



**arts@und**

The pro guide

## Colophon

ArtSound 'The pro guide', 2015

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# artsound

smart solutions in audio



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Let's assume that you're not already familiar with ArtSound (100V), or – at most – you've heard about a couple of our products. Whichever is true, we'd like to make your acquaintance.

Not only does ArtSound excel in terms of its products, we also aim to surpass the competition with our single-minded approach, amongst other things, in providing information, making good our promises, listening to customers and, where necessary, training our staff.

Are you familiar with the old conventional wisdom 'the early bird gets the worm'? Here at ArtSound, we know better: the second mouse gets the cheese. If you're not big, then you have to be smart. In other words, we are not pretentious enough to think that our products have to be the first on the market. Nor do we feel compelled to change the world. Our products just have to offer solutions! Fast and efficient! Admittedly, we made things easy for ourselves. By listening carefully to what you - our customers - expect from us, over the years we have increased the size of our range eight times over. Thanks to your ideas. We can summarise all of these products using one common denominator: SMART. And this is where our mission statement comes from: 'Smart Solutions in Audio'. In other words: at ArtSound, you will find a loudspeaker for any setting, in any style or colour or for any surroundings or application. ArtSound has amplifiers and many other accessories too. Simple and functional. In short, SMART.

**ArtSound is a touch cocky, with a healthy dose of self-confidence, sincere and proper, and also important: just your size and affordable.**



# inwall loudspeakers

There is an unwritten law that music lovers everywhere will endorse: first and foremost, loudspeakers should be inconspicuous. They should enhance the fullest qualities of the music, without distortion and without putting the loudspeaker itself in the limelight. The times when an oversized soundbox was a sign of status and power are now happily behind us. Precisely because of that, ArtSound developed this range of inwall speakers.

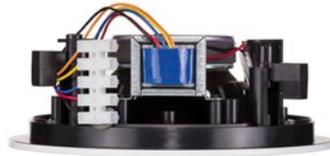


# FL501T

This inwall speaker is sleeker and even less visible than all its predecessors. The frame was reduced to just one millimetre, yet continues to score highly in terms of vibration absorption. The loudspeaker's grill has also been strikingly fine-tuned and is almost silk-like in touch. The sound is accurate, warm and carries a long way. A no-bones-about-it speaker with a fine finish.



One of the most popular speakers with an all-purpose design, thanks to the power of the sound and the modest mounting dimensions.

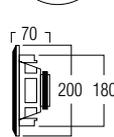
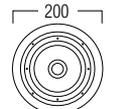


black grill (option)

## TECHNICAL SPECIFICATIONS

range	<50m <sup>2</sup>
sound quality	allround
system	2-way coaxial
woofer	5.25" polypropylene carbon
tweeter	0.5" polycarbonate
max power (100V)	2.5 - 5 - 10 - 20W
max power (8Ω)	-
sensitivity (1W / 1m)	88dB
frequency range	85Hz - 20kHz
dimensions cut-out (Ø)	180mm
dimensions (Ø x d)	200 x 70mm
weight / piece	1,1kg
housing	ABS
colour	white
extra	paintable
options	KITR02 - MOKIT R0212 black grill (GRILL R0525 B)

## DIMENSIONS





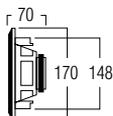
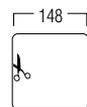
## FL101T

This inwall speaker is sleeker and even less visible than all its predecessors. The frame has been reduced to just one millimetre, yet continues to score highly in terms of vibration absorption. The loudspeaker's grill has also been strikingly fine-tuned and is almost silk-like in touch. The sound is accurate, warm and carries a long way. A no-bones-about-it speaker. Not without reason the most popular inwall speaker.



black grill (option)

### DIMENSIONS



### TECHNICAL SPECIFICATIONS

range	<50 m <sup>2</sup>
sound quality	allround
system	2-way coaxial
woofer	5.25" polypropylene carbon
tweeter	0.5" polycarbonate
max power (100V)	2.5 - 5 - 10 - 20W
max power (8Ω)	-
sensitivity (1W / 1m)	88dB
frequency range	85Hz - 20kHz
dimensions cut-out (Ø)	148 x 148mm
dimensions (Ø x d)	170 x 170 x 70mm
weight / piece	1,1kg
housing	ABS
colour	white
extra options	paintable
	KITSQ1
	black grill (GRILL SQ525 B)



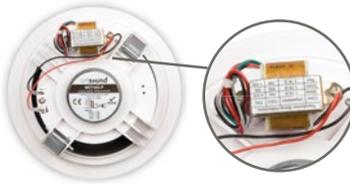
The FL101T is a real hit. It leaves no space untouched: the corridor, waiting room, kitchen ... you can even paint it over in your favourite colour.

# MDT600-P

The MDT600-P is the most widely used inwall speaker in 100V projects. Its large 6" driver guarantees a warm sound.



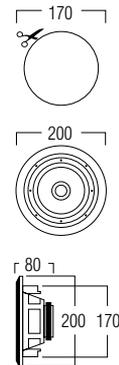
The larger the diameter of the driver, the bigger the suppression of the speaker. As a result, the speaker is easily able to fill corridors, canteens, offices or reception areas, such as here.



## TECHNICAL SPECIFICATIONS

range	50m <sup>2</sup>
sound quality	allround
system	full range driver
woofer	6" paper cone
tweeter	-
max power (100V)	3 - 6 - 9W
max power (8Ω)	-
sensitivity (1W / 1m)	91dB
frequency range	80Hz - 18kHz
dimensions cut-out (Ø)	170mm
dimensions (Ø x d)	200 x 80mm
weight / piece	0,9kg
housing	ABS
colour	white
extra	spring clip

## DIMENSIONS



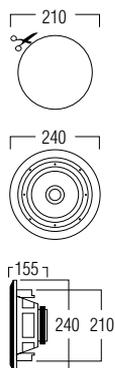


## MDT500-P

In view of its dimensions, the MDT500-P is an extremely powerful inwall speaker with a maximum capacity of 30W. Its large 6" driver guarantees a warm sound.



### DIMENSIONS



### TECHNICAL SPECIFICATIONS

range	40m <sup>2</sup>
sound quality	allround
system	full range driver
woofer	5" paper cone
tweeter	1.5" PEI
max power (100V)	3.75 - 7.5 - 15 - 30W
max power (8Ω)	40W / 8Ω
sensitivity (1W / 1m)	89dB
frequency range	100Hz - 18kHz
dimensions cut-out (Ø)	210mm
dimensions (Ø x d)	240 x 155mm
weight / piece	2,1kg
housing	ABS
colour	white
extra	back cabin
options	switch button 100V / 8Ω

This MDT500-P is common sight in shops, restaurants and chain stores. Thanks to its in-built bass reflex and the knob at the rear to regulate the wattage, this speaker has grown into a real allrounder.

# MDT400-I

100 V rounded inwall loudspeaker suitable for the reproduction of music as well as PA announcements. The MDT400-I comes with a metal frame and has a shallow inwall depth.



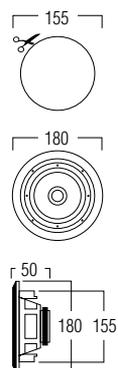
Thanks to its shallow inwall depth, the MDT400-I is the ideal partner for background music. Its style is discretion, like in this trendy restaurant.



## TECHNICAL SPECIFICATIONS

range	40m <sup>2</sup>
sound quality	allround
system	full range driver
woofer	4" paper cone
tweeter	-
max power (100V)	1.5 - 3 - 6W
max power (8Ω)	-
sensitivity (1W / 1m)	92dB
frequency range	130Hz - 16kHz
dimensions cut-out (Ø)	155mm
dimensions (Ø x d)	180 x 50mm
weight / piece	0,7kg
housing	metal
colour	white
extra	spring clip

## DIMENSIONS





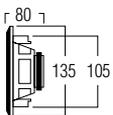
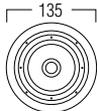
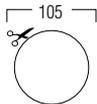
## MDT50

Though only slightly larger than a spotlight fitting, the MDT50 generates incredibly warm sound. This makes it ideal for use in small rooms in new or renovated buildings where design and architecture play a starring role. Its power can be adjusted by means of a selection button.

colours silver / white



### DIMENSIONS



### TECHNICAL SPECIFICATIONS

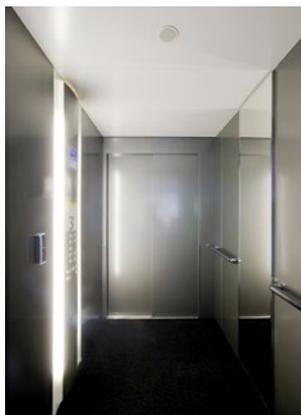
range	<40m <sup>2</sup>
sound quality	allround
system	voice coil
woofer	4" polypropylene
tweeter	-
max power (100V)	1.5 - 3 - 6W
max power (8Ω)	10W
sensitivity (1W / 1m)	80dB
frequency range	90Hz - 15kHz
dimensions cut-out (Ø)	105mm
dimensions (Ø x d)	135 x 80mm
weight / piece	0,6kg
housing	metal
colour	white / silver
options	KIT R0135



Slightly larger, the MDT50 can carry sound farther than its little sister, the MDT30.

