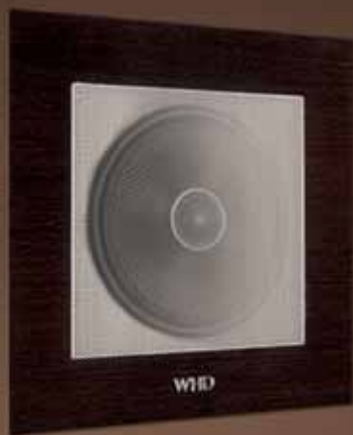


WHD



MUSIC IN MY EARS

INVENTIONS 2010



DAM 4000 Basic –

4 Audio sources for up to 8 Sound zones

WHD's Digital Audio Multi-room-system (DAM) combines brilliant sound with absolute user convenience. For limited user needs, the DAM 4000 Basic is a great alternative to the DAM 6000 V3. Enjoy various titles in up to 8 different sound zones coming from 4 sound sources which are centrally installed in your building. The DAM 4000 Basic comes with four integrated radios. It is possible to replace two radios with sound sources of your choice such as CD-player or music-server. There is a special feature: The DAM 4000 Basic's main device also works as an output device. Plug in your stereo-speakers or your hi-fi system via line-out and gain an additional sound zone.

Navigate your system through the easy-to-use control units DAM Basic IR in each room. The individual buttons – for volume, source, on/off and the main menu – are arranged logically and are self-explanatory. Each control unit has a wake-up function as well as a sleep-timer.

The display shows which sound source you currently use and features i. e. radio frequency or RDS-text of the radio channel. A mini-stereo jack as well

as an audio in-put located at the back of each control unit, allow you to connect two additional sound sources. If the control unit is not in use, the display indicates the time. The control units are so small that the audio control can be integrated and installed just like a common light switch. For flexibility and first class user convenience, you can navigate the whole system with the infrared remote control (DAM Basic RC). The control units have an integrated stereo-amplifier which allows a quick and easy installation: The speakers can be attached to each control unit in the respective room. For the wiring between the DAM Basic IR and the main device we use Cat5-wire. Depending on your needs, the wiring can be arranged in a star shape or from control unit to control unit.

With superior quality and a wide ranging selection, WHD meets exclusive expectations to sound and design. Our extensive product portfolio includes wall, ceiling and floor speakers in various dimensions and surfaces.

WHD MULTI-ROOM-SYSTEMS – FOR THE PERFECT MUSIC EXPERIENCE

Our build-in design-speaker M 240, which obtained the Innovation prize for Architecture and Technology, allows for a wide range of design options. A large selection of faceplates integrates the M 240 distinctively or conservatively in any room. The variation M 240 HQ features superior sound quality and picks up every music lover's ear. First-class hi-fi speakers for wall or ceiling installation make WHD's speaker line complete. Special requirements such as weather resistance are standard for WHD. Our product spectrum has a solution for every need.

The DAM 4000 Basic is a multi-room-system tailored for private use, doctor's offices, the hotel's spa area, offices, restaurants and shops.



TECHNICAL DETAILS

Audio input

Output

Integrated Radios

Input voltage

Dimensions (WxHxD)

DAM 4000 main component

2 Cinch stereo for line 1 and 2

4 RJ45 for a max. of 2 control units each

4

110-230V AC

430 x 85 x 284 mm

TECHNICAL DETAILS

Stereo input

Output

Functions

Dimensions (WxHxD)

DAM Basic IR

Mini-stereo jack on front,

Screw terminal on back (line-in)

2 speakers with at least 4 Ω

Source selection, volume, on/off, menu, alarm, sleep-timer, remote control

55 x 55 x 36 mm

DAM 6000 V3 – 10 audio sources for up to 254 sound zones

The digital audio multi-room-system. DAM 6000 V3 stands out through its unique and extensive configuration options: up to 10 audio sources are the base of music/speech output in up to 254 rooms (sound zones). Some of those 10 audio sources can be connected in a decentralized way. Now, we add a modern way to navigation the DAM 6000 V3 multi-room-system.

DAM 6000 Application for the iPhone*

Enjoy the convenience to navigate your whole audio system with the DAM App for the iPhone*: choose a room (sound zone) and an individual audio source for each room. With the help of the DAM 6000 application, your iPhone* turns into a universal remote control for the entire multi-room-system.



NAVIGATE THE MODERN WAY



Musicport MP 55 series – a reliable connecting point for portable music

This dock-in-station for portable music players such as iPhone* and iPod* is compatible with all common switches. Combined with speakers – i. e. the KEL 55 Music or the build-in design-speaker M 240 – the MP 55 series turns into a complete audio-system with hi-fi quality.

