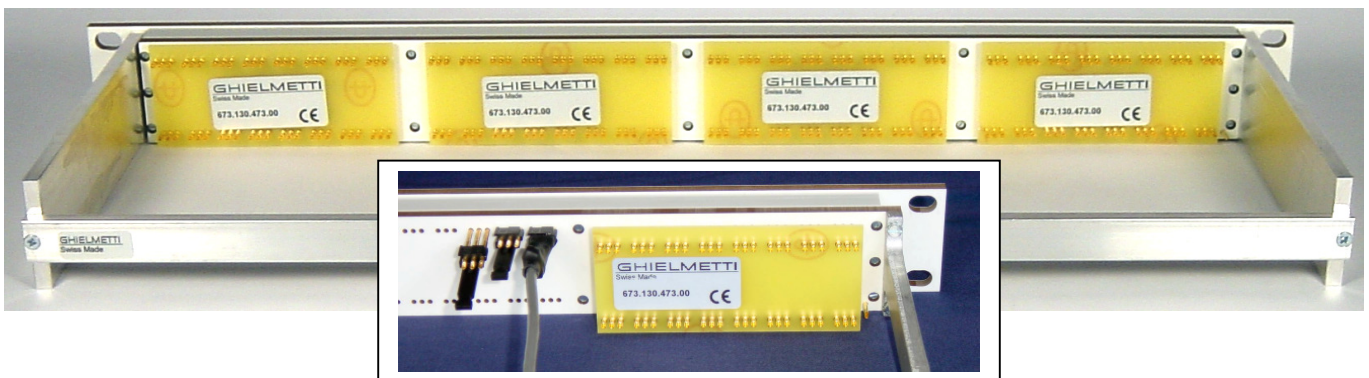
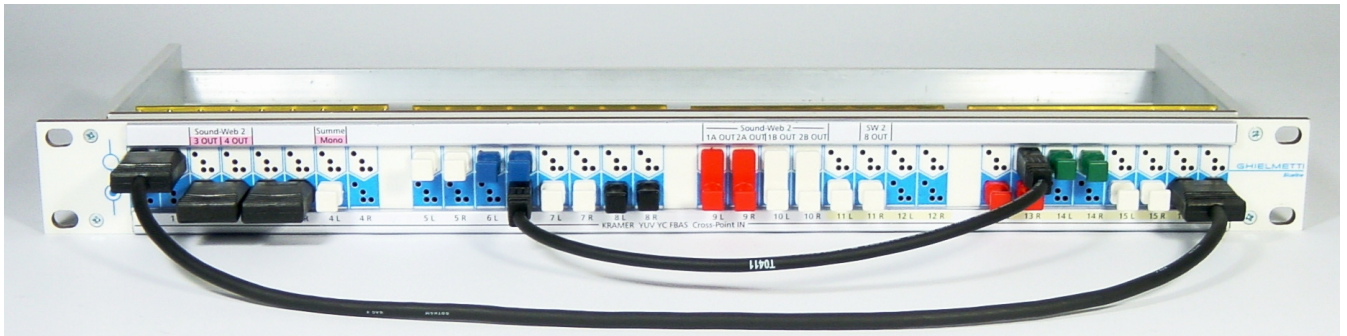




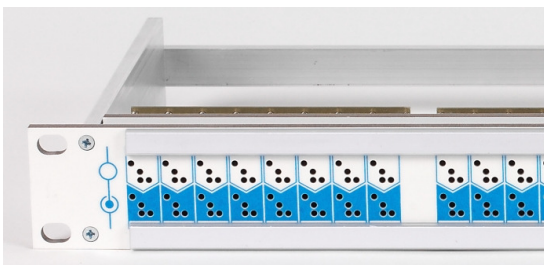
The New Standard Connecting Patch Field Generation

ASF 1x32 AV 3/1 Blueline

32 input and output channels in 19", 1 RU
For all 3-pole analog and digital signals



The **Blueline** connecting patch panels are designed for connecting and patching of 32 digital or analog signal lines 3-pole. The panels are equipped with a special channel shielding and are therefore suitable for all digital (AES/EBU) and analog signals. A quick and cost-effective wiring on solder lug connector modules or 3-pole solder connectors is featured. Routing and switching is made by 2-pole, 3-pole or 6-pole normalling plugs or 3-pole and 6-pole patch cords. The **Ghielmetti self-cleaning double gold contact system** guarantee a high secure connecting system over live time. Delivery including all 32 normalling connectors cable bar and optional with designation strips.



