5P FP	Schyller 63A FP 3p+N+T 380V
SY 63 5P FV	Schyller 63A FV 3p+N+T 380V
SY 63 5P MP	Schyller 63A MP 3p+N+T 380V
SY 63 5P MV	Schyller 63A MV 3p+N+T 380V
SY 125 4P FP	Schyller 125A FP 3p+T 380V
SY 125 4P FV	Schyller 125A FV 3p+T 380V
SY 125 4P MP	Schyller 125A MP 3p+T 380V
SY 125 4P MV	Schyller 125A MV 3p+T 380V
SY 125 5P FP	Schyller 125A FP 3p+N+T 380V
SY 125 5P FV	Schyller 125A FV 3p+N+T 380V
SY 125 5P MP	Schyller 125A MP 3p+N+T 380V
SY 125 5P MV	Schyller 125A MV 3p+N+T 380V



NA C3 FCB

Designed for audio and video equipment, measuring instrument, PC and power supply it can be used up to 250V and 20A.



NA C3 FCA



NA C3 MPB



NA C3 MPA

Code	
NA C3 FCA	Power-con 3-Pin cable 250V connector IN version
NA C3 FCB	Power-con 3-Pin cable 250V connector OUT version
NA C3 MPA	Power-con 3-Pin chassis 250V connector IN version
NA C3 MPB	Power-con 3-Pin chassis 250V connector OUT version
NA C3 MM	Power-con adapter for cable extension

Rubber Distribution

Portable high impact resistant rubber enclosures designed for on location filming and entertainment events. These boxes can be supplied in a wide range of sizes and configurations.



AL RB 270H...



AL RB 235E

Cord splitter manufactured from 2.5 mm² H07 RN-F rubber cable overall length 1 metre, (any length can be supplied to special order), supplied with bare ends.



Code	
CVS LK SPY	Y-Cord Splitter 2.5 mm ² H07 RN-F cable

A tough rubber moulding supplied in two versions: complete with an incoming LKS male connector 19 pin plug and 2 LKS female connectors 19 pin sockets or with an incoming female connector socket and one male plus one female outgoing connectors.



LKS SPY 19M



LKS SPY 19F



19" boxes

19" boxes are the ideal base to build up your own easy-to-set audio or video power derivations. Manufactured in 12/10 steel plate and finished in orange peel black dust epoxy. Suitable for housing all kinds of 19" rack panels. All boxes are pre-punched for LK connectors. Punching corresponds to the connector size according to the channel number suitable for the specific box. This may be covered by an appropriate plate if not required.

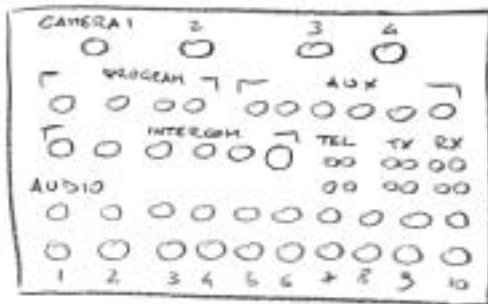


- BOX P1 25
- BOX P2 35 54
- BOX P3 85/150
- BOX P4 85/150

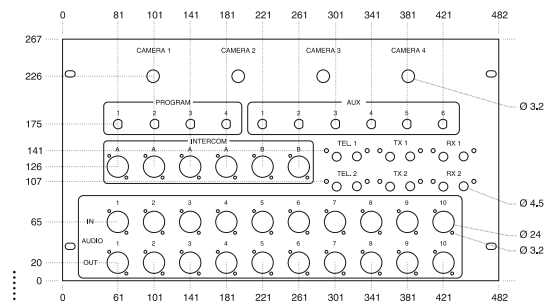
Code	
BOX P1 25	1RU Stage box, punched for LK 25
BOX P2 35 54	2RU Stage box, punched for LK 37 and LK 54
BOX P3 85/150	3RU Stage box, punched for LK 85 and LK 150
BOX P4 85/150	4RU Stage box, punched for LK 85 and LK 150
PF TP 19/25	Lid for LK 25 punching
PF TP 35/54	Lid for LK 37/54 punching
PF TP 85/150	Lid for LK 85/150/200 punching

Custom panels

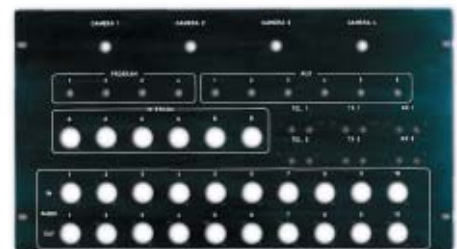
Link provides a full service of customised engraving on standard panels as well as fully customised panel construction and engraving. Your drawing, even one drawn by hand, can be put into a CAD computer using STARDRAW software, and perfectly punched and engraved by a numeric control machine.



