

PRODUCT CATALOG



INTERCOM

ELEKTRO
AKUSTIK

AUDIO
TRANS
FORMERS



ayxent[®]

axxent is a privately owned company, pledging to develop and manufacture reliable professional audio products. In its beginning, all products were made in Germany. In the past 20 years, much of the manufacturing capability was built up in other European countries, mainly in Slovakia. There, technicians and engineers with vast experience in audio broadcast products and systems manufacture axxent products today.

The name axxent is protected and registered in several countries since 1991 and at that date a row of audio intercom products were developed and made in Germany. A first MIDI controlled 19" rack mixer, an audio distribution system for sound and light rental companies and a four channel audio cross-over were introduced.

Step by step, the intercom system received additional components. During the last two years, a unique "Shoutbox" with all functions of an intercom main station was developed and granted industrial design protection.

Several thousand audio and light rental companies world-wide use axxent audio intercom components during their 25 or more years of existence.

Parallel to the intercom product line, axxent developed a line of electro-acoustic products, consisting of mainly 100 v constant voltage amplifiers, 100 v audio transformers, mixers, mixer/amplifiers and induction loop amplifiers.

axxent constant voltage amplifiers are being installed in churches, state and county parliaments, municipal facilities, etc. Our customers installed our amplifiers in hundreds of textile chain stores. Even the worlds' biggest fast food company has installed our amplifiers European-wide. Our induction loop amplifiers are in daily use in several hundred churches. Reason for this success is ruggedness, reliability and low noise, or even no



Josef Becker (Proprietor of axxent e.K.)

operation noise of our products. In most of our products, we built in no fans or fans without audible fan noise.

Our 100 v audio transformers are used to step up voltage to 100 v from low impedance amplifier outputs. **On the other end, they are used in or near loudspeakers to step down from 100 v to low impedance. We offer such transformers to approximately 800 W of power. Transformers of this size are needed for large installations, such as football stadiums, large halls.** One typical example is the football stadium in Rotterdam, Holland, where a large number high power loudspeakers is equipped with our 500 w transformers.

All in common to our products is the longevity and ruggedness and their reasonable price to performance relation. axxent products are not only being marketed in the European Union, but, also in many other countries abroad, for example in India, South Africa, Hong Kong, etc.



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INTERCOM

axxent manufactures high quality audio intercom systems since the year 1991. We have relied always on long time proven partyline principle that guarantees undisturbed and excellent voice intelligibility. Even in todays' digital times, our system can easily be used. axxent manufactures interfaces to connect the system to radios, wireless intercoms and also to four-wire systems.



MAIN STATIONS



MS-100 Main Station, Single Channel, 19"

Main station with two xlr intercom connectors, an xlr line output, large signal light and two racklight bnc connectors. An unusual feature is the cigarette lighter on the front panel, which may also be used to charge mobile phones or else.

No. 180321



MS-200 Main Station, Two Channel, 19"

Two channel main station, switchable ch A, B or A+B. Three intercom line outputs per channel. Powers up to 15 belt packs, signal lights etc. Aux-In and Aux-Out per channel. Mic/Line input on front.

No. 180331

COMBOX. Intercom-Shoutbox CB101

Single channel main station with built in high performance loudspeaker for loud foldback monitoring or commands. All functions of a single channel main/slave station. Automatic mute function for mic and headset input. 3/8" microphone stand thread. Max. 115 dB spl. Piezo buzzer and bright led signal. Universal power supply 100-240 vac. Dark wood side bars.

No. 180301



COMBOX. Intercom-Shoutbox CB102

Same as above but, without automatic mute function for microphone and headset input.

No. 180304



MAIN STATIONS

CP100S, Half 19" Master Station w/Loudspeaker



Switchable on/off. Power supply included in price. Powers up to 15 stations such as belt packs, signal lights, etc. Compact master station with headset and microphone input connector for dynamic hand-held or gooseneck microphones. Includes Power supply: 100-250 VAC,sec. 24 VDC, 36 W.

No. 180342



RME-100 19" Kit für CP-100S

Rack Mount Kit for Station CP-100S

No. 180391



WMK-100 Wall mount kit

Wall mount kit for CP100/CP100S

No. 180392



BELTPACKS

BP-100 Belt Pack

Compact easy to wear belt pack. Sound and light alarm. Sound alarm switchable.