ASF 1x32 AV 3/1 LA M Blueline

- ASF 1x32 AV 3/1 SA Blueline** **673.113.900.01**
for connecting modules or 3-pole connectors
incl. 32 normalling plugs, white
incl. 2 designation strips
incl. 1 cable bar
- ASF 1x32 AV 3/1 LA M Blueline** **673.113.900.05**
incl. 4 solder lug connecting modules
incl. 32 normalling plugs, white
incl. 2 designation strips
incl. 1 cable bar
- ASF 1x32 AV 3/1 SA G Blueline** **673.113.900.61**
incl. 64 solder luc connectors GAS 323 LA C
incl. 32 normalling plugs, white
incl. 2 designation strips
incl. 1 cable bar

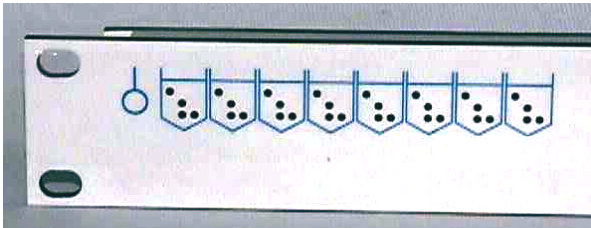
ASF 1 x 32 A 3/1 LA Blueline

ASF 2 x 32 A 3/1 LA Blueline

ASF 1 x 32 AP 3/1 LA Blueline

19", 1 RU for all analog and digital signals

The Standard **Blueline** patch panels are widely used for routing and patching of 1 x 32 signal by 3-pole. A quick and cost-effective wiring on solder lugs is featured. The panels are equipped with a special channel shielding and are therefore suitable for all digital (AES/EBU) and analog signals. Routing and patching is made by patch cords.



ASF 1 x 32 A 3/1 SA Blueline

ASF 1 x 32 A 3/1 SA Blueline

for connecting modules or 3-pole connectors
incl. 1 cable bar
incl. 1 designation strips

673.113.910.01

ASF 1 x 32 A 3/1 LA Blueline

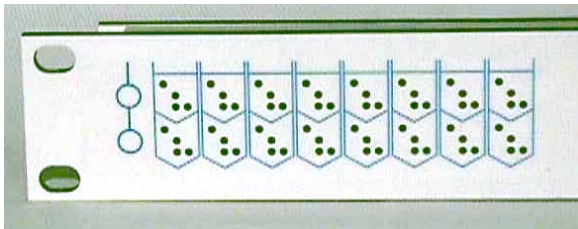
incl. 4 solder lug connecting modules (LA 1x8 A)
incl. 1 cable bar
incl. 1 designation strips

673.113.910.05

ASF 1 x 32 A 3/1 SA G Blueline

incl. 32 solder lug connectors GAS 323 LA C
incl. 1 cable bar
incl. 1 designation strips

673.113.910.61



ASF 1 x 32 AP 3/1 SA Blueline

ASF 1 x 32 AP 3/1 SA Blueline

for connecting modules or 3-pole connectors
incl. 1 cable bar
incl. 1 designation strips

673.113.950.01

ASF 1 x 32 AP 3/1 LA Blueline

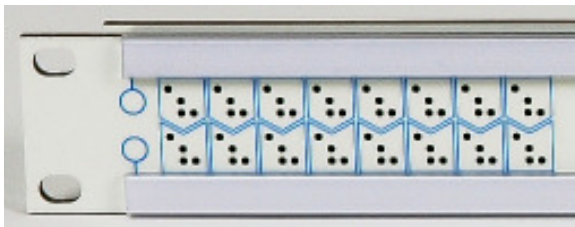
incl. 4 solder lug connecting modules (LA 1x8 A)
incl. 1 cable bar
incl. 1 designation strips