→ Step 1



→ Step 2



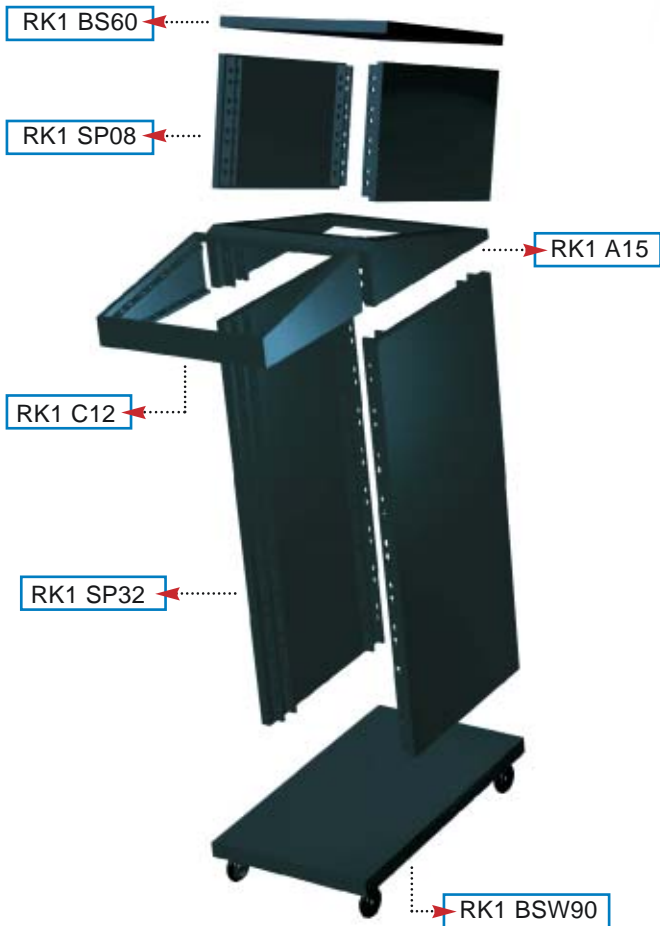
→ Step 3

When forwarding your drawings please remember:

- ▶ Panel dimensions
- ▶ Height and cut out of the connectors
- ▶ Writing and markings.



19" modular rack



Designed to assemble 19" standard width equipment, Link racks are made with black finished steel sheet. Available in standard depth of 600 mm (RK1 code suffix) can be also realised on request in 450 mm depth (RK2 code suffix). Quick and easy to assembly they consist of 2 side panels (available in various size) a top lid and a base (a front-protruding version is available in 898 mm or in 600 mm depth with wheels). In case wheels are not required, the top lid can be used also as a base. Optional available are tilt wedges and consoles.

Code	
RK1 BSW90	Base w/ 4 wheels depth 898 mm
RK1 BSW60	Base w/ 4 wheels depth 600 mm
RK1 SP08	Single side panel 8RU
RK1 SP12	Single side panel 12RU
RK1 SP16	Single side panel 16RU
RK1 SP22	Single side panel 22RU
RK1 SP28	Single side panel 28RU
RK1 SP32	Single side panel 32RU
RK1 SP36	Single side panel 36RU
RK1 SP40	Single side panel 40RU
RK1 BS60	Top or bottom closing lid
RK1 A15	15° tilt wedge
RK C12	Console for 12RU
RK C14	Console for 14RU

19" Rack Boxes

The front and the rear panel are manufactured in 30/10 black finished aluminium plate; they are available in 1 and 2 rack units consisting of a "U" shaped base and top lid. They can be supplied with pre-punched holes on the front and rear upon request.