No. 180311

BP-100V Belt Pack

Features light alarm and vibration with the VP100 vibration module included.



No. 180312

BP-101 Belt Pack

Vibration alarm option. Features light and sound alarm plus a 3.5 mm connector for a vibration signal module. When vibration signal being used, sound alarm is being deactivated. Switch for short and long time alarm.

No. 180313



VP100 Vibration Modul

as an option to BP101 or replacement to BP100V

No. 180314



TALENT RECEIVER

TR100 Talent Receiver

Miniature belt pack listen only. For all partyline intercom systems. Stainless steel belt clip, 3.5 mm binaural phone jack. Volume potentiometer

No. 18316



D801 Earpiece

Earbud with 3.5 mm phone plug for TR100 Talent Receiver

No. 18317

SIGNAL SPLITTER

ILS-3 Intercom-Line-Splitter 1:3

Splitter XLR F to 3 XLR-M, distributes signal and dc voltage

No.180362



POWER SUPPLIES

PS-101S Power Supply

feeds CP100S, BP100, BP101, LP100, etc. In-Line power supply via XLR connection, allows operation of Belt Packs without the need of main stations. For up to 15 belt packs or other components.

Wide range of operation voltage: 100 V to 240 V.

No. 180361



PS65 Auto-AC-Sensing Power Supply 2.71 A

for CP100S Main Station as a replacement. Feeds up to approx. 25 units. IEC mains connector cable. 100-240 VAC, sec. 24 V=, 2.71A (65 W).

No.180364



RADIO INTERFACE

WT-100 Radio Interface

Connects axcent intercom to „walkie talkies“. Connection cable to radios not included. See below for adaptor cables.

No. 180398



We manufacture various adaptor cables to radios of different makes, such as Midland, Motorola, Kenwood, etc. Below the most popular:

Kenwood Connection Cable

No. 180399

Motorola Connection Cable

No. 180390

Motorola Adaptor to Kenwood Standard

No. 180397

Motorola Connection Cable to WT100

No. 180400

S1 Standard Connection Cable Midland, Alan

No. 180403

FOUR WIRE INTERFACE

FW-100 Four Wire Adaptor

allows full duplex communications between four wire intercoms and partyline intercoms. May also be used as auxiliary in and out. Without DB9 cable.

No. 180395

DB9 Cable

DB9 connector to open ended wire. XLR's not included.

No. 180396



SIGNAL LIGHTS

LP-100 Flashing Signal Light

Easy to see flashing signal. XLR in and out.

No. 180351

LP-100STD Strobe Light Clear

Flashing light with 10 jumbo led's, very light intensive.

No. 180356



LP-100LED Signal Light

Flashing light with 4 jumbo led's, dimmable.



- Red No. 180352
- Yellow No. 180353
- Green No. 180354
- Orange No. 180355

ACCESSORIES

GN-M100 Gooseneck Microphone Pod

Switch PTT/permanent on/off.
Dynamic mic capsule.
5 m connection cable with 3 pin xlr-m.

No. 180393



TC100F Line Terminator

3 pin xlr-f, to terminate intercom components. Required when belt packs operated without master stations. Stabilizes intercom level.

No. 180315

EXT-1,5 Headset Extension Cable

1.5 m extension cable,
4 pin xlr female-male

No. 180394



HEADSETS

D-800 Pro Headset

Very robust headset with two ear muffs. Dynamic microphone capsule.

No. 180371



D-800E Pro Headset

Single ear muff. Dynamic mic capsule.

No. 180372



D-900 Pro Headset

Large and comfortable ear moulds. Dynamic mic capsule and two ear muffs. Internal off switch activated by moving mic boom up. Ear phones studio quality sound.

No. 180381



D-900E Pro Headset

Same as D900, one earmuff. Mic boom may be worn left or right. Replacement parts list available upon request.

No. 180382



ELEKTRO AKUSTIK

axxent audio amplifiers are designed mainly for fixed installations. We have taken every effort to make these amplifiers as quiet as possible, either by using convection cooling or by using controlled and low noise fans. All constant voltage amplifiers are output isolated by high quality audio transformers, allowing earth-free and safe operation.