673.113.950.05

ASF 1 x 32 AP 3/1 SA G Blueline

incl. 32 solder lug connectors GAS 323 LA C
incl. 1 cable bar
incl. 1 designation strips

673.113.950.61



ASF 2 x 32 A 3/1 SA Blueline

ASF 2 x 32 A 3/1 SA Blueline

for connecting modules or 3-pole connectors
incl. 1 cable bar
incl. 2 designation strips

673.113.960.01

ASF 2 x 32 A 3/1 LA M Blueline

incl. 4 solder lug connecting modules (LA 1x8 A)
incl. 1 cable bar
incl. 2 designation strips

673.113.960.05

ASF 2 x 32 A 3/1 SA G Blueline

incl. 64 solder lug connectors GAS 323 LA C
incl. 1 cable bar
incl. 2 designation strips

673.113.960.61



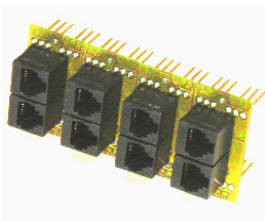
Interconnecting of the ASF 1x32 AV Blueline



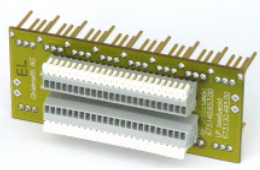
ASF 1x32 AV 3/1 LA M Blueline plus

back view

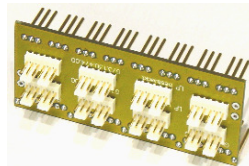
Part no. : 673.113.900.05



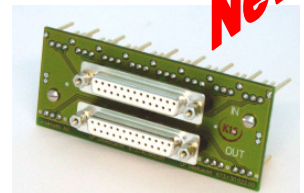
RJ11 2x8 AV
673.130.478.00



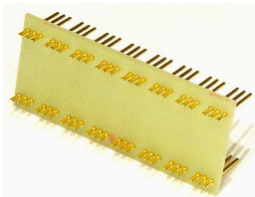
WA 2x8 AV
673.130.495.00



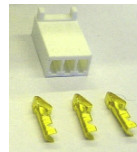
MX 2x8 AV 673.130.474.00



D25 2x8 AV 673.130.522.00



LA 2x8 AV
673.130.473.00



GMX 8S
673.130.474.02
MOLEX connector set, 8 pcs

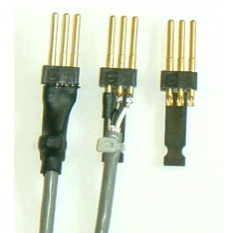
D-Sub 25-pole Standard pin out 673.130.522.00			
Channel	Signal	D-Sub female	
1	a	1	14
	b	2	15
2	a	3	16
	b	4	17
3	a	5	18
	b	6	19
4	a	7	20
	b	8	21
5	a	9	22
	b	10	23
6	a	11	24
	b	12	25
7	a	13	
	b		
8	a		
	b		
	GND		
	NC		

Interconnecting of the ASF 1x32 A, AP Blueline

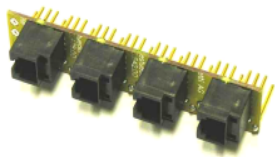


Interconnecting of :

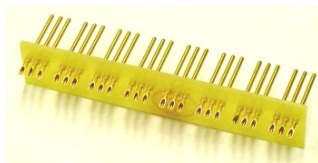
- ASF 1x32 A 3/1 SA Blueline
- ASF 1x32 AP 3/1 SA Blueline
- ASF 2x32 A 3/1 SA Blueline