# MDT30

The MDT30 is not much larger than an average spotlight, but incorporates an exceptionally warm sound generator. This makes it particularly suited for use in modern or renovated buildings where design and architecture are high on the agenda. Its power can be adjusted by means of a selection button.



Designed as a spotlight, this MDT30, doesn't need a lot of room to provide a warm background sound.



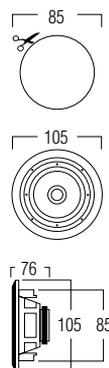
colours silver/ white



## TECHNICAL SPECIFICATIONS

range	<30m <sup>2</sup>
sound quality	background
system	voice coil
woofer	3" polypropylene
tweeter	-
max power (100V)	1,5 - 3 - 6W
max power (8Ω)	10W
sensitivity (1W / 1m)	80dB
frequency range	100Hz - 15kHz
dimensions cut-out (Ø)	85mm
dimensions (Ø x d)	105 x 76mm
weight / piece	0,5kg
housing	metal
colour	white / silver
options	KIT R0105

## DIMENSIONS





## inwall solutions

Thanks to the ArtSound inwall kit, almost every model of inwall speaker can be flush-mounted. A problem-solving approach is central to this. In the main, we are talking about four series of products, of which there are different versions: round, square, rectangular, etc.

For the round models this consists of a special acoustic PVC pot which fully seals the rear of the loudspeaker.

For the square models, we have developed a customized square-shaped rear from MDF.

For several models we have a special kit which enables the loudspeaker to be fitted in the wall. Thanks to the kit, you can fix the loudspeaker firmly in the wall and your adhesive will be flush with the front (frame) of the inwall speaker.

The MOKIT is even supplied with an additional PVC inwall receptacle for extra loudspeaker protection.

## DUST KIT



## ASSEMBLY KIT



### KIT R0105

material metal, fireproof  
dim. (h x w x d) 85 x 80 x 80mm  
suitable for MDT30

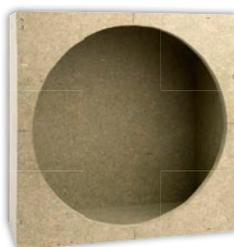
### KIT R0135

material metal, fireproof  
dim. (h x w x d) 85 x 100 x 80mm  
suitable for MDT50

### MOKIT R0212

material PVC  
dim. (h x w x d) Ø 215mm  
suitable for FL501T

## ACOUSTIC KIT



### KITSQ1

material MDF moistureproof  
internal dimensions 148 x 148mm (h x w)  
dim. (h x w x d) 220 x 220 x 98mm  
suitable for FL101T

### KITR02

material MDF moistureproof  
internal dimensions 180mm (Ø)  
dim. (h x w x d) 250 x 250 x 98mm  
suitable for FL501T

## CONCRETE KIT

The smart solution for acoustically unfavourable surroundings. This kit generates a fine sound in any concrete construction. Install before the concrete is cast.



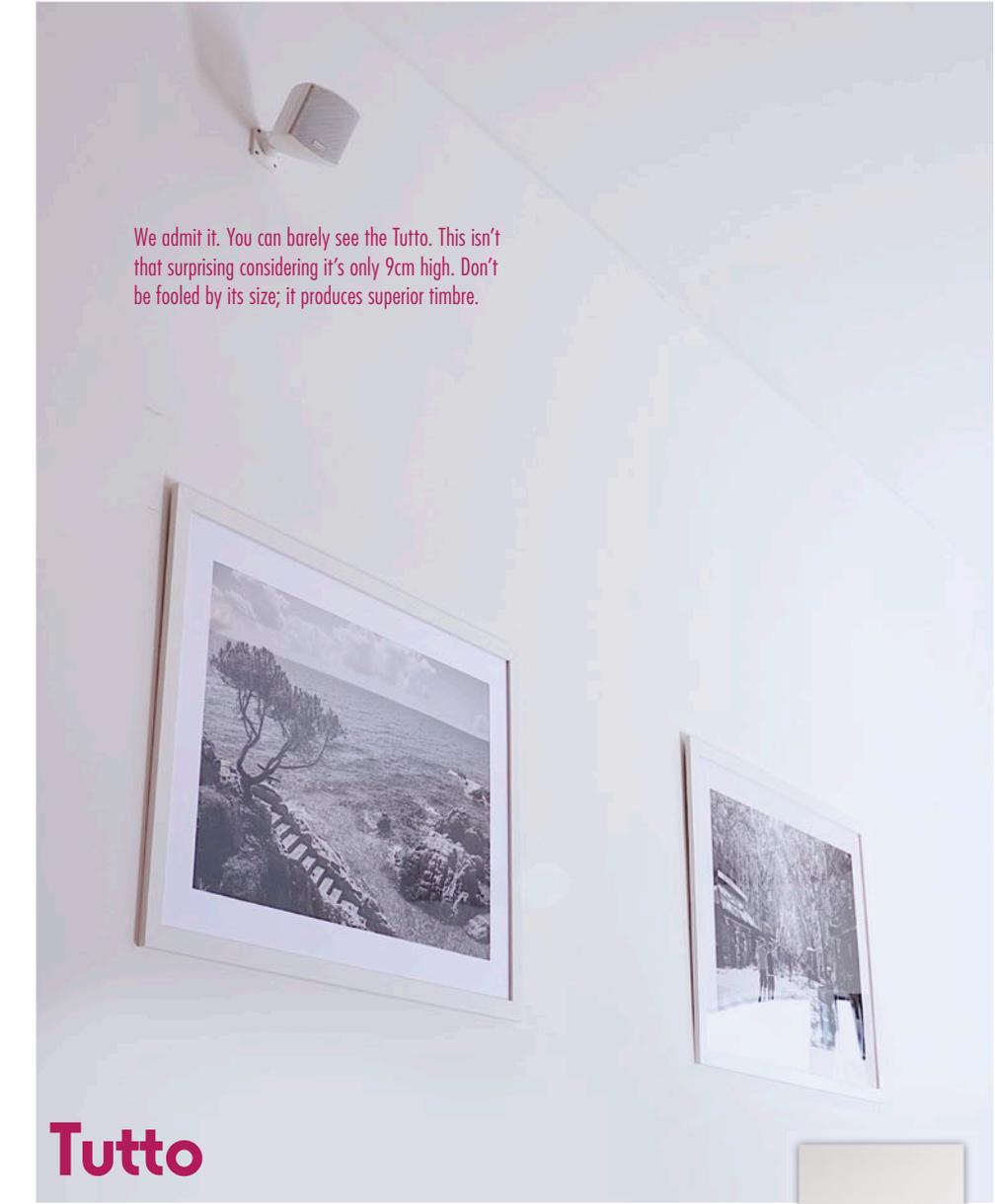
### CKIT

material ABS + mineral fibre panel  
dimensions (Ø) 300 x 111mm  
suitable for universel - till Ø x d : 200 x 100mm



# onwall speakers

Onwall speakers may be used as stand-alones, or mounted onto the wall or ceiling. ArtSound specialises in the manufacture of compact loudspeakers: limited dimensions, incredible quality and endless listening pleasure!



We admit it. You can barely see the Tutto. This isn't that surprising considering it's only 9cm high. Don't be fooled by its size; it produces superior timbre.

## Tutto

Tutto2.1 delivers a space-filling sound whilst remaining highly discreet. Versatile speaker set with deluxe rubber finish, for both large and small spaces. It has been designed for residential use, use in shops, offices, restaurants, etc. The subwoofer with built-in filter system<sup>®</sup> can be connected to two or more satellites. Can be used in low-ohm surroundings and in professional settings (100V).



The Tutto2.1 is a great set. You can quite easily create a fantastic sound using the patented filters and the finely tuned satellites. **Note however, that the satellites cannot be used separately, seeing as these have been tuned to the filters.** Nevertheless, you can order extras (Tutto2) to add units to the existing set. In this way you can give a passageway or large space the sound it deserves.



**⚠ Satellite speakers may only be used in combination with the patented Tutto1 subwoofer.**

**COLOURS** white / black



## TECHNICAL SPECIFICATIONS

### Tutto2.1 - SET (SUBWOOFER + SATELLITES)

max power (100V)	30 - 60W
max impedance $\Omega$	120W
frequency range	20 - 18kHz
options	possible to connect 2 extra satellites

### Tutto1 - SUBWOOFER

woofer	dual-chamber subwoofer
bass reflex	yes
dimensions (h x w x d)	400 x 168 x 400mm
weight / piece	5,9kg
housing	MDF
colour	black / white
extra	wall bracket, 4 feet

### Tutto2 - SATELLITE

mid-high	3" paper cone
dimensions (h x w x d)	100 x 90 x 80mm
weight / piece	0,4kg
housing	ABS
colour	black / white
extra	wall bracket
options	ceiling bracket



- ① subwoofer
- ② easy phoenix cable connection
- ③ including a discreet wall mounting



optional : ceiling bracket available

# UNI40T

Universals. The name gives the game away: they can be used anywhere! Not only in terms of location, but sound too. Thanks to the timeless design, the Universals embodies a striking neutrality. On the other hand, with respect to performance, it's quite dominant: warm, detailed and with a wide reach thanks to ArtSound sound technology. The unit is dust- and moisture-resistant. The plug-in screw terminal facilitates easy connection of the speaker cable. Can be used in offices, refrigeration areas, conference rooms, warehouses, stations, etc.