Code	
BOX R1	1RU Rack box, depth 170 mm
BOX R2	2RU Rack box, depth 170 mm

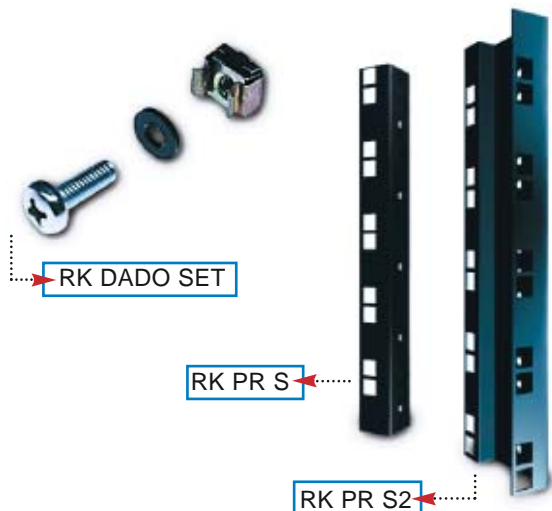
Cage nut & Rack Profiles

RK DADO SET is a complete kit for mounting equipment in 19" racks and suitable for use with all types of rack profiles. The set consist of 100 pieces of M6 cage nuts, plastic washers, and 6x16 M6 thread retaining screws.

Code	
RK DADO SET	Cage nut M6+washer+screws 100pc

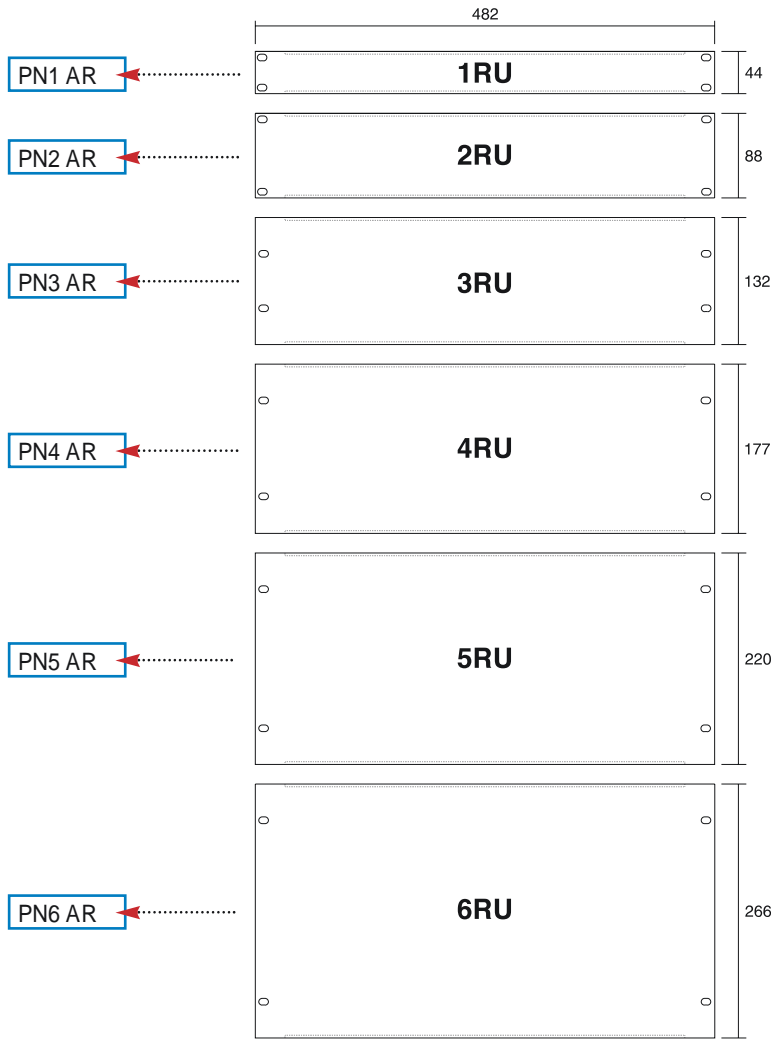
Rack Profiles are available in 2 m bars. Manufactured from 15/10 steel plate, they are finished in black dust epoxy.

Code	
RK PR S	Rack single profile 2 m
RK PR S2	Rack double profile 2 m



Blank panels

Standard



These panels, featuring 19" standard rack size, are used mostly to cover empty units on the racks. Manufactured in 30/10 aluminium plate, they are finished in smooth, black dust, epoxy.