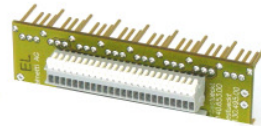
GAS 323 LA C 673.910.311.01



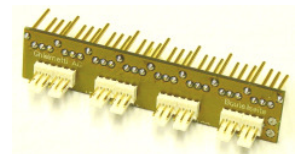
RJ11 1x8 A 673.130.477.01



LA 1x8 A 673.130.473.01



WA 1x8 A 673.130.495.01

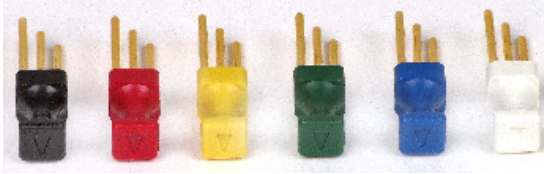


MX 1x8 A 673.130.474.01



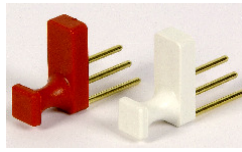
Functional description of the switching function of ASF 1x32 A,AP,AV BlueLine

3-pole normalling plugs



- GVS 323 c sw 3-pole, black 673.910.079.00
- GVS 323 c rt 3-pole, red 673.910.079.02
- GVS 323 c gb 3-pole, yellow 673.910.079.04
- GVS 323 c gn 3-pole, green 673.910.079.05
- GVS 323 c bl 3-pole, blue 673.910.079.06
- GVS 323 c ws 3-pole, white 673.910.079.09

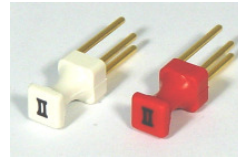
3-pole - normalling plugs with locking function



- GVS 323 d rt 673.910.302.02
- GVS 323 d ws 673.910.302.09

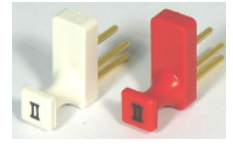
3-pole-locking plug: avoids parallel tap of the incoming channel

2-pole normalling plugs



- GVS 322 c ws 673.910.313.09
- GVS 322 crt 673.910.313.02

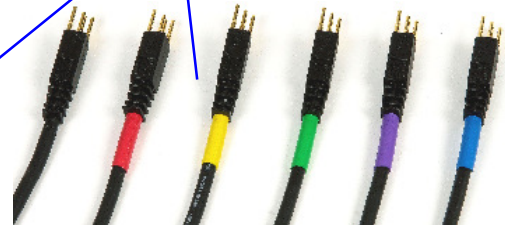
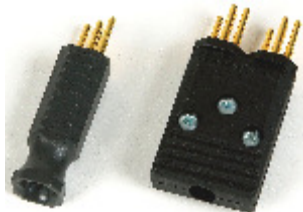
2-pole normalling plugs with locking function



- GVS 322 d ws 673.910.302.12
- GVS 322 d rt 673.910.302.19

2-pole-locking plug: avoids parallel tap of the incoming channel

Specification	Symbol	View	Current Flow inactive	with Connecting Plug	with Patch Cord
Normal Patch Panel with: A Normal Contact like ASF 1x32 A 3/1 LA H					
Normal Patch Panel with: A Normal Contact P Parallel Contact like ASF 1x32 AP 3/1 LA					
Connecting Patch Panel with: A Normal Contact V Connecting Contact like ASF 1x32 AV 3/1 LA					



Cable plug for patch cords

GKS 313 m 3-pole, 673.910.201.10
max. Ø 5,9 mm

GKS 316 s 6-pole, 673.910.231.00
6-pole connection plug (2x3-pole)



6-pole Normalling plug

GVS 326 S sw
673.910.232.00
for 6-pole or stereo connections

Patch cord 6-pole digital, stereo, AES/EBU, RS 422

GSK 323/60 sw, 60 cm
673.910.228.00

GSK 323/90 sw, 90 cm

Patch cord 3-pole – digital, AES/EBU

- GMK 313/30 d black, 30 cm 673.910.269.20
- GMK 313/60 d black, 60 cm 673.910.269.00
- GMK 313/90 d black, 90 cm 673.910.269.10
- GMK 313/120 d black, 120 cm 673.910.269.30
- GMK 313/180 d black, 180 cm 673.910.269.40
- GMK 313/250 d black, 250 cm 673.910.269.50