**COLOURS** white / black / quartz



With the UNI40T, it's possible to brighten up any filling station, boardroom, conference room or bar.

## TECHNICAL SPECIFICATIONS

range	<40m <sup>2</sup>
sound quality	allround
system	2-way
woofer	5.25" polypropylene mica
tweeter	1/2" PEI ferrite
bass reflex	yes
magnetic shielded	-
max. power (100V)	4 - 7.5 - 15 - 30W
max. power (8Ω)	80W / 8Ω
sensibility (1W / 1m)	87dB
frequency range	60Hz - 20kHz
dimensions (h x w x d)	230 x 146 x 142mm
weight / piece	2.4 kg
housing	ABS
colour	white / black /quartz
extra	u-wall-bracket



u-wall-bracket



power

CLICK !



plug-in screw adaptor



# UNI30T

Universals. The name gives the game away: they can be used anywhere! Not only in terms of location, but sound too. Thanks to the timeless design, the Universals embodies a striking neutrality. On the other hand, with respect to performance, it's quite dominant: warm, detailed and with a wide reach thanks to ArtSound sound technology. The unit is dust- and moisture-resistant. The plug-in screw terminal facilitates easy connection of the speaker cable. Can be used in offices, refrigeration areas, conference rooms, warehouses, stations, etc.

**COLOURS** white / black / quartz



u-wall-bracket



power

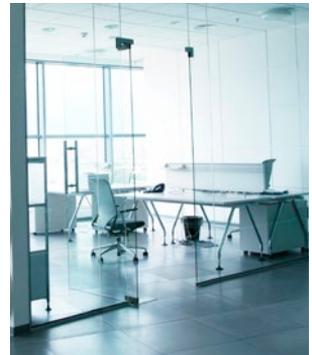
CLICK!



plug-in screw adaptor

## TECHNICAL SPECIFICATIONS

range	<40m <sup>2</sup>
sound quality	allround
system	2-way
woofer	3" paper cone + foam surround
tweeter	1/2" PEI Ferrite
bass reflex	yes
magnetic shielded	-
max. power (100V)	2 - 4 - 8 - 15W
max. power (8Ω)	50W / 8Ω
sensitivity (1W / 1m)	86dB
frequency range	100Hz - 20kHz
dimensions (h x w x d)	180 x 115 x 112mm
weight / piece	1,5kg
housing	ABS
colour	white / black / quartz
extra	u-wall-bracket



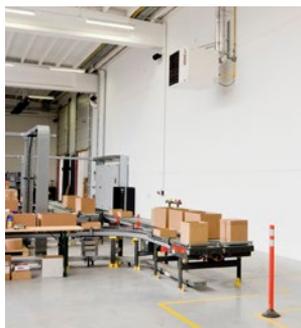
For years, the UNI30T – together with the UNI30 – has been the best-selling loudspeaker in the Benelux. So, what's its secret? It's robust, produces quality sound, is timeless in design and is easy-to-use.

# E5T

Its unusually strong frame conceals a technical tour-de-force that produces powerful sound. The specially designed double woofer guarantees a warm sound that carries over unusually long distances. The curved design ensures that your favourite music will be distributed throughout the entire room.

① This specially designed bracket is multi-functional. You can use it as a base, wall bracket or even as a ceiling bracket. Thanks to the ball and socket joint, you can align it in any direction you like, using each of the three options.

② The gold-plated connection modules for the loudspeaker cables guarantee optimum conduction.



The E5T is a major player. It can fill high-ceilinged rooms with a warm sound that can travel long distances.

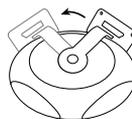
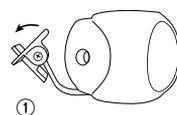


**COLOURS** white



## TECHNICAL SPECIFICATIONS

range	<50m <sup>2</sup>
sound quality	warm and detailed
system	2-way
woofer	5" dual paper cone
tweeter	1" titanium dome
bass reflex	-
magnetic shielded	-
max. power (100V)	20W
max. power (8Ω)	16Ω / 70W
sensibility (1W / 1m)	89dB
frequency range	60Hz - 20kHz
dimensions (h x w x d)	355 x 180 x 255mm
weight / piece	4.5 kg
housing	ABS
colour	white
extra	wall bracket switch button 100V / 16Ω





## E4T

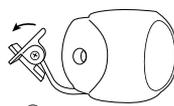
Its unusually strong frame conceals a technical tour-de-force that produces powerful sound. The specially designed double woofer guarantees a warm sound that carries over unusually long distances. The curved design ensures that your favourite music will be distributed throughout the entire room.

COLOURS white

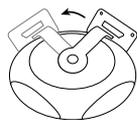


① This specially designed bracket is multi-functional. You can use it as a base, wall bracket or even as a ceiling bracket. Thanks to the ball and socket joint, you can align it in any direction you like, using each of the three options.

② The gold-plated connection modules for the loudspeaker cables guarantee optimum conduction.



①



①



②

### TECHNICAL SPECIFICATIONS

range	<40m <sup>2</sup>
sound quality	detailed
system	2-way
woofer	4" dual paper cone
tweeter	1" titanium dome
bass reflex	-
magnetic shielded	-
max. power (100V)	20W
max. power (8Ω)	16Ω / 50W
sensitivity (1W / 1m)	88dB
frequency range	60Hz - 20kHz
dimensions (h x w x d)	322 x 160 x 230mm
weight / piece	3.6kg
housing	ABS
colour	white
extra	protection system
	wall bracket
	switch button 100V / 16Ω



You can mount the E-series both horizontally and vertically. The double woofer fills any room effortlessly with sound.



# PSW20

The PSW20 is a high quality projector of sound made from ABS (plastic). It is a 100V application which singles itself out for other models because of its exceptional output. As a result, it stands out above the ambient noise of sound-pressure. The PSW20 has been custom-designed for industrial spaces and buildings and can be used for music and as a PA system. This onwall speaker comes with a standard U-shaped mounting bracket.



Thanks to its high output levels, the PSW20 stands out above the noise of working machines.



**COLOURS** white



## TECHNICAL SPECIFICATIONS

range	>40m <sup>2</sup>
sound quality	allround
system	voice coil
woofer	6" injection cone
tweeter	-
bass reflex	-
magnetic shielded	-
max. power (100V)	2.5 - 5 - 10 - 20W
max. power (8Ω)	-
sensibility (1W / 1m)	82dB
frequency range	70Hz - 15kHz
dimensions (Ø x d)	199 x 295mm
weight / piece	2.4 kg
housing	ABS
colour	white
extra	waterproof wall-bracket





# HSW16

With the HSW16 you can work in a direct fashion. It's suitable for sending messages across long distances. But it's not averse to a bit of music either. What's more, in all kinds of weather.

COLOURS white



Want to pep up the football fans? Not a problem with the HSW16.



power selector :  
2 - 4 - 8 - 16W



## TECHNICAL SPECIFICATIONS

range	<50m <sup>2</sup>
sound quality	allround
system	voice coil
woofer	-
tweeter	-
bass reflex	-
magnetic shielded	-
max. power (100V)	2 - 4 - 8 - 16W
max. power (8Ω)	-
sensitivity (1W / 1m)	114dB
frequency range	360Hz - 8,5kHz
dimensions (h x w x d)	202 x 213 x 245mm
weight / piece	1.6 kg
housing	ABS
colour	white
extra	waterproof wall-bracket

# ASP60

Globe-shaped, specially developed to be able to offer good distribution of music (or PA) using a minimum number of loudspeakers. Design guarantees distribution up to 360°. Suitable for public spaces, halls, corridors, etc.



Highs and lows: neither are real friends for effective acoustics. Not a problem for the ASP60 though.

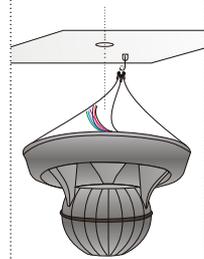


COLOURS black / white



## TECHNICAL SPECIFICATIONS

range	<100m <sup>2</sup>
sound quality	allround
system	full range driver
woofer	6" paper cone
tweeter	-
bass reflex	yes
magnetic shielded	-
max. power (100V)	7.5 - 10 - 15- 20 - 30 - 60W
max. power (8Ω)	-
sensibility (1W / 1m)	102dB
frequency range	100Hz - 10kHz
dimensions (h x Ø)	302 x 385mm
weight / piece	3.4 kg
housing	ABS
colour	white / black
extra	suspension cable 35cm



metal  
suspension cable



COLOURS white

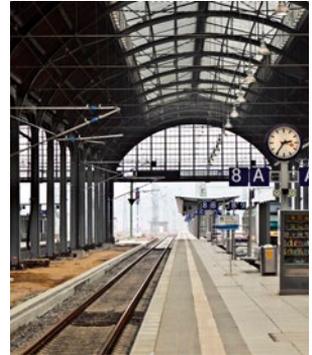


#### TECHNICAL SPECIFICATIONS

range	<40m <sup>2</sup>
sound quality	allround
system	voice coil
woofer	5" paper cone full range
tweeter	-
bass reflex	-
magnetic shielded	-
max. power (100V)	4 - 8 - 16W
max. power (8Ω)	-
sensitivity (1W / 1m)	97db +/- 3dB
frequency range	100Hz - 15kHz
dimensions (h x Ø)	157 x 185mm
weight / piece	1,46 kg
housing	ABS
colour	white
extra	suspension cable 450cm

## OSP16

How do you fill a large space with the fewest possible speakers? Answer: with the OSP16. The OSP16 is a spherical loudspeaker. 360°. Made from ABS.