Code	
PN1 A	1RU blank panel
PN2 A	2RU blank panel
PN3 A	3RU blank panel
PN4 A	4RU blank panel
PN5 A	5RU blank panel
PN6 A	6RU blank panel

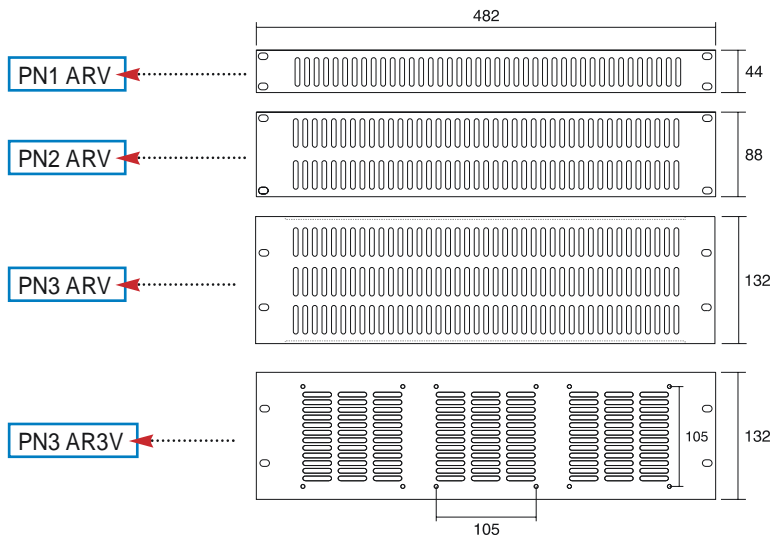
Reinforced

Similar characteristics to the standard panel but manufactured in 20/10 aluminium plate with a 90° fold, top and bottom, to give better rigidity.

Code	
PN1 AR	1RU reinforced blank panel
PN2 AR	2RU reinforced blank panel
PN3 AR	3RU reinforced blank panel
PN4 AR	4RU reinforced blank panel
PN5 AR	5RU reinforced blank panel
PN6 AR	6RU reinforced blank panel



Ventilation Panels



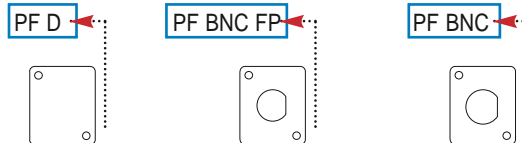
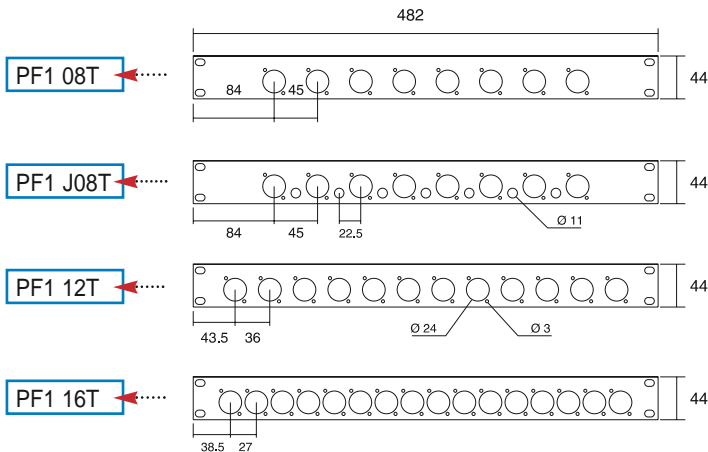
Specifically designed to cover empty units, thereby giving extra ventilation in the racks. They are manufactured in 20/10 aluminium plate with a 90° fold, top and bottom, to give better rigidity. The PN3 AR3V have horizontally punched with slots for ventilation.