Patch Cords with colour markings:

- red: 269.x2 blue: 269.x6
- yellow: 269.x4 violet: 269.x3
- green: 269.x5

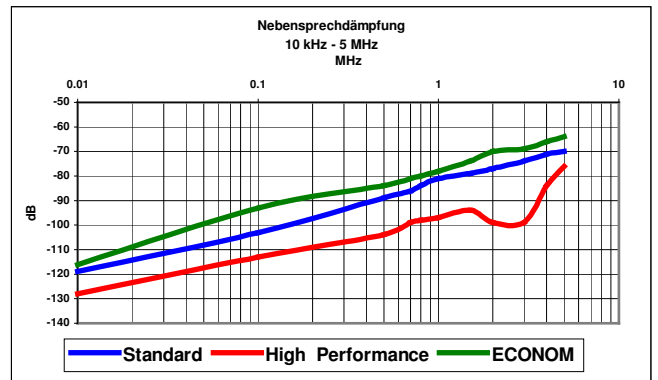
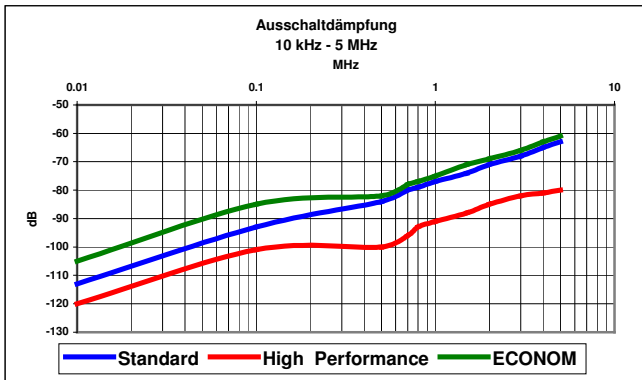
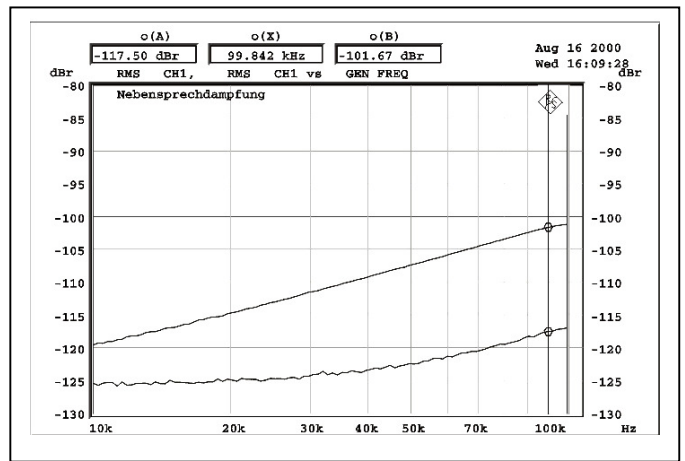
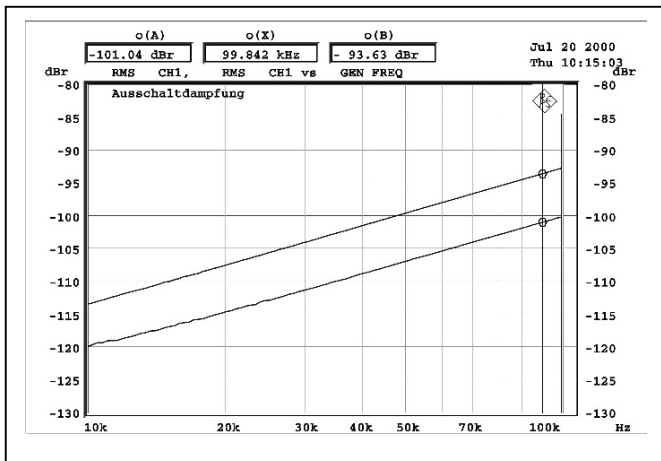
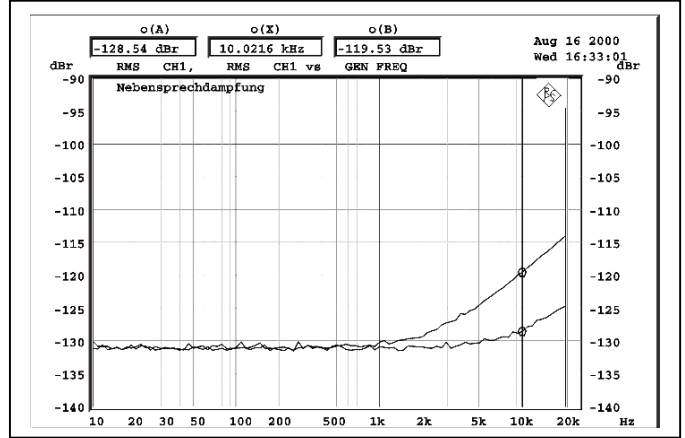
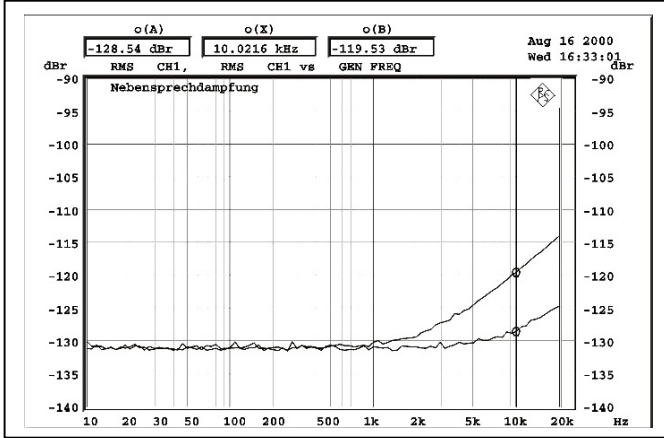