You don't need to be big to put in a strong performance. The OSP16 proves this point here in this warehouse. Yet another smart solution.



# ASW35

Landscape loudspeaker for delightful background music on the patio, in the garden, by the pool etc. Withstands weather and wind. Comes with standard ground stand or wall bracket.

## Optional

Available as 100V variant with optional ET20 transformer.



The ASW35 creates a frolicking sound, like a spring flower in your garden.



## TECHNICAL SPECIFICATIONS

range	<30m <sup>2</sup>
sound quality	background
system	full range driver
woofer	3" polypropylene cone
tweeter	-
bass reflex	-
magnetic shielded	no
max. power (100V)	-
max. power (8Ω)	8Ω / 20W
sensibility (1W / 1m)	89dB
frequency range	150Hz - 10kHz
dimensions (h x w)	240 x 95mm
weight / piece	0.60kg
housing	ABS
colour	white
extra	onwall bracket / ground stand waterproof
options	transformer (ET20)



wall bracket  
(inclusive)



transformer ET20



# ASW65.2T

The ASW65.2T is one of the greats among the waterproof loudspeakers. It incorporates the newest acoustic technology and is amazingly powerful yet discreet. The unique curved shape produces clear, warm sound performance. Thanks to the indoor-outdoor switch, this speaker provides pure musical enjoyment, outdoors as well as indoors. In addition, the bass reflex may be hermetically sealed using the tube supplied.

COLOURS white / black



The ASW65.2T is no softie though. Larger terraces, a swimming pool ... they're all right up its street.

## TECHNICAL SPECIFICATIONS



indoor-outdoor switch

range	<50m <sup>2</sup>
sound quality	allround
system	2-way
woofer	6,5" polymica cone
tweeter	1" PEI dome neodymium
magnetic shielded	-
max. power (100V)	5 - 10 - 20 - 40W
max. power (8Ω)	8Ω /80W
sensibility (1W / 1m)	87dB
frequency range	53Hz - 20kHz
dimensions (h x w x d)	330 x 240 x 180mm
weight / piece	3,63kg
housing	ABS
colour	white / black
extra	waterproof / wall bracket power selector 5-10-20-40W or 8Ω / indoor-outdoor switch button



# ROCKT

RockT is a speaker in the shape of a rock, blending into the background when used in a garden. Thanks to the special bass reflex it has a powerful sound dispersal (up to 130W) and can produce excellent sound quality over a wide area. The RockT is a 100V loudspeaker – there is also a low-ohm version called the Rock.



The RockT is actually made to disappear, between high grass, rocks, flowers and plants. You may not see it, but you'll hear it just the same.



COLOURS grey / brown



## TECHNICAL SPECIFICATIONS

range	<50m <sup>2</sup>
sound quality	detailed
system	2-way coaxial
woofer	6.5" polypropylene carbon
tweeter	0,5" PEI dome
bass reflex	yes
magnetic shielded	no
max. power (100V)	30W
max. power (8Ω)	-
sensibility (1W / 1m)	91dB
frequency range	50Hz - 20kHz
dimensions (h x w x d)	320 x 230 x 270mm
weight / piece	5kg
housing	ABS
colour	grey / brown
extra	frost-free waterproof



# amplifiers

No music without an amplifier.

No ARTSOUND amplifier, no specific application. In developing the range, ArtSound's goal was to create smart and affordable solutions. Rather than develop 100 models, each suitable for just one specific situation, we designed versatile amplifiers that excel in their flexibility. They are also incredibly easy to install and are user-friendly. One or more zones, microphones, a soothing radio station, it's all possible. They are also very easy to control, and built into a sturdy housing, making them resistant to dust and heat. Smart Solutions, remember.



What's the purpose of amplifiers exactly?  
Why are they necessary?

Depending on the situation, an amplifier can be simple or complicated. The purposes of a sound amplifier is to intensify audio signals for the human ear, for example, for reproducing an audio CD, a microphone system, a guitar, etc. But they also have other applications, such as amplification of high-frequency signals for radio and TV stations.



Generally speaking, there are three types of amplifiers. Most of us are familiar with the **MIXING amplifier**, a difficult word for something that can handle anything. It will help you define the wattage you need. Just connect up the speakers and the source, and hey presto!

The name **PRE-amplifier**, however, says exactly what the amplifier does: it defines the way you want things **BEFORE** you amplify them. In other words it is the nervous system of the sound system. This unit determines the source you want to select, the volume, etc.



The **POWER amplifier** defines the capacity of the system, that is, its brute force. It's just like a car, which has its steering system (pre-amplifier) and engine (power amplifier). Neither can exist without the other.

Finally, there is the **matrix**, which functions like an adult dispatcher with the fire services. He coordinates everything: who is sent where and in what numbers? Who receives priority? Etc. You can almost feel what's coming next. A system using a matrix requires a little more forethought. The matrix always maintains an overview.



# mixing amplifiers

All inclusive!

This type of amplifier combines pre- and postamplification in a single device. It is often possible to connect several sources and microphones to these amplifiers. They are suitable for simple tabletop set-ups but also for more complex combinations.



# MX-120T

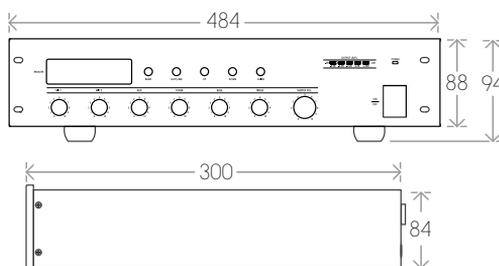
## TABLETOP MODEL OR 19" MIXING AMPLIFIER

Compact, universal mixing amplifier that produces 120W. The MX-120T has a built-in tuner and treble and bass control. It also has individual input control (3 channels) and is protected against short-circuiting and thermal overload.



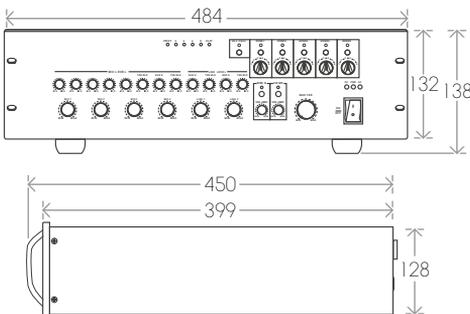
The MX-120T is a highly versatile amplifier. For use in a shoe shop, but also a local sports hall, council chamber or school – they are all within its scope.

output capacity 100V	120W
output capacity RMS 8Ω	120W
frequency range	50Hz - 15kHz
zones	1
direct output	70V / 100V / 4 - 8Ω
LED level indicator	yes
tone control	yes
built-in source	AM/FM tuner - 100 presets
output	no
amp in	yes
pre-amp out	yes
MIC input	2 (XLR/Phoenix) 2 RCA
AUX input	2 RCA
tape input	-
chime function	yes
priority levels	2 MIC
power supply	240V AC / 12V DC
power consumption	210W
dimensions (h x w x d)	88 x 484 x 300mm - 2RS
weight	15kg
extra	brackets for 19" rack assembly
accessories	microphone MIC-621A





output capacity 100V	240W
output capacity RMS 8Ω	240W
frequency range	50Hz - 16kHz
zones	5
direct output	70V / 100V / 4Ω
LED level indicator	yes
tone control	yes (individual)
output	yes (REC)
amp in	yes
pre-amp out	yes
MIC input	4(1)
AUX input	4(1)
tape input	0
chime function	yes
priority levels	5 (evacuation / tel / MIC-318 / MIC / sirene, chime)
power supply	240V AC / 24V DC
power consumption	320W
dimensions (h x w x d)	132 x 484 x 399mm
weight	20.15kg
accessories	microphone MIC-318 / MIC-511C / MIC-621A



# MX-240S

## 5-ZONE 19" SELECTIVE MIXING AMPLIFIER

This compact integrated amplifier generates 240W. You can instantly create five zones operating independently (a single source simultaneously). They each have their own volume level and selective PA option.



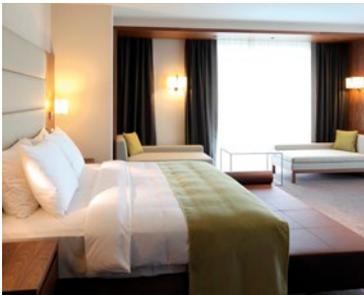
The music in the refrigeration aisles is louder than in the checkout area of this supermarket. What's more, you can put out calls for staff per zone.