This year, the established MP 55 UP is accompanied by three new varieties. Together they form the MP 55 series. The specific characteristics of each MP 55 variation offers an ideal solution for each area of use. In combination with the WHD multi-room-system, a hi-fi system or active-speakers, a whole new world of configuration options for every need and expectation opens up. Now, all devices of the MP 55 series include a USB interface to charge portable music players and cell phones. Additional interfaces are: a dock connector, a mini-stereo jack socket and an audio-input at the back which is, like the MP 55 Radio, equipped with an integrated radio. A LED displays the currently used audio source. You can choose the audio source directly with the source button or conveniently with a remote control which is already included with the MP 55 Radio.

SOUND DIVERSITY IN THE SIZE OF A SWITCH



Musicport MP 55 Radio – always up-to-date

Dock-in-station and radio in one device: The MP 55 Radio brings music or the latest news directly in your hotel room, restaurant, doctor's office, office or your home. Search, choose and save your favorite radio channel via autoscan or by entering the frequency. Save your nine favorites to accommodate a wide variety of (music) tastes. An integrated antenna as well as the option to connect the device to a house antenna make sure of great reception.

Besides the radio function, the MP 55 Radio has two more audio inputs. Connect your iPhone* or iPod* through the dock; cell phones and music players can be linked through a mini-stereo jack. Choose the audio source via source button on the MP 55 Radio device or conveniently with the remote control which is within the scope of supply. Furthermore, the remote control navigates volume for all audio sources and radio functions as well as play, stop, skip, repeat, shuffle, playlist for iPhone* and iPod*.



Musicport MP 55 LI – Your Manager for three audio sources

The Musicport MP 55 LI has three interfaces for different audio sources: a dock connector for iPhone* and iPod*, a line-in on the back for hotel TVs, CD player or radio and a mini-stereo jack socket located on the front to connect all common cell phones and music players. Choose the audio source through the source button on the MP 55 LI. Alternatively, you can obtain a separately sold remote control which conveniently regulates other functions such as volume for all audio sources, play, stop, repeat, shuffle, playlist for iPhone* and iPod*.

Musicport MP 55 Wireless – Music is in the air

Functions and use are equivalent to the MP 55 LI. On top of that, the MP 55 Wireless sends audio-signals to active-speakers with respective radio-receiver. This solution is ideal in all situations when wiring between the MP 55 and the speakers is a challenge i. e. difficult architectural conditions, you want to add to an existing system or if you live in a rented apartment.

TECHNICAL DETAILS MP 55 Radio

| | |
|---------------------------|--|
| Interfaces | Dock connector, mini-stereo jack, USB (charging function), 75 Ω Coax (antenna), line-out, speaker stereo |
| Radio | with manual channel selection, autoscans and 9 channel memory |
| Functions | Choice of audio source, volume, on/off, remote control (within the scope of supply) |
| Dimensions (WxHxD) | 55 x 55 x 36 mm |
| Colors | shiny pure white, shiny black |

TECHNICAL DETAILS MP 55 LI / MP 55 Wireless

| | |
|---------------------------|---|
| Interfaces | Dock connector, mini-stereo jack, line-in screw terminal (on back, mono), USB (charging function) |
| Functions | Choice of audio source, volume, on/off, option for remote control |
| Dimensions (WxHxD) | 55 x 55 x 36 mm |
| Colors | shiny pure white, shiny black |

MP 55 Wireless

Transmission frequency 2.4 GHz, switchable via DIP-switch

Dimensions (WxHxD) 55 x 55 x 41 mm

KEL 55 Music – the whole array of sound bundled up

Hi-fi quality for a speaker which is compatible with all common switches: this asks for WHD's superior technology and innovative know-how. The result: terrific sound quality in miniature format. Create the smallest hi-fi system for integration with all common switches by combining the KEL 55 Music with the MP 55.

