asano | basalte

Imagine, a sound system that fills every room with crystal clear music & offers unequalled performance, flexibility & simplicity.

Crafted with love, built to last...

asano

every room,
          your music

Asano is a networked multiroom audio system that allows you to freely locate your sources and amplifiers anywhere in the house. It's ideal for homes of all sizes, as well as restaurants, sports bars and hotels.

Asano transports uncompressed crystal clear audio from any source to any room over a dedicated Ethernet network. By doing so, the system offers an unseen flexibility and expandability.

With Asano, a virtually unlimited number of sources can be distributed to up to 60 rooms and even more.

Bang & Olufsen ICEpower Class D amplifiers power the Asano system with unequalled performance and efficiency. Now, you can enjoy your music the way it was intended to be.

With the internal advanced DSP, you can fine-tune your sound in every room just the way you want it, creating the ultimate listening experience.

Asano integrates perfectly in KNX systems, without any interface, creating a new level of simplicity, flexibility and ease of installation.

HIGH FIDELITY,
NETWORKED
AUDIO
CONTROLLED
WITH KNX,
FINALLY IN
ONE SYSTEM!

ASANO,
A TRULY DIGITALLY TRANSPARENT WAY TO DISTRIBUTE YOUR MUSIC FROM ANYWHERE TO EVERYWHERE.

Asano uses CobraNet to transport in real-time uncompressed 24 bit - 48kHz digital audio over a dedicated Ethernet network by use of a standard Ethernet switch.
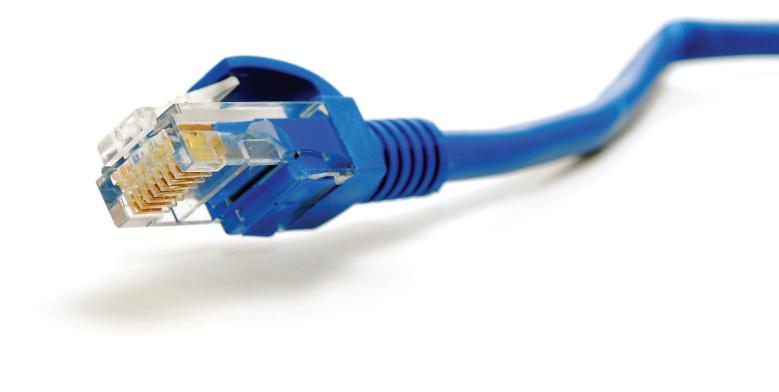
CobraNet is considered to be the biggest standard in professional audio systems and has been deployed in stadiums, convention centres, concert halls and even live touring shows.
It is a robust, reliable and high quality technology.

With CobraNet, any audio input can be dynamically routed to any amplifier, providing unparalleled flexibility and creating a decentralised music system.

A decentralised music system doesn't have a central master unit to which all the speakers and sources need to be connected.
Instead, sources and amplifiers can be freely located anywhere in the house. As a result, cable runs to speakers and sources are dramatically reduced.

With Ethernet transport, inexpensive CAT5e cabling can be used over long cable runs without any signal degradation or interference.

With CobraNet, all rooms playing the same music are perfectly synchronized.

ASANO,
A PERFECTLY
INTEGRATED
SOLUTION
FOR KNX
SYSTEMS.

Asano has been designed from ground up to be integrated in KNX systems. There is no control on the front panel neither is there a specific control keypad, the system is completely and only controlled by KNX in a way that is unprecedented.

This makes it possible to control the Asano system with any KNX control device like our Sentido keypad or the Deseo room controller.

With the integrated scene functionality, music zones can be set to specific sources at a specific volume by use of a scene command.

The override function allows immediate switching to a priority source like an alarm or an intercom message. After an override, the music zone gently returns to its previous state.

Automatic input signal sensing allows triggering KNX commands when a source starts playing. For example, when an input is connected to a network audio player like the Apple Airport Express, the amplifier starts playing when music is sent to the device. But also other commands, like a specific scene, can be started.

The integrated party mode allows for all selected rooms to play in perfect sync like one big system.

The integrated 5-band equalizer can be easily controlled with KNX commands allowing you to fine-tune the system in every room.

Every Asano device neatly integrates with ETS, the KNX programming tool. This allows for a uniform and easy setup and configuration of the system.

KNX®

ASANO

P1

zone amplifier

Asano P1 is a single zone networked stereo amplifier with 2 inputs for analogue sources.

A source connected to one of the inputs, immediately becomes a source for all the other zones of the Asano system.

All inputs have signal sensing to automatically switch on a zone or to trigger KNX events.

To deliver superior audio performance, Asano P1 is powered with 2x125W Bang & Olufsen ICEpower amplification.

Furthermore, Asano P1 offers the possibility to connect an active subwoofer.

Advanced DSP processing provides 5-band equalization with bass and treble control and the selection of up to 8 different EQ-presets.

Asano P1 can also be configured to be used as 2 completely independent mono zones for smaller areas as a dressing room or a bathroom.

P1 is completely configured and controlled with KNX. There is no need for any network configuration. Simply connect the amplifier to KNX and a standard Ethernet switch.

reddot award 2014
winner

product
design award

iF

2014

AC
230V
50Hz

speakers
L+ L- R- R+   R   R

                        L   L   trigger   CobraNet
             input 1   input 2   sub   out   KNX
                                          out   program   C E

basalte

ASANO

P4

4 zone amplifier

Asano P4 is a networked 4-zone stereo amplifier with 4 inputs for analogue sources.

A source connected to one of the inputs, immediately becomes a source for all the other zones of the Asano system.

All inputs have signal sensing to automatically switch on a zone or to trigger KNX events.