# MX-500S

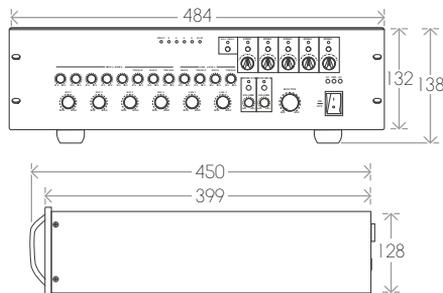
## 5-ZONE 19" SELECTIVE MIXING AMPLIFIER

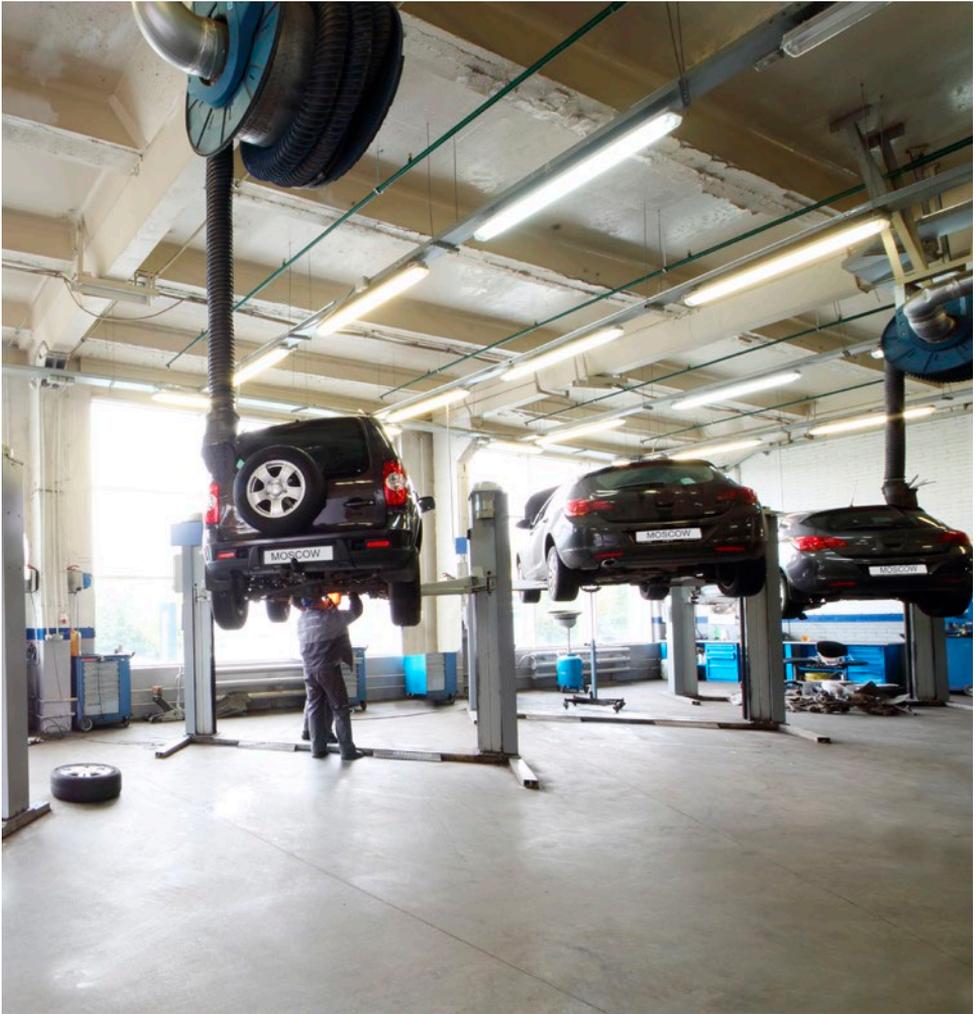
500W raw power in one lump of granite. In an instant, you can create 5 zones which operate independently of each other. They each have their own volume level and selective PA option.



There are four zones in this hotel. Given the size of the number of zones, for example, the lobby, and its use, a large available capacity is required. The MX-500S feels at home here.

output capacity 100V	500W
output capacity RMS 8Ω	500W
frequency range	50Hz - 16kHz
zones	5
direct output	70V / 100V / 4Ω
LED level indicator	yes
tone control	yes (individual)
output	yes (REC)
amp in	yes
pre-amp out	yes
MIC input	4(1)
AUX input	4(1)
tape input	0
chime function	yes
priority levels	5 (evacuation / tel / MIC-318 / MIC / sirene, chime)
power supply	240V AC / 24V DC
power consumption	800W
dimensions (h x w x d)	132 x 484 x 399mm
weight	22kg
accessories	microphone MIC-318 / MIC-511C / MIC-621A





# matrix

Divide and rule!

More complex situations demand more flexible solutions. This is precisely where the use of matrices comes in so handy. At your command, the amplifier directs the signal to the zone of your choice. Flexibility.



# MAT-8000

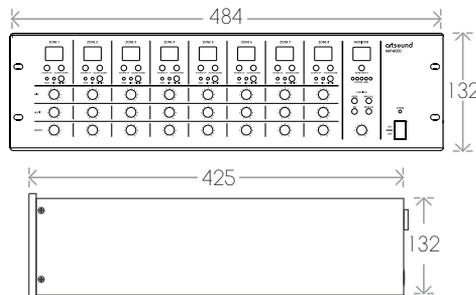
## 8-ZONE MATRIX

High-performance 8-time matrix guarantees the ultimate in flexibility. The name says it all: you can distribute different sources to a maximum of 8 zones simultaneously. You can also add sources locally, control the volume, etc...



A versatile sports complex requires flexible solutions, such as a microphone on the sports floor, which operates as a local source. Flexibility is the watchword of the MAT-8000 matrix.

frequency range	MIC 80Hz - 18kHz Line 20Hz - 20kHz
zones	8
direct output	70V / 100V / 4 - 16Ω
LED level indicator	yes
tone control	yes
output	8 x Phoenix
amp in	yes
pre-amp out	yes
MIC input	4 phoenix / 2 RJ45 / 1 XLR
AUX input	4 RCA
chime function	yes
priority levels	MIC 1 / EVAC / MIC-8000A
power supply	240V AC / 24V DC
power consumption	320W
dimensions (h x w x d)	132 x 484 x 425mm
weight	20.15kg
extra	extra monitor function /zone
accessories	microphone MIC-8000A / MIC-621A / MIC-511C control panel WP-8000B / WP-8000C





# pre-amplifiers

Control your power

Control your power and determine what you amplify. Pre-amplifiers allow you to select and control different sources and to control the volume. Naturally, they are used in combination with the necessary power amplifiers.



# PM-2501

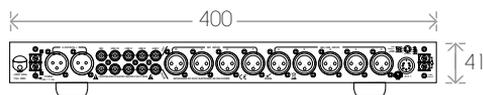
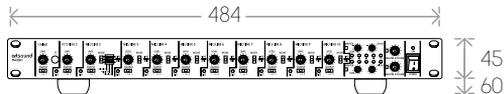
## STEREO PRE-AMPLIFIER 2 ZONES

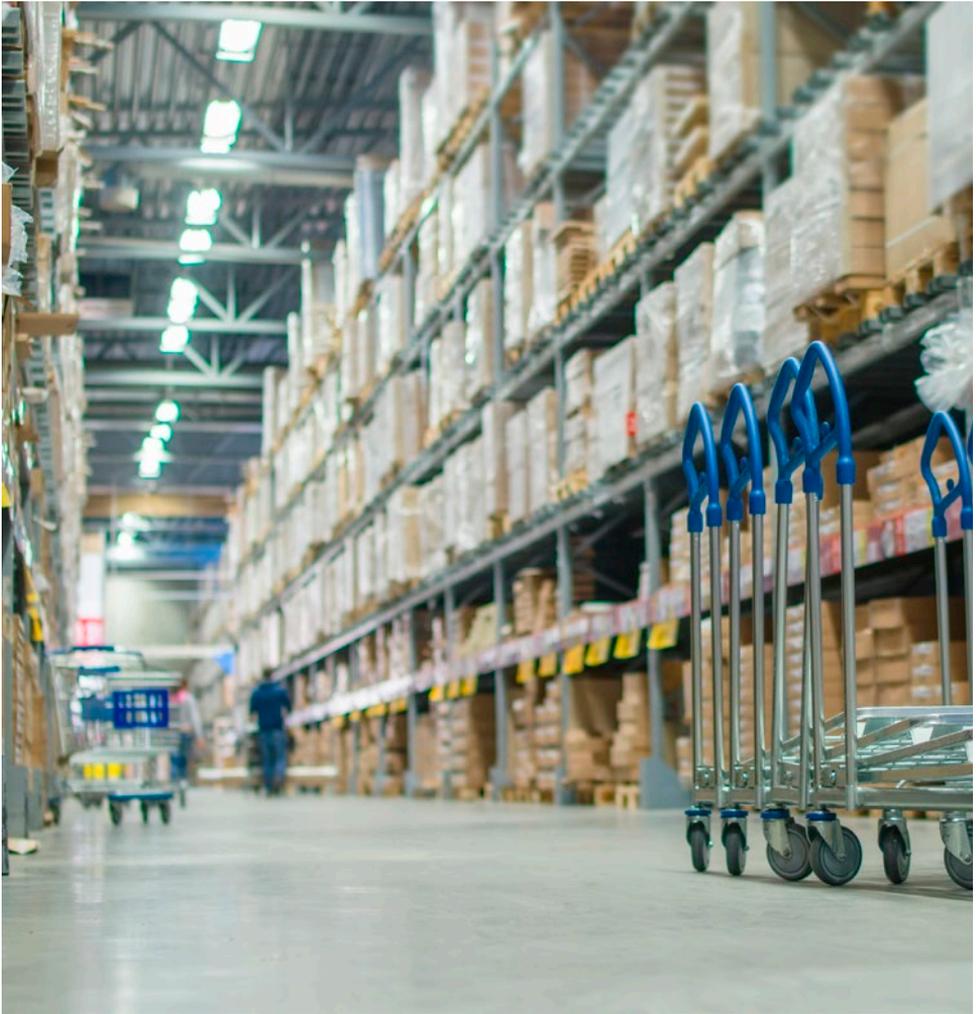
With the PM-2501, you now have a 10-channel preamplifier whose signals can be transmitted to two zones. Each channel has its own individual volume control and is ideal for connecting up a microphone or other sources. You have a choice between XLR connections (9), MIC/LINE (5), RCA (4) and REC OUT (1).