MIXER/POWER-MIXER, AUTOMATIC POWER MIXER

GMX-2500 Pro Mixer with Limiter

Front: 2 Mic and 1 Stereo-Line-In
 Rear: 2 mic parallel with front, and 5 Stereo Aux.
 Record Out, Stereo-Master, two Mono Zones. Volume control independent. Adjustable Multi Band Limiter THAT Corp. in Stereo Master. Eq with security cover. Rack ears detachable.

No. 180611



GPX-2500 Pro Power-Mixer with Limiter

2 RU 19" or Table Top Power Mixer with 4x100 W/4 ohms power (2 for Stereo Out and two for separate mono zones.) Multi-band THAT Corp Limiter, adjustable. Controls effectively overall SPL for stereo master. Front 6.3 mm Phone Jacks may be used with supplied cinch adaptors or Stereo 3.5 mm Adaptor. Other features like GMX-2500

No. 180621

AMV-7240 MKII Automatic Power Mixer

5 Mic/Line inputs with automatic mix, singly switchable.
 2 auxiliary inputs. 240 W RMS, 100 volt. Internal adjustable 3 band input eq per channel, compressor, limiter, gate.
 4 band parametric eq in master out. 19" 2 RU, or Table top without rack ears. Internal adjustments possible by removing small steel plate from top cover. Calibration screwdriver included.

No. 180621



INDUCTION LOOP AMPLIFIER



ISV-1000 Induction Loop Amplifier

Covers areas of up to 1000 sqm. Pre-installed for 200 sqm. Other sizes 100 sqm, 500 sqm and 1000 sqm per internal jumper. Maximum output power is 12.7 A. All knobs may be taken off and sealed by blind covers supplied with the unit. 19" rack ears may be removed for table-top use. Self adhesive induction loop logos included.

No. 180631

ISV-1090 Induction Loop Amplifier

Power Specs same as with the ISV1000. Master/Slave output via 6.3 mm phone connection. The ISV1090 may be used as a single amplifier, for several loops via the connector or as a Master or Slave amplifier for low-spillover induction loops. For low-spillover loops a 90° phase shifter PSM90 will be installed in the master unit. Various functions such as metal loss correction, phase shifter, single/master/slave operation may be selected internally.

No. 180636

PSM90 Phase-Shifter Modul

Module may be inserted in a master unit ISV1090 for low spillover induction loops.

No. 180637

Copper Foil Wire 50 m reel

Copper Foil Wire 18 mm (1.8 sq mm), self adhesive, insulated, 50 m Copper Foil Wire, 0.1 mm thickness, higher inductivity than round wire, equals approx. 3.5 sq mm

No. 180632

Copper Foil Printed Marking Tape 50 m reel

Adhesive type to fix copper foil wire to surfaces, also warns against cutting of wire.

No. 180634

Copper Foil Protector

Copper Foil Protector Extrusion Pieces 3 m. Specially molded protectors w/self adhesive sides, for mechanical protection.

No. 180633

50/70/100 V AMPLIFIERS output transformer isolated



SINGLE CHANNEL AMPLIFIERS 50/70/100 V x-former isolated, plus Low Impedance

AX-1121TS 120W Amplifier, 1 RU

50/70/100 V transformer isolated output/low impedance output, convection cooled. Switched Mode Power Supply. Phoenix in and out connectors.

No. 180211



AX-1121T 120W Amplifier, 1 RU

50/70/100 V transformer isolated output/low impedance output, convection cooled. Transformer power supply. XLR in and slave out. Binding posts for low impedance output, Phoenix for 50/70/100 V Output.

No. 180212



AX-1240TS 240W Amplifier, 2 RU

50/70/100 V transformer isolated output plus low impedance output, convection cooled. Switched mode power supply.

No. 180221



AX-1400TS 400W Amplifier, 2 RU

50/70/100 V transformer isolated output plus low impedance output, convection cooled. Switched mode power supply.

No. 180231



50/70/100 V AMPLIFIERS output transformer isolated



TWO CHANNEL AMPLIFIERS 100 V x-former isolated output, very low fan noise

AX-2120TS 2x120W/100V, 2 RU

Switched mode power supply. Transformer isolated outputs, low noise fan cooling.