TECHNICAL DATA		GKV series 300	
		High Performance	Standard
Electrical data (transmission)	Measuring range		
Signal level	0 Hz < f < 5 MHz	-64 dBu to + 36 dBu	-64 dBu to + 36 dBu
Crosstalk	(30 Hz < f < 30 kHz)	>115 dB	> 90 dB
Switch off attenuation	(30 Hz < f < 30 kHz)	>115 dB	> 90 dB
Insertion loss	(30 Hz < f < 30 kHz)	< 0,01dB	< 0,01dB
Symmetry loss	(30 Hz < f < 30 kHz)	> 60 dB	> 60 dB
Operation voltage*	max.	50 V	50 V
Test voltage		1000 V	1000 V
Line distances (pitch)		3 mm	3 mm
Therm. rated current**		6 A	6 A
Contact resistance (bus bar – plug – bus bar)		0,8 – 1 m Ω	0,8 – 1 m Ω
Resistance of pair of contact bands per line		0,4 m Ω	0,4 m Ω
Insulation resistance of parallel pair of contact bands per 10 insertion points	with 80 – 95 % humidity	5 x 10 ³ M Ω	5 x 10 ³ M Ω
Capacity of 2 parallel pairs of bands	distance: 10 insertion points	- 5 pF	- 5 pF
Capacity of 2 crossed pairs of bands	distance: 10 insertion points	- 3,1 pF	- 3,1 pF
CE / EMC / ESD		yes	yes
Mechanical data (contact material)			
Insulation material		Polycarbonate	Polycarbonate
Air and surface-leakage paths		min. 1 mm	min. 1 mm
Operating temperature		-20...+50°C	-20...+50°C
Bus bars	Material	Cu Be	Cu Be
	Surface	0,25 μ Au over 2 μ Ni	0,25 μ Au over 2 μ Ni
Plug	Material	brass	brass
	Surface	0,25 μ Au over 2 μ Ni	0,25 μ Au over 2 μ Ni
Inserting and extracting forces	2-pole	4,5 N	4,5 N
	3-pole	7 N	7 N
	4-pole	11 N	11 N
	6-pole	20 N	20 N
	8-pole	24 N	24 N
	2-pole/4-layers	15 N	15 N
Contact force		- 2 N	- 2 N
Number of insertions without loss of contact force		>10'000	>10'000
Pin diameter	∅	1,6 mm	1,6 mm



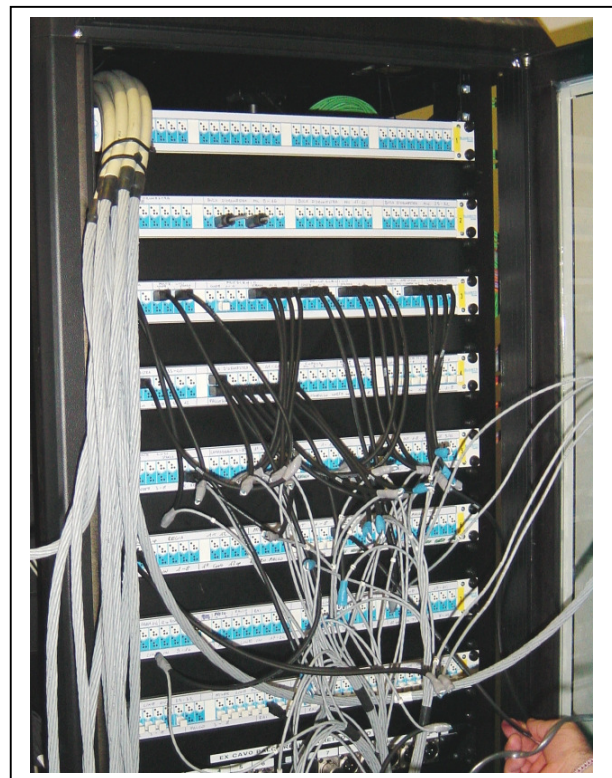
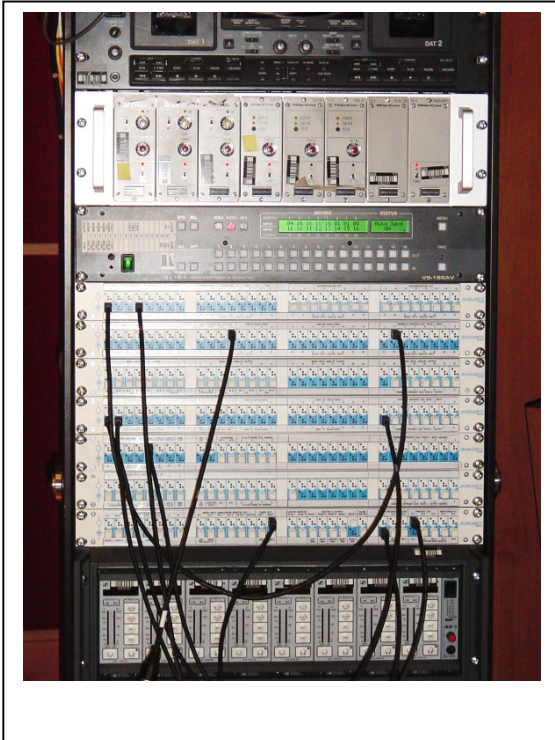
Switch off attenuation
10 Hz < f < 5 MHz

Cross talk attenuation
10 Hz < f < 5 MHz





Theater Scala in Mailan, Italy



If it really depend on:
The most ambitious voices of the world will be
routed by Ghielmetti Connecting Patch Panels.



Schweiz

Ghielmetti AG
Tel. +41 32 671 13 13
Fax +41 32 671 13 14
ghielmetti@ghielmetti.ch
www.ghielmetti.ch



Deutschland

Ghielmetti, Berlin
Tel. +49 3371 402 754
Fax +49 3371 610548
brodziak@ghielmetti.ch
www.ghielmetti.de



Österreich

Ing. Johann Götz
Tel. +43 699 1090 22 60
Fax +43 1974 29 51
johann.goetz@chello.at



Frankreich

Dialog Electronic Systems
Tel. +33 1 64 51 17 17
Fax +33 1 64 51 17 18
pierre.laulhe@dialog-e-s.fr
christophe.boudon@dialog-e-s.fr



Italien

CPE Italia spa
Tel. +39 02 39 0961
Fax +39 02 35 70 765
sales@cpeitalia.it
www.cpeitalia.it



Spanien

Promovisa S.A.
Tel. +34 914 562 090
Fax +34 915 343 068
operaciones@promovisa.es



Portugal

Pinto Basto Electrotecnia e Máquinas, Lda.
Tel. +351 21 397 20 41
Fax +351 21 397 25 95
Moura.tendeiro@pintobasto.pt
www.pintobasto.pt



Slovenia

Albin Promotion
Tel. +386 2 761 97 00
Fax: +386 2 761 97 29
prodaja.ap@ap-pro.si



Polen

MBS
Tel. +48 22 851 10 40
Fax +48 22 851 10 41
biuro@mbspro.com.pl
www.mbspro.com.pl



Polen

Pateh
Tel. +48 22 620 23 69
Fax +48 22 627 05 76
pateh@pateh.com.pl



Tschechien

AVT, M. Stefek
Tel. +42 02 6121 18 47
Fax +42 02 6121 18 47



Russland

Binar ProSound+Light
Tel. +007 95 257-5894
Fax +007 95 257-5897
binar@aha.ru
www.binarpro.ru



Norwegen

Siv. ing. Benum A/S
Tel. +47 2213 9900
Fax +47 2214 8259
post@benum.no
www.benum.no



Schweden

Semafor Mediatechnik AB
Tel. +46 8 556 785 50
Fax +46 8 556 785 55
bjorn@semaformedia.se
www.semaformedia.se



Finnland

Into Oy
Tel. +358 9 755 950
Fax +358 9 755 3581
pekka.pauku@into.fi
ari.nisumaki@into.fi
www.into.fi



Dänemark

Kinovox A/S
Tel. +45 44 54 30 60
Fax +45 44 53 00 06
lp@kinovox.dk
www.kinovox.dk



Belgien/Luxemburg

Lambda Instruments sprl
Tel. +32 2 412 47 90
Fax +32 2 412 47 99
georges.vanhoorickx@lambda.be
www.lambda.be



Niederlande

Ceelen Techniek Uden B.V.
Tel. +31 413 256090
Fax +31 413 255160
info@ceelen.nl
www.ceelen.nl



Südafrika

EMS Africa (Pty) Ltd.
Tel. +27 11 482 4470
Fax +27 11 726 2552
sales@emsafrica.co.za



Israel

Broadcast Design - Micha Blum
Tel. +972/ 64 626 267
Fax: +972/ 2 656 0201
mihablum@012.net.il



Iran

Besat Broadcasting Systems Co.
Tel. +9821 695 04 05 - 7
Fax: +9821 695 04 04
besat@dpimail.net



Singapore

Broadcast Professional Pte. Ltd.
Tel. +65 622 55 115
Fax: +65 622 55 005
william_ng@broadcastpro.com.sg
www.broadcastpro.com.sg



Hong Kong

Delco Wire & Cable Asia Ltd.
Tel. +852 2 7999 393
Fax +852 2 7989 323
delcotw@netvigator.com



Japan

Electori Co., Ltd.
Tel. +81 3 3530 6190
Fax +81 3 3974 2421
lifeng-ou@electori.co.jp
www.electori.co.jp



Korea

Ko Hoong Multimedia Co., Ltd.
Tel. +82 2 487 0069
Fax +82 2 474 0678
kmsong@chol.com
www.kohoong.com



Vietnam

VISTAR Co., Ltd.
Tel. +84 4 824 3058
Fax +84 4 825 0099
vistarm@bdvn.vnd.net