It is quite a complex process to regulate control in this central concourse. The PM-2501 provides the manageable solution!

zones	2
direct output	yes (REC)
LED level indicator	yes - per zone
tone control	yes - per zone
output	2 x XLR
amp in	-
pre-amp out	-
MIC input	2 - 6 XLR
	7 - 10 XLR / RCA
AUX input	-
tape input	-
chime function	yes (2/4-tone)
priority levels	MIC 2 / 4 VOX
protection	-
cooling	-
power supply	AC 230V / 50Hz - DC 24V
power consumption	13W
dimensions (h x w x d)	484 x 295 x 44mm
weight	3.9kg
extra	-
accessories	MIC-511C / MIC-621A





# power

Pronounced, but controlled

As efficient as they are indispensable for anyone working on a project people expect more from. From small to large, the keyword is power.



# PR-1240

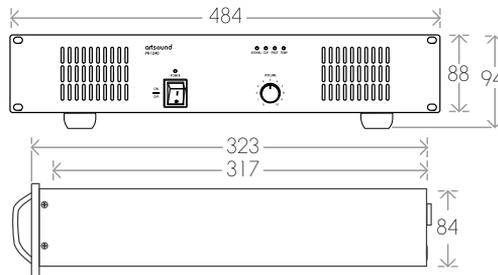
## 1-CHANNEL 100V POWER AMPLIFIER

This power amplifier was designed for general commercial and industrial use. 1 x 240W output capacity, adjustable by means of a knob on the front. It can also be used, for example, to expand a four-channel amplifier to 5 or 6 channels.



A bar or pub is just what we need to get us into the right mood! Why not add a bit of extra power to help things along?

output capacity 100V	1 x 240W
output capacity RMS 8Ω	monitor
frequency range	50Hz - 16kHz
zones	1
direct output	70V / 100V / 4 - 16Ω
LED level indicator	yes
output (link)	XLR / jack
amp in	XLR / jack
safety	over-voltage and power surges
cooling	automatic ventilator / thermal sensor
power supply	240V AC
power consumption	400W
dimensions (h x w x d)	88 x 484 x 358mm - 2 RS
weight	13.2kg





output capacity 100V	4 x 240W
output capacity RMS 8Ω	monitor
frequency range	50Hz - 16kHz
zones	4
direct output	70V / 100V / 4Ω
LED level indicator	yes
safety	over-voltage and power surges
cooling	automatic ventilator / thermal sensor
power supply	240V AC
power consumption	1500W
dimensions (h x w x d)	132 x 484 x 353mm
weight	30.9kg

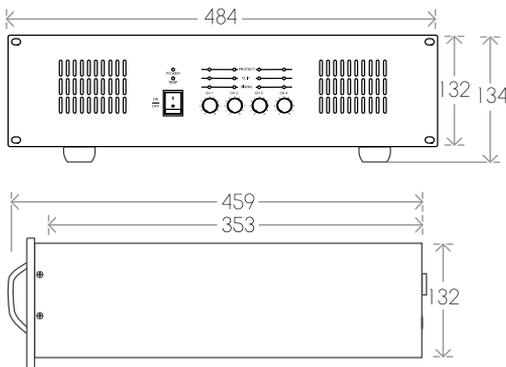
# PR-4240

## 4-CHANNEL 100V POWER AMPLIFIER

This power amplifier will supply plenty of power to your zones, enabling you to supply a maximum of four zones with 240W. You can control the amplification separately for each zone or channel using the knob at the front.



Here is a zone that needs quite a bit of power. With the pre-amplifier, the PR-4240 provides the perfect pair.





# PR-4120

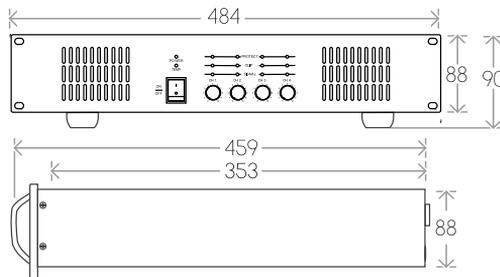
## 4-CHANNEL 100V POWER AMPLIFIER

This power amplifier is the smaller version of the PR-4240. It will supply plenty of power to your zones, enabling you to supply a maximum of four zones with 120W. You can control the amplification separately for each zone or channel.



A bank has its own zones too: a reception area, meeting rooms, etc. 4 x 120W is more than sufficient to provide music, as well as a PA system, in each of the zones.

output capacity 100V	4 x 120W
output capacity RMS 8Ω	monitor
frequency range	50Hz - 16kHz
zones	4
direct output	70V / 100V / 4Ω
LED level indicator	yes
safety	over-voltage and power surges
cooling	automatic ventilator / thermal sensor
power supply	240V AC
power consumption	720W
dimensions (h x w x d)	88 x 484 x 353mm
weight	22kg





## SOURCES

CD or DVD player, radio, iPod, there is plenty of choice. A source in itself does not produce sound, but an amplifier without a source is like a car without wheels. Nowadays, there are different forms: analogue (radio) and digital (playlist) sources. Before you know it, you can end up with a mishmash of different units. ArtSound has the answer to all this. We integrate everything! With the 19" system it's possible to save on space and do away with a confusion of cables. What's more, you have a unit that satisfies all modern requirements. We call that Smart Solutions!



# SRC-2221

This SRC-2221 is a pure triathlete: it boasts a digital tuner, CD player and SD/USB reader in a single housing; three disciplines effortlessly controlled by the hand-held transmitter.

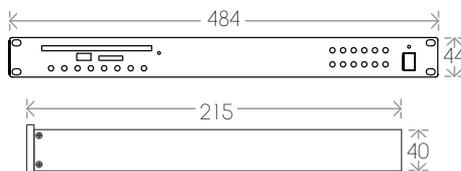


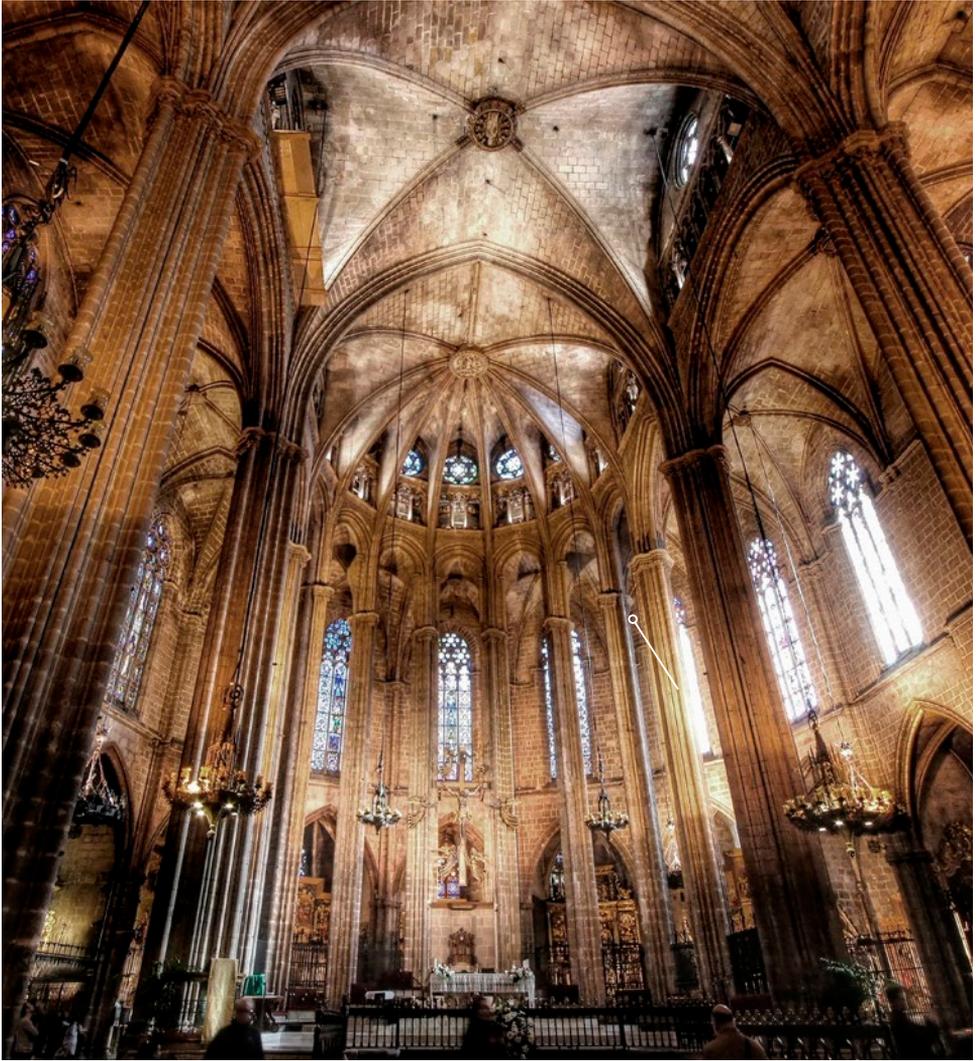
Once you sit down here, you won't want to get up again. With the functional hand-held transmitter there's no longer any need to. What's more, at the flick of a switch you can change playlist and channel.