No. 180111



AX-2240TS 2x240W/100V, 2 RU

Switched mode power supply. Transformer isolated outputs, low noise fan cooling.

No. 180121



AX-2500-2TS Verstärker 2x500W/100V, 2 RU

2nd emergency override input triggered by 12-24 v dc or ac. Phoenix in and out connectors. Switched mode power supply. Switchable low cut filters 60/80 Hz, parallel/stereo mode.

No. 180131



AX-2500T 2x500W/100V, 2 RU

Transformer PSU, low noise fan. XLR in, binding posts out. Switchable low cut filters 60/80 Hz, parallel/stereo mode. Switchable Limiters.

No. 180132



50/70/100 V AMPLIFIERS output transformer isolated



FOUR CHANNEL AMPLIFIERS 50/70/100 V x-former isolated, plus Low Impedance output

AX-4120TS 4x120 W Amplifier, 2 RU

50/70/100 V transformer isolated/low impedance output, low noise fan. Volume control knobs detachable and sealable with blind covers.

No. 180251

AX-4240TS 4x240 W Amplifier, 2 RU

50/70/100 V transformer isolated/low impedance output, low noise fan.

No. 180261



TWO CHANNEL LOW IMPEDANCE AMPLIFIERS



CLP2090 1 RU Amplifier 2x90W/4 ohms

2x65 W at 8 ohms load. XLR in and XLR slave out. Binding-Posts out. Convection cooled.

No. 180013



CLP2300 1 RU Amplifier 2x300W/4 ohms

No noise operation. Class H, XLR In, XLR Link, Rumble Filter, Speakon Out, adjustable Pre-Gain.

No. 180062



COMPACT DELAY

PD-1A 24-bit Delta/Sigma A/D-D/A

Single channel high quality audio delay, switchable in 1 m increments up to 99 m. Built in power supply. Water protected IP20. Easy to mount on rear of loudspeakers.

No. 184011



TWO CHANNEL LOW IMPEDANCE AMPLIFIERS



AX-2150S 2x150W/4 ohms Amplifier

2 RU, low noise fan. Switched Mode PSU.

No. 180011



AX-2300i 2x300W/4 ohms Amplifier

2 RU, low noise fan. Switched Mode PSU.

No. 180121



AX-2500i 2x500W/4 ohms Amplifier

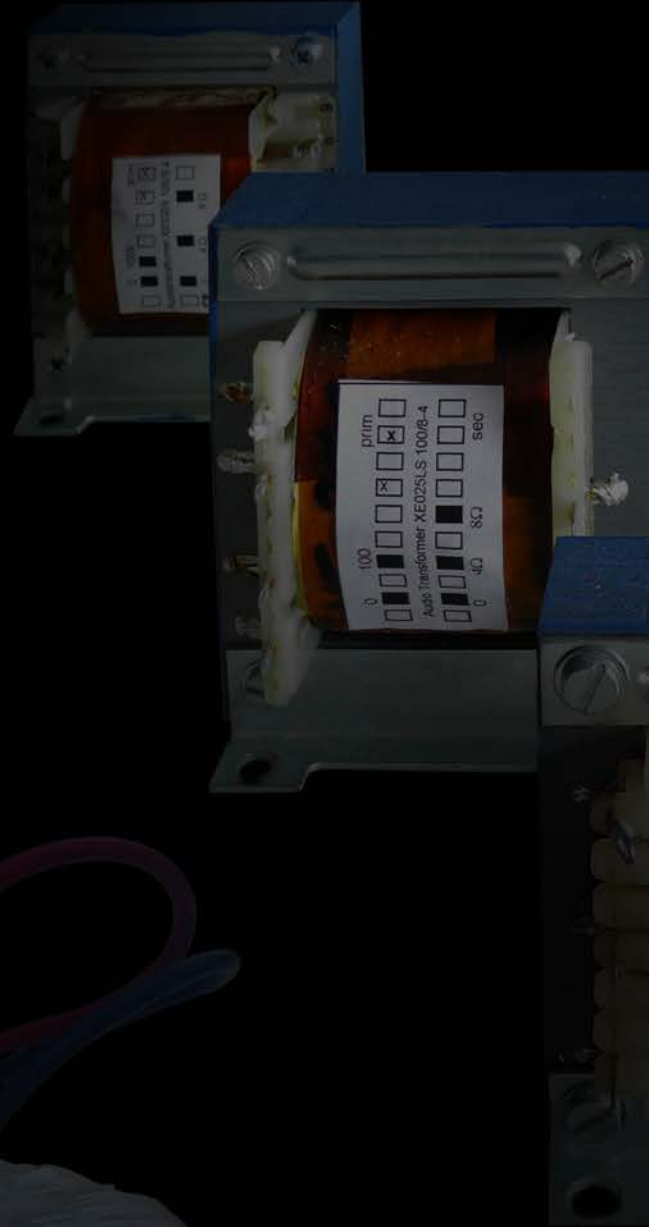
2 RU, low noise fan. Switched Mode PSU.