Code	
PN1 ARV	1RU reinforced ventilation panel
PN2 ARV	2RU reinforced ventilation panel
PN3 ARV	3RU reinforced ventilation panel
PN3 AR3V	3RU reinforced vent. panel 3 slots

Prepunched panels

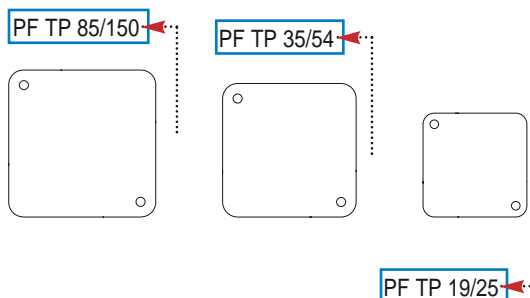
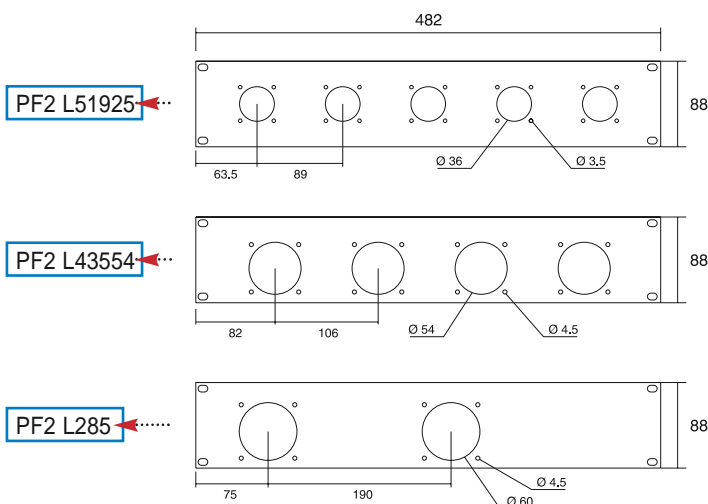
Pre-punched panels available in a wide range of size configurations for easy and time-saving assembly of various types of connectors (XLRs, EEC 17 sockets, LK connectors). Manufactured in steel plate, and finished in smooth black dust epoxy with silk-screen identification. **The dimensions are expressed in mm.**

XLR series



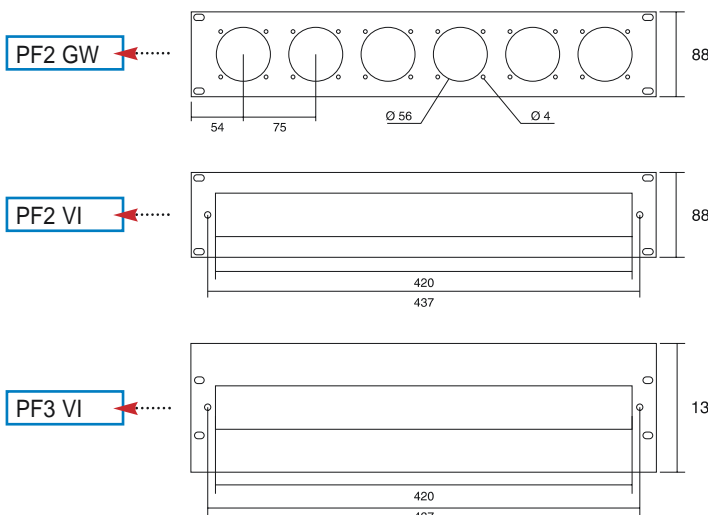
Code	XLR series
PF1 08T	1RU pre-punched panel x 8 XLR with T-bar
PF1 J08T	1RU pre-punched panel x 8 XLR+8 Jacks with T-bar
PF1 12T	1RU pre-punched panel x 12 XLR with T-bar
PF1 16T	1RU pre-punched panel x 16 XLR with T-bar
PF D	Blanking plate for D series punching
PF BNC	Adapter plate BNC - D series
PF BNC FP	Adapter plate BNC - solder

LK series



Code	LK series
PF2 L51925	2RU pre-punched panel x 05 LK 25
PF2 L43554	2RU pre-punched panel x 04 LK 37/54 and LKS 19 pins
PF2 L285	2RU pre-punched panel x 02 LK 85/150/200
PF TP 19/25	Lid for LK 25 punching
PF TP 35/54	Lid for LK 37/54 punching
PF TP 85/150	Lid for LK 85/150/200 punching

Electrical series



Code	Electrical Series
PF2 GW	2RU pre-punched panel x 6 Gewiss 16A sockets
PF2 VI	2RU pre-punched panel x 24 Din module
PF3 VI	3RU pre-punched panel x 24 Din module

The PF3 VI 3RU standard panel is used to assembly some of the AL Distribution panels (e.g. AL AUX 7VIVG)



Distribution



Littlite

Flexible gooseneck lamps ideally suited to any task involving accurate, close and detailed work. Use Littlite anywhere you need a little light: on lighting equipment and other low light applications, in data cabinets or on effect racks. Suitable for DJs and many other audio applications. With their sleek, unobtrusive appearance, they complement any decor. All Littlites and accessories are designed and constructed to meet the most demanding needs. Most of the parts are metal, finished in durable black backed enamel.