TECHNICAL DETAILS

Load rating

KEL 55 Music

3 W

Impedance

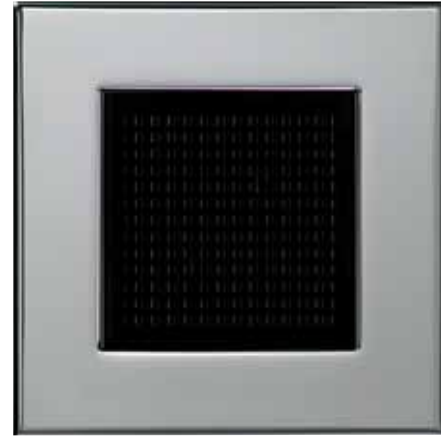
4 Ω

Dimensions (WxHxD)

55 x 55 x 38 mm

Colors

shiny pure white, shiny black



SOUND DIVERSITY IN THE SIZE OF A SWITCH



INCREDIBLE SOUND QUALITY

JACKPORT

The WHD JACKPORT is a real globetrotter which works with any power outlet around the world and therefore becomes a great reproduction device for your iPhones*, iPods*, music players or cell phones. The 2-way-system with subwoofer and integrated speakers for the middle and high sound frequency provides brilliant music experience – space filling and everywhere. Behind the puristic design hides a luxurious sound expert. On the go or at home from room to room, the JACKPORT provides a wide sound spectrum in proven WHD quality.

As the JACKPORT is on familiar terms with any power outlet, it is easy to place and stops the regular cable tangle. The hi-fi system in plug-in format is about the size of an electric razor. Therefore fits in any purse or briefcase. The optional remote control gives you the convenience to navigate the JACKPORT from your couch, the hotel bed or the bath tub like you would control a stereo. The JACKPORT is a speaker system and at the same time a charge station for your iPhone*, iPod*, cell phone or music player.

JACKPORT Wireless

More than likely the smallest hi-fi system of the world – and it goes wireless! The dock station with 2-way-speakers for your power-outlet allows for independent entertainment and an excellent acoustic spectrum – in hi-fi quality. The JACKPORT variation with a 2.4 GHz transmitter is on the same page with WHD's wireless active-speaker Mini 4 Wireless. Unlimited fun for all those who want to enjoy their music library without ear plugs and cable tangle.

TECHNICAL DETAILS

Interfaces

JACKPORT / JACKPORT Wireless

Dock connector, AUX (line-in),
USB (charging function)

Speakers

2 tweeters, 1 subwoofer

Functions

Volume, source

Dimensions (WxHxD)

80 x 120 x 54 mm

Colors

shiny pure white, shiny black, silver, pink,
purple, green

Accessories

design bag, remote control, adaptors for
foreign countries

Transmission frequency

2.4 GHz (wireless)

THE BENEFIT FOR YOUR EARS GOES WIRELESS



The WHD SOUNDPAD

Our latest development proves that WHD is not only ahead of times in matter of sound quality. We present an elegant dock-in-station for the Apple* iPad* and rotating wall-holder with 2-way speaker system: the WHD SOUNDPAD – a stereo system with integrated subwoofer which is only 8 cm (3.12") deep.



A PERFECT SYMBIOSIS OF DESIGN AND SOUND



Bluetooth-Receiver BTR 001 for JACKPORT and MP 55

For all those who administer their music data with a bluetooth compatible device, the Bluetooth Receiver makes for additional comfort and music fun. Via radio transmission, the Bluetooth Receiver receives music data from iPhone*, iPod* or from your computer. This way your iPhone* and iPod* are always with you. The transfer from your computer works absolute without additional space requirements or wires. Simply plug the Bluetooth Receiver into the JACKPORT's or MP 55's dock. All navigation features work just the way you are used to directly on the device that sends the music data.

TECHNICAL DETAILS

Compatible with

Transmission frequency

Operating range

Dimensions (WxHxD)

Weight

Color

BTR 001

Dock Connector

Bluetooth 2.1 + EDR, A2DP & AVRCP

10 m

36 x 32.5 x 6 mm

6.5 g

Shiny black

PLEASE YOUR EARS – WIRELESS



Mini 4 Wireless

External parameters and room set up differ in every building and require unique solutions. The compact hi-fi active-speaker in 2-way technology with bass reflex tube and 2.4 GHz receiver is at your service everywhere where wires are not an option. The Mini 4's sound is characterized through its balance and pleases even sophisticated ears.

TECHNICAL DETAILS

Mini 4 Wireless

| | |
|-------------------------------|---|
| Amplifier performance | 10 W |
| Supply voltage | Wall plug transformer (within the scope of supply) |
| Transmission frequency | 2.4 GHz |
| Transmission | digital, uncompressed in CD-quality |
| Operating range | 80 - 120 m in an open field |
| Dimensions (WxHxD) | 150 x 220 x 167 mm |
| Material | Body: plastic, Perforated metal plate: metal |
| Colors | white, black, silver |
| Variations | 8 Ω , 100V/30W, all-weather version for outside |

PLEASE YOUR EARS – WIRELESS



Wireless Receiver WR 2.4 and Wireless Transmitter WT 2.4

Transmission of audio signals via radio – the ideal solution for wireless music fun! Through the mini-stereo jack, you can connect audio source and active-speaker or amplifier with the senders and receivers which communicate at 2.4 GHz. This option is a great choice in rooms where wiring is a challenge.