No. 180131



AUDIO TRANSFORMERS

High quality toroid core audio transformers for professional 70/100 v applications with linear frequency response and compact design. Load from 75 W to 800 W at 4 ohms. These transformers may be assembled in different sizes into our 2 RU, 19" steel chassis.



TOROID TRANSFORMERS LOW IMPEDANCE (4 OHMS) TO 70/100 V



These audio transformers are mostly used to transform low impedance output signals of audio amplifiers to constant voltage, either 70 v or 100 v. This is the result of the transformer winding ratio. You may ask us for table of power/impedance/voltage conversion.

Toroid transformers are shipped complete with mounting kits including steel disk, rubber isolation disks, screws, washers, etc. at no extra charge.

No.	Model	Power	Primary	Secondary
181109	XF-075TC	75 W	4 ohms	70/100 V
181101	XF-120TC	120 W	4 ohms	70/100 V
181108	XF-120TC2	120 W	2 ohms	100 V
181102	XF-200TC	200 W	4 ohms	70/100 V
181103	XF-250TC	250 W	4 ohms	70/100 V
181104	XF-300TC	300 W	4 ohms	70/100 V
181105	XF-400TC	400 W	4 ohms	100 V
181106	XF-500TC	500 W	4 ohms	70/100 V
181107	XF-800TC	800 W	4 ohms	70/100 V

1:1 100 V TRANSFORMERS

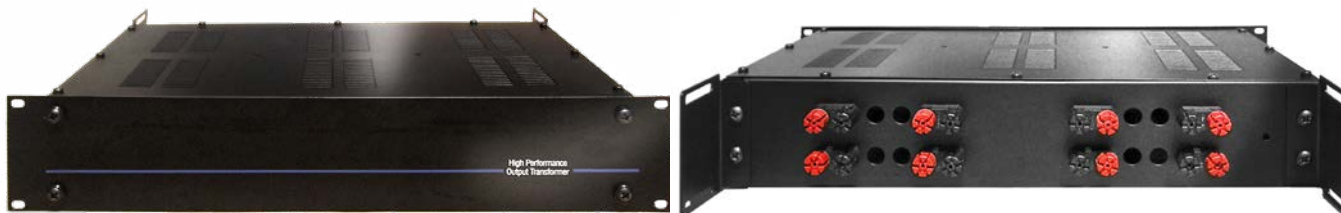
for galvanic isolation of high imp. amplifier outputs

The 1:1 impedance ratio toroid transformers are being used for galvanic isolation of 100 V output audio amplifiers with no built in output transformers. Safety regulations in many countries ask for this isolation, especially in critical applications, such as airports, stadia, hospitals, etc. The use of these transformers allows ground free wiring for line surveillance systems.

XF-120TC	XF-250TC	XF-500TC	XF-1250TC
1:1 100 V Toroid transf. with 1:1 winding ratio, 120 W	1:1 100 V Toroid transf. with 1:1 winding ratio, 250 W	1:1 100 V Toroid transf. with 1:1 winding ratio, 500 W	100V:100 V-Transf., 8:8 ohms, 1250 W
No. 181151	No. 181152	No. 181153	No. 181108

TOROID AUDIO TRANSFORMER SYSTEM, 4 OHMS TO 100 V

Below you find some of our standard transformer systems. We manufacture these systems with different transformer types according to our customer specifications. Please ask us. Four toroid transformers can be mounted in one 2 RU 19" chassis. Using an adaptor steel plate, we can mount up to 8 toroid transformers into one 19" chassis - depending on size of the transformer. 2 pcs. 800 W transformers fit inside, up to 4 pcs. 500 W, up to 6 pcs. 300 W and up to 8 pcs. of the 120 W type transformers. Touch proof binding posts are being used for connection.