Code	
LT L312A	Littlite 12" permanent mounting with dimmer
LT L318A	Littlite 18" permanent mounting with dimmer
LT 412A	Littlite 12" with BNC connector and dimmer
LT 418A	Littlite 18" with BNC connector and dimmer



LT 12XR HI
LT 18G HI
LT 12X HI
LT 18P HI

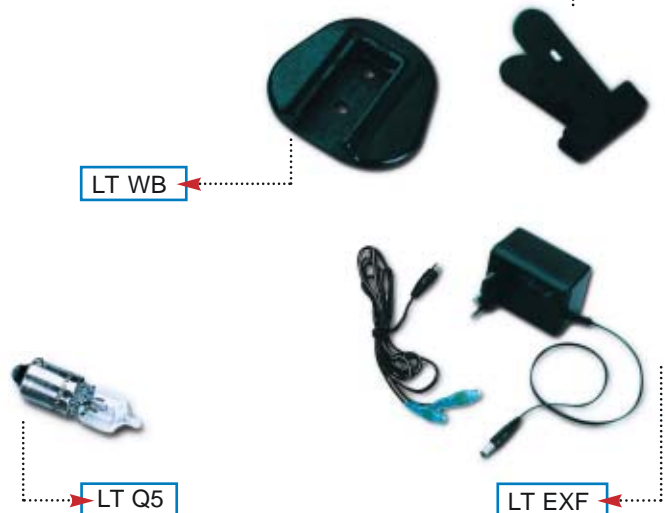
Code	
LT CF	Littlite Bulb protection filter
LT DM	Littlite Dimmer rheostat without switch
LT EXF	Littlite 220-12V transformer
LT HTC	Littlite High tension clamp
LT MB	Littlite magnetic base
LT MP	Littlite fixing base for P series
LT PS	Littlite chassis BNC connectors for G series
LT 1815	Littlite 12V spare lamp
LT Q5	Littlite 12V halogen spare lamp
LT SC	Littlite gooseneck fixing clip
LT WB	Littlite metal base for L series
LT WXF	Littlite 120-12V transformer
LT O KIT	Pack of 12 spare "O" rings for Standard Littlites
LT O KIT X	Pack of 12 spare "O" rings for X series Littlites

LT L312A



Code	
LT 12G HI	Littlite 12" with BNC connector
LT 12P HI	Littlite 12" with screw-fixing
LT 12X HI	Littlite 12" with 3p-XLR connector
LT 12X-4 HI	Littlite 12" with 4p-XLR connector
LT 12XR HI	Littlite 12" with 90° 3p-XLR connector
LT 12XR-4 HI	Littlite 12" with 90° 4p-XLR connector
LT 18G HI	Littlite 18" with BNC connector
LT 18P HI	Littlite 18" with screw-fixing
LT 18X HI	Littlite 18" with 3p-XLR connector
LT 18X-4 HI	Littlite 18" with 4p-XLR connector
LT 18XR HI	Littlite 18" with 90° 3p-XLR connector
LT 18XR-4 HI	Littlite 18" with 90° 4p-XLR connector

LT HTC



LT WB

LT Q5

LT EXF

Racklite

The RL-10 High Intensity Racklite comes complete with two 12" flexible gooseneck lamps, two bright 5 watt halogen bulbs, dimmer rheostat, 6 feet of cord and transformer.



LT RL10 DE

Code	
LT RL10 DE	19" rack mount panel w/ 2 12" lamps

Lighting Boxes

Link also produce Littlite and Osram lamps mounted on 1RU boxes. Littlite boxes feature dimmer controls for intensity regulation.



AL BR1 L12A

Code	
AL BR1 L12A	AL 1RU box w/ Littlite LT L312A and power cable
AL BR1 L18A	AL 1RU box w/ Littlite LT L318A and power cable
AL BR1 OS20	AL 1RU box w/ gooseneck lamp 20cm + power c.
AL BR1 OS50	AL 1RU box w/ gooseneck lamp 50cm + power c.