TECHNICAL DETAILS

Wireless Receiver WR 2.4

Wireless Transmitter WT 2.4

| | |
|-------------------------------|---|
| Interface | Mini-stereo jack |
| Supply voltage | Wall plug transformer (within the scope of supply) |
| Transmission frequency | 2.4 GHz, switchable via DIP-switch |
| Transmission | digital, uncompressed in CD-Quality |
| Operating range | 80 - 120 m in an open field |
| Dimensions (WxHxD) | 50 x 22 x 72 mm |
| Colors | black |



Amplifiers and accessories continuous and professional operation

With the new mixing amplifiers AMP 120/100 V and AMP 550/100 V, you can make your house sound professionally and continuously. These amplifiers are the right choice for any place where someone listens to music all day – in private or public.

AMP 120/100 V – Amplifier for 4 microphones and 2 audio sources

The AMP 120/100 V amplifies 4 microphones and 2 audio sources. There is a separate volume control for each microphone. The audio output is compatible with either 8 Ω or 100 V speakers.

TECHNICAL DETAILS AMP 120/100 V

| | |
|---------------------------|---|
| Audio input | 4 microphones, 2 line-in (CD/AUX) |
| Audio output | speaker mono: either 100 V or 8 Ω , preamplifier output |
| Rated Power | 120 W |
| Supply voltage | 230 V AC / 50 Hz or 24 V DC |
| Dimensions (WxHxD) | 425 x 96 x 305 mm |
| Color | black |

AMPLIFIERS AND ACCESSORIES FOR CONTINUOUS AND PROFESSIONAL OPERATION



AMP 550/100 V – Amplifier for up to 2 microphones and up to 6 audio sources in 5 sound zones

The AMP 550/100 V accommodates independent sounds in up to 5 sound zones. Adjust the music to the situation in each sound zone and also adjust volume and sound features for each zone separately. 2 microphones allow you to make announcements in all sound zones at the same time or in selected sound zones only. The AMP 550/100 V performs at 5 x 50 W. This device is compatible with 70 V, 100 V and 8 Ω speakers.

TECHNICAL DETAILS

| | |
|---------------------------|---|
| Audio input | MIC 1, MIC 2/AUX 1, AUX 2, AUX 3, AUX 4, AUX 5, AUX 6 |
| Audio output | 5, either 70 V, 100 V or 8 Ω |
| Rated Power | 5 x 50 W |
| Supply voltage | 115 V AC / 230 V AC |
| Dimensions (WxHxD) | 425 x 96 x 345 mm |
| Weight | 15 kg |
| Color | black |



CT 100 Music data Management in 19" format

WHD provides you with complete package for audio systems for a wider range of user needs. We supply audio sources and music reproduction and do not stop with comfortable operating solutions. We complete our ample product line with an audio source which can be installed into 19"-Technology-Cabinets.

The CT 100 unites tuner, USB-player and CD-player with mp3 data recognition in one device. As an universal audio source, it is a great partner for the multi-room-systems DAM 6000 V3, DAM 4000 Basic and KNX-Audio as well as the amplifiers AMP 120/100 V and AMP 550/100 V.



Microphone MIC 100 – crystal clear announcements which everyone can understand

The MIC 100 makes a fantastic team with the amplifiers AMP 120/100 V and AMP 550/100 V. This system allows you to make one general announcement audible for every sound zone or specific announcements which can be heard in selected sound zones only.



AMPLIFIERS AND ACCESSORIES FOR CONTINUOUS AND PROFESSIONAL OPERATION



RC HLS 51 UP – Remote control for fixed installation

The first remote control which you won't search for! The fix installed RC HLS 51 UP stays at its designated spot. A perfect solution for hotels, restaurants and office buildings with lots of "traffic". The dimensions of 50 x 50 mm (2" x 2"), the RC HLS 51 UP fits into all common switch lines and therefore integrates perfectly in its surrounding.

In combination with the HLS 51 Radio and the HLS 51 speakers, the RC HLS 51 UP makes for a smooth integration of innovative technology and first class sound into every room. Rooms with suspended ceilings obtain with these three components an "invisible" and fixed installed radio with superior sound characteristics. Through a lamp opening, the HLS Radio is pushed over top of a panel of a suspended ceiling. The HLS 51 are so compact that they can be installed into spotlight rings of 51 mm (2") diameter. Navigation works via RC HLS 51 UP or a WHD remote control.

BE WELL SERVED – ON THE SPOT!

WHD

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