To deliver superior audio performance, all zone outputs are powered with 2x125W Bang & Olufsen ICEpower amplification.

Just in case that isn't enough, two zones can be bridged to produce astonishing 2x450W audiophile amplification.

Advanced DSP processing provides 5-band equalization with bass and treble control and the selection of up to 8 different EQ-presets for every zone or room.

P4 is completely configured and controlled with KNX. There is no need for any network configuration. Simply connect the amplifier to KNX and a standard Ethernet switch.

ASANO

A3

3 zone
output module

Asano A3 is a networked 3-zone stereo output module that allows you to connect up to 3 zones (1 digital S/PDIF and 2 analogue) of third party amplifiers or active speakers with the Asano system.

The two analogue zones are connected with RJ45, which can be converted to RCA connectors using the optional A3 Audio Splitter.

Every zone output has a separate trigger output to switch on and off the external amplifier or active speaker.

With A3, you can also connect two local sources (1 digital S/PDIF and 1 analogue).

A source connected to one of the inputs, immediately becomes a source for all the other zones of the Asano system.

Both inputs have signal sensing to automatically switch on a zone or to trigger KNX events.

Advanced DSP processing provides 5-band equalization with bass and treble control and the selection of up to 8 different EQ-presets for every zone or room.

A3 is completely configured and controlled with KNX. There is no need for any network configuration. Simply connect the module to KNX and a standard Ethernet switch.

A3 Audio Splitter

AC 230V 50Hz

L

R

input 1

input 2

KNX

CobraNet

trigger
out 1

CE

program

output 1

output 2 & 3

ASANO
N1

input module

Asano N1 is a network node to connect any source to the Asano system.

One single source can be connected to the analogue or digital (optical or coaxial) input.

With USB, you can connect Asano N1 to a PC. By doing so, the PC becomes a source for the audio system and has a full digital path all the way up to the amplifier.

Two rotary dials configure the source number, easy and simple.

Power for the module can be supplied with a separate power supply or by Power over Ethernet (PoE).

BO.sensor

BO.sensor integrates Bang & Olufsen infrared remote controls with KNX systems and allows controlling KNX lights, screens and scenes with the Beo 4 and Beo 6 remotes.

BO.sensor supports all AV controls like TV, RADIO and DVD, allowing you to control the complete Asano system.

In combination with B.link, powerful macros can be started by a single button press.

The BO.sensor module sits behind the original Bang & Olufsen infrared sensor powering it directly from the KNX bus without any additional power supply (Bang & Olufsen infrared sensor not included).

Beo 4

MMS.link

MMS.link is a DIN rail module that integrates the third party Mirage Media Server (MMS) with the Asano system.

The MMS server is a cloud based music server with 1TB internal storage that provides up to 5 streams of audio. It synchronises automatically with your iTunes library, provides internet radio streams and is compatible with Apple AirPlay.

The MMS server has 4 analogue outputs and 1 digital output and can be perfectly paired with the Asano P4 amplifier using the 4 analogue inputs, leaving 1 digital output for the home entertainment system.

MMS.link allows you to have 2-way control of the MMS-server with KNX, creating a fully integrated music system. It becomes also possible to control the complete Asano system with the MMS iPad app.

MMS.link has two LAN ports with integrated switch for daisy chaining.

Mirage Media Server

B.link

B.link is a DIN rail module that integrates Infrared and Serial RS232 IP-modules with KNX.

With B.link it becomes possible to control any IR or Serial RS232 device with KNX. CD players, tuners or digital set top boxes, all become part of the Asano system.

B.link can be combined with up to 16 IP modules that can be located anywhere in the house.
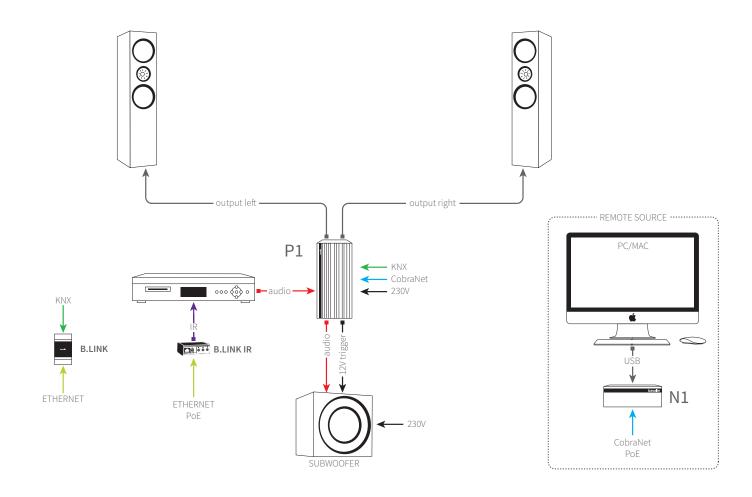
As a bonus, up to 3 surround receivers can be integrated directly over IP. With the B.link, source selection and volume control with full feedback can be controlled with KNX commands. B.link supports receivers from Pioneer, Marantz and Denon.
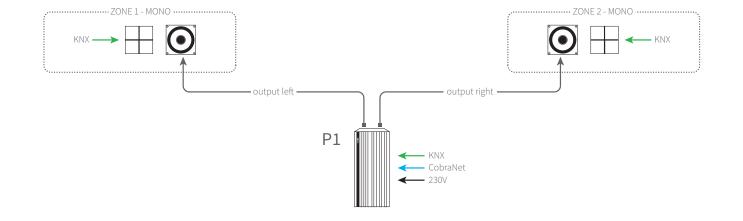
B.link comes with a configuration tool that allows you to create macros that include sending out KNX-commands in combination with IR and serial commands and allowing you to create powerful welcome and good-bye scenarios.