USB/SD adapter  
for playing MP3



frequency range	20Hz - 20kHz
direct output	2 x RCA
sources	AM/FM tuner - 99 presets / SD/USB input (MP3) / CD
power supply	240V AC
power consumption	200W
dimensions (b x h x d)	44 x 484 x 209mm
weight	3.7kg
extra	remote control / USB/SD adapter / FM/AM antenna





# control system

The control system is what provides comfort, it must be user-friendly and most of all, solution-oriented. You'll find built-in modules for local inputs for sports complexes, meeting rooms, etc., but also a simple volume control device you could keep in your desk, for example. A limited offering for a maximum area of application. Smart Solutions, remember.

# WP-8000B

Fancy tuning into a different station in the coffee area? Or would you rather we all listen to the same audio stream together? The WP-8000B (in combination with the MAT-8000) allows you to choose your personal source, the preferred volume and turn your own zone into a local source (for example, connecting up a microphone or smartphone). The LED panel has a discreet but direct way of telling you exactly what you are doing.



A little introspection ... The WP-8000B in our own ArtSound offices. Modern enjoyment guaranteed.



## TECHNICAL SPECIFICATIONS

communication speed	4800bps
communication distance	≤ 1km
input MIC	10mv
input AUX	335mv
signal/noise ratio	MIC ≥ 65dB BGM ≥ 75dB
total harmonic distortion	≤ 1% 1kHz
power supply	24V DC (via matrix till 50m)
dimensions (h x w x d)	86 x 135 x 33mm
dim. in-wall housing (h x w x d)	75 x 135 x 45mm
weight	153g
extra	metal in-wall housing



UTP cabling



metal in-wall housing included



# WP-8000C

The WP-8000C is the WP-8000B smaller version. It gives you feedback on the source you selected and lets you regulate the volume to your heart's desire.



## TECHNICAL SPECIFICATIONS



UTP cabling



metal in-wall housing included

communication speed	4800bps
communication distance	≤ 1km
input MIC	-
input AUX	-
signal/noise ratio	-
total harmonic distortion	-
power supply	24V DC (via matrix till 50m)
dimensions (h x w x d)	86 x 86 x 146mm
dim. in-wall housing (h x w x d)	75 x 75 x 45mm
weight	73g
extra	metal in-wall housing

The blue LED provides you information about the status. Nicely concealed under the aluminium cover.



Each of these volume controllers allows you to regulate the volume separately for each of the speakers located in different rooms (or zones). They are available in low impedance and in 100V versions, in Niko as well as BTicino models.

# volume controllers



**N-VOL100V-100**  
milk



**N-VOL100V-101**  
white



**TNW-VOL100V**  
BTicino Light



**N-VOL100V-122**  
anthracite



**N-VOL100V-121**  
sterling silver



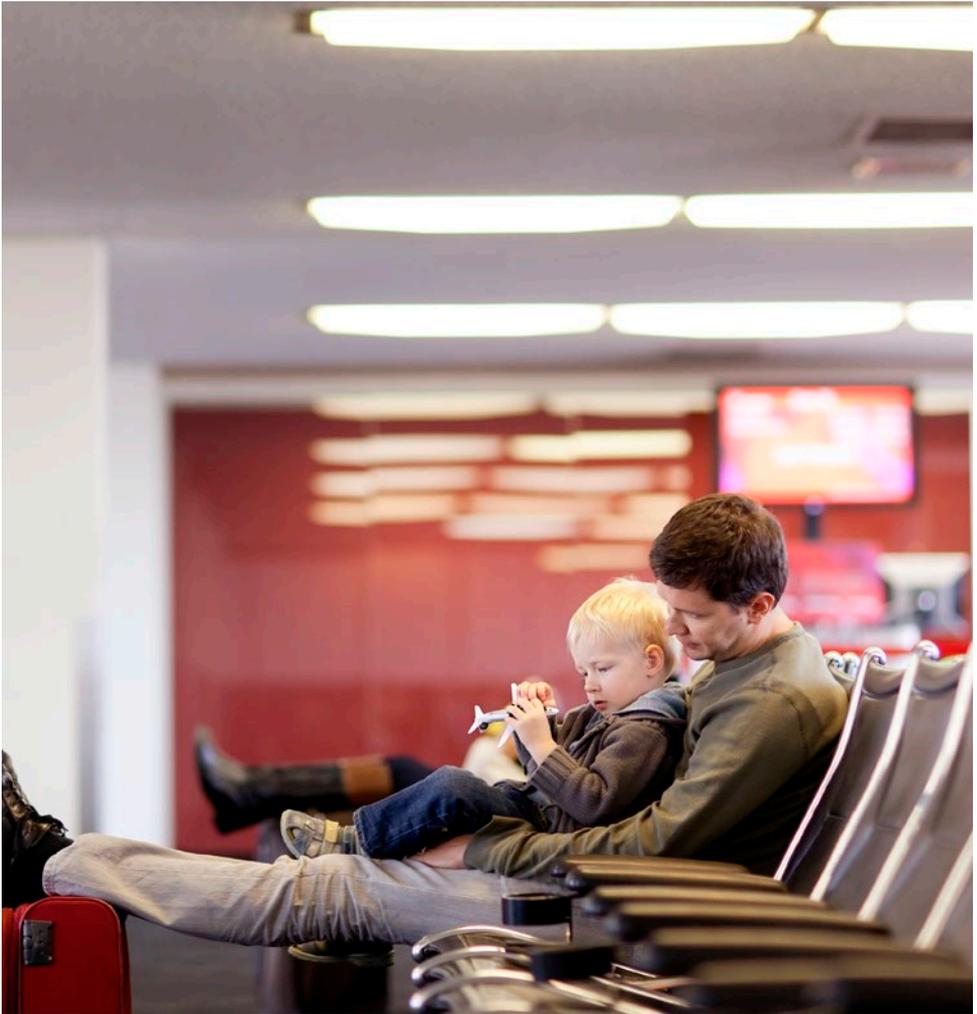
**TNS-VOL100V**  
BTicino Light tech

## niko

power	40W
colour	milk / white / anthracite sterling silver
dimensions (h x w x d)	75 x 75 x 75mm
int. dimensions (h x w x d)	45 x 45 x 50mm

## bticino®

power	50W
colour	white / silver-grey
dimensions (h x w x d)	503E



# tabletop microphones

Microphones are like football players: you have a specialist for every position. There are a number of different microphones which can be connected to most of our devices, each of which has its own strengths. A table microphone is a microphone with an inbuilt stand. They can be found in any conference room, control room, as well as somewhere like your local post office. Table models allow you to put a general call out, or make a selective one.

All Smart Solutions.

# MIC-318

This microphone (in combination with the MX-240S/MX-500S) allows you to put a call out in any zone you wish. Each of the buttons on your 'private' base has its own function. The attention signal helps catch everyone's notice. Pull the goose-neck towards you, adjust the volume and address every bystander. The LED light indicates that everything is okay.



Want to catch the attention of the member of staff in aisle 5? The MIC-318 does what's necessary.



## TECHNICAL SPECIFICATIONS

type	condenser microphone
polar pattern	unidirectional
frequency response	20 - 20000Hz, +/- 3dB
impedance	+4dB (gain) / 600Ω, BAL
sensitivity	- 50dB
volume control	chime + microphone
power supply	24V DC via D-Sub-connector
dimensions (h x w x d)	55 x 200 x 120mm
weight	0.96kg
extra	power adapter D-15 connector
combination	MX-240S / MX-500S / PM-2S01



# MIC-8000A

This microphone (in combination with the MAT-8000) allows you to put a call out in any zone you wish. Each of the buttons on your 'private' base has its own function. The attention signal helps catch everyone's notice (gong switch 2 to 4 tones). Pull the goose-neck towards you, adjust the volume and address every bystander. The LED light indicates that everything is okay. The MIC-8000A can be linked to the MAT-8000 with a cat 5 cable.



## TECHNICAL SPECIFICATIONS

type	condenser microphone
polar pattern	unidirectional
frequency response	50 - 18000Hz, +/- 2dB
impedance	600Ω
sensitivity	- 75dB
volume control	chime + microphone
power supply	24V DC
dimensions (h x w x d)	58 x 180 x 145mm
weight	2.5kg
extra	power adapter
combination	MAT-8000

A call just intended for the board meeting? Not a problem with the MIC-8000A: discreet, but direct.

# MIC-621A

The MIC-621A is our allround mic. You can connect it up to different types of amplifier. What's more, it's extremely easy to operate and also includes an emergency battery. Just switch it on, press the button, say what you have to say and finish. Simple and straightforward.



A debate in this conference room (full of novices) requires an easy-to-use microphone. Even non-specialists can use this one.