No.	Model	Channels	Transformers	RU
181401	PT-2120T	2	2x120 W	2
181402	PT-4120T	4	4x120 W	2
181403	PT-6120T	6	6x120 W	2
181415	PT-8120T	8	8x120 W	2
181404	PT-2200T	2	2x200 W	2
181405	PT-4200T	4	4x200 W	2
181406	PT-6200T	6	6x200 W	2
181418	PT-2250T	2	2x250 W	2
181413	PT-4250T	4	4x250 W	2

No.	Modell	Channels	Transformers	RU
181419	PT-6250T	6	6x250 W	2
181407	PT-2300T	2	2x300 W	2
181408	PT-4300T	4	4x300 W	2
181409	PT-6300T	6	6x300 W	2
181414	PT-2400T	2	2x400 W	2
181410	PT-4400T	4	4x400 W	2
181411	PT-2500T	2	2x500 W	2
181416	PT-4500T	4	4x500 W	2
181412	PT-2800T	2	2x800 W	2

Other system/transformer configs. upon request. Versions 8 ohms to 100 V also.

LOUDSPEAKER TOROID TRANSFORMERS

Toroid loudspeaker transformers offer both excellent audio specifications with low electrical energy core loss. Axxent loudspeaker transformer are available ex inventory in sizes up to 500 W. Many high power loudspeakers from various manufacturers are not available with 100 v input, but applications in stadia, large venues and churches require these. axxent has for most of these applications the right choice of transformers.

No.	Model	Power	Loudspeaker Impedance
181110	XF-015TCLS	15 W	4/8 ohms
181208	XF-075TCLS	75 W	8 ohms
181207	XF-100TCLS	100 W	8 ohms
181201	XF-120TCLS	120 W	8 ohms
181202	XF-200TCLS	200 W	8 ohms
181203	XF-240TCLS	240 W	8 ohms
181204	XF-300TCLS	300 W	8 ohms



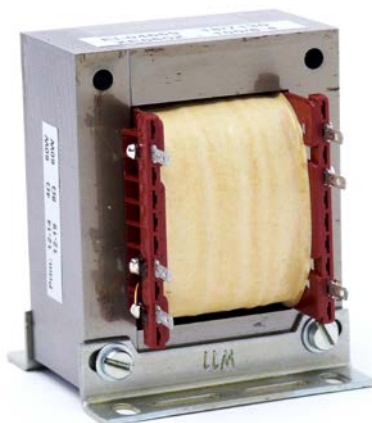
XF-500TCLS 500 W Loudspeaker Transformer

The XF500TCLS is our most powerful transformer to be used in or at loudspeakers for transformation from 100 V down to 8 ohms. World-renowned manufacturers have equipped their loudspeakers with this transformer for the use in stadia, large halls etc. Even critical listeners may not be able to differentiate the sound of such a loudspeaker to one without a transformer.

No. 181205

LOUDSPEAKER TRANSFORMERS, EI CORE

EI Core audio transformers do not have the same excellent audio specifications as the toroid types - however, because of the moderate price/performance characteristics these transformers find their application in smaller loudspeakers. axxent offers nine different types from 15 W to 100 W and one 25 W model with 12 W, 6 W and 3 W windings.



No.	Model	Power	Primary	Secondary
181301	XE-015LS	15 W	4/8 ohms	100 V
181309	XE-020LS	20 W	4/8 ohms	100 V
181302	XE-025LS	25 W	4/8 ohms	100 V
181303	XE-025LSM	25 W/ 12 W/ 6 W/3 W	8 ohms	100 V
181304	XE-030LS	30 W	4/8 ohms	100 V
181308	XE-030LS4	30 W	4 ohms	70/100 V
181305	XE-050LS	50 W	4/8 ohms	100 V
181306	XE-060LS	60 W	4/8 ohms	100 V
181307	XE-100LS	100 W	8 ohms	100 V

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