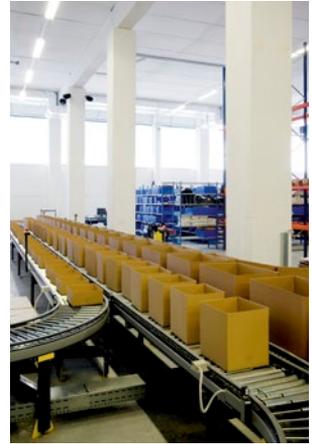
## TECHNICAL SPECIFICATIONS

type	condenser microphone
polar pattern	cardioid
frequency response	50 - 12000Hz
impedance	600Ω
sensitivity	- 63dB
volume control	-
power supply	9V DC / 12V AC
dimensions (h x w x d)	45 x 125 x 150mm
weight	1.3kg
extra	XLR cable (6m) back-up battery
combination	MX-120T / MX-240S / MX-500S / PM-2S01 MAT-8000



## MIC-511C

The MIC-511C is a table microphone with lots of sensitivity. Cardioid directivity elements ensure that sound reproduction is perfect. This microphone is powered by a 48V phantom power.



The MIC-511C filters out background noise. As a result, you can hear everything that's being announced.

### TECHNICAL SPECIFICATIONS

type	condenser microphone
polar pattern	cardioid
frequency response	60 - 15000Hz
impedance	200Ω
sensitivity	- 47dB, +/- 3dB
volume control	-
power supply	11 - 52V
dimensions (h x w x d)	38 x 90 x 143mm
weight	1.5kg
extra	XLR cable (10m)
combination	MX-240S / MX-500S / MAT-8000

# So, what microphone do I need?



**Microphones don't just need your voice, they must have a power supply too. In addition, not every microphone can be used for every situation. We suggest you read the answers to the following questions carefully before buying one:**

1. What's the microphone for? An announcement, singing, an alarm, a speech, etc?
2. What power supply should I use? Via a cable or should it be wireless?
3. If it's a microphone for a PA system, do my announcements need to be selective or general?
4. If there's an amplifier already available, how do I connect it up? Cat cables, XLR, phantom supply, etc?
5. Where is the microphone being used?
6. Are there other microphones close by?

## **What is phantom power?**

Phantom power is a way of providing both a signal and power using the same wiring. Phantom power is used widely, for example, in recording studios where - because of their excellent sound quality - condenser microphones are used which need direct current to function. Voltage is usually 48V.



# hand and wireless models

## free of speech

Wireless microphones have the advantage of being exceptionally mobile and compatible with different amplifiers. There are hand-held models or lapel microphones for giving your presentation the professional look.

# WMS-10

Wireless microphone with receiver. The WMS-10 comes as an all-in package. The wireless microphone with built-in receiver (no WBP-20 necessary) transmits your voice to the receiver, which in turn is connected to the amplifier. Two in one!



Mobile, so no cables. The WMS-10 package gives you all the options.



## TECHNICAL SPECIFICATIONS

	1 receiver	2 hand-held microphone
type	receiver	hand-held microphone
polar pattern	-	unidirectional dynamic
UHF frequency	UHF wave-band 863 - 865MHz	
oscillator	PLL synthesized, switching diversity	PLL synthesized 16 channel selectable
frequency response	80Hz to 15kHz - ± 3dB	
sensitivity	@ 5µV S/N ratio > 80dB	
audio output	balanced & unbalanced	
signal-to-noise ratio	94dB, @ 20kHz deviation & 60mV antenna input	
volume control		
power	DC 12V ~ 18V	DC 3V (2 x 1,5V AA size) DC 2.4V (2 x 1,2V AA size) rechargeable
power consumption	130mA +/-10mA	
dimensions	30 x 170 x 120mm (h x w x d)	55 x 250mm (Ø x h)
weight	235gr	220gr
option	RP-WMIC" 19" adapter	



## WBS-20

Wireless clip-on microphone with transmitter and receiver. The WMS-20 comes as an all-in package. The three components ensure a seamless, wireless presentation: the clip-on microphone can be attached to almost any item of clothing. The transmitter (WBP-20) sends an uninterrupted signal to the receiver (WR-10). Just attach the latter to your amplifier and you'll have the audience hanging on your every word.

### TECHNICAL SPECIFICATIONS

	① receiver	② multi-frequency pocket transmitter	③ clip-on microphone
polar pattern	-		unidirectional
UHF frequency	UHF wave-band 863 - 865MHz	UHF wave-band: 863 - 865MHz	
oscillator	PLL synthesized, switching diversity	PLL synthesized, 16 channel selectable	
frequency stability		± 0,005 %	
frequency response	80Hz to 15kHz ± 3dB		50 - 18000Hz
sensitivity	@ 5µV S/N ratio > 80dB		
audio output	balanced & unbalanced		
signal-to-noise ratio	94dB, @ 20kHz deviation & 60mV antenna input		
power	DC 12V ~ 18V	DC 3V, 2 x 1,5V AA size alkaline batteries OR DC 2.4V, 2 x 1,2V AA size rechargeable batteries	
power consumption	130mA +/-10mA	120mA ±10mA @ 3V	
dimensions (Ø x d)	30 x 170 x 120mm (h x w x d)	100 x 65 x 25mm	-
weight		75gr	25gr
extra			3-pin mini XLR cable
option	RP-WMIC" 19" adapter		

# WBP-20

Every wireless microphone transmits a signal. However, a clip-on microphone, for instance, doesn't have a transmitter. The WBP-20 ensures a stable signal which is sent to the receiver (WR-10). It has a handy belt clip and a rechargeable battery.



Thanks to its compact dimensions, it can be clipped or concealed on any belt or simply dropped into a pocket.



## TECHNICAL SPECIFICATIONS

type	multi-frequency pocket transmitter
UHF frequency	UHF wave-band: 863 - 865MHz
oscillator	PLL synthesized, 16 channel selectable
frequency stability	$\pm 0,005\%$
maximum deviation	$\pm 20\text{kHz}$ with limiting compressor
tone signal	32,768kHz
consumption	120mA $\pm 10\text{mA}$ @ 3V
power	DC 3V (2 x 1,5V AA size alkaline batteries ) OR DC 2.4V (2 x 1,2V AA rechargeable batteries)
dimensions (h x w x d)	100 x 65 x 25mm
weight	75gr



## WHS-20

The wireless headset gives you all the freedom you need. Just attach it to your ear. Thanks to the optional WBP-20 (transmitter) the signal is sent to your amplifier via the receiver (WR-10). The condenser technology means it's a real allrounder.



The WHS-20 hasn't just been designed for call-centre staff. It'll also do the business in a warehouse.

### TECHNICAL SPECIFICATIONS

type	wireless hand-held microphone
mic type	condenser mic
connection	mini XLR
polar pattern	unidirectionnal
frequency response	50 - 16000Hz
impedance	-67dB +/-3dB
signal/noise ratio	> 60dB
power consumption	max. 0,5mA
power supply	1,5V (max. 10V)
weight	50gr

# WMIC-10

Nowadays everything is wireless! Microphones too. The WMIC-10 is an allround microphone, which can transmit the signal to 16 different channels thanks to the built-in transmitter.



Whether it's for a presentation in a school, a sports centre or a professional speech, the WMIC-10 will do the business for you.



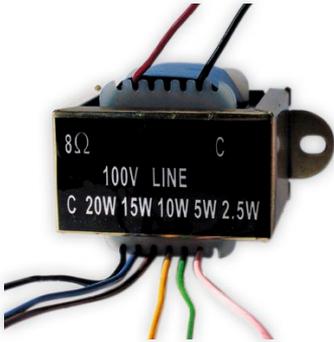
## TECHNICAL SPECIFICATIONS

type	hand-held microphone
polar pattern	unidirectional dynamic
oscillator	PLL synthesized 16 channel selectable
power	DC 3V (2 x 1.5V AA size) DC 2.4V (2 x 1.2V AA size) rechargeable
dimensions (Ø x h)	55 x 250mm
weight	220gr



# signal converters

In the various set-ups, it is sometimes necessary to convert a signal to another structure. This makes it possible to allow two devices to flawlessly communicate with each other, or to convert a low-ohm speaker to a 100V version.



## T20

With the T20, you can transform any low-ohm loudspeaker to a PA or 100V loudspeaker. The T20 is suitable for any dry environment, and allows you to choose your own power up to a maximum of 20W.

power	2.5 / 5 / 10 / 20W
sensitivity	8Ω
dim. (h x w)	45 x 75mm



## ET20

The ET 20 can transform your classic waterproof speaker to a 100V version. The housing is waterproof and frost-proof.

power	2.5 / 5 / 10 / 15 / 20W
sensitivity	8Ω
dim. (h x w x d)	72 x 152 x 72mm



## FGA-22

The FGA-22 converts your audio signal to a line signal, or vice versa (up to 20W RMS).

dim. mm (Ø x w)	45 x 75mm
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# project support

**Every situation demands a specific approach.  
In other words, no two situations are the same.**

Sometimes you need help figuring it all out, and [project@artsound.be](mailto:project@artsound.be) can help you do this. We'd be happy to provide you with customised assistance, **FREE OF CHARGE**, and with a view to an affordable solution. However, in order for us to do this properly, we need your input. This way, we know exactly what you need to complete your own project. We have put together a handy list for you that will go a long way to helping you (and us).

**[project@artsound.be](mailto:project@artsound.be)**  
**[www.artsound.be/en/support](http://www.artsound.be/en/support)**  
your personal coach!

# your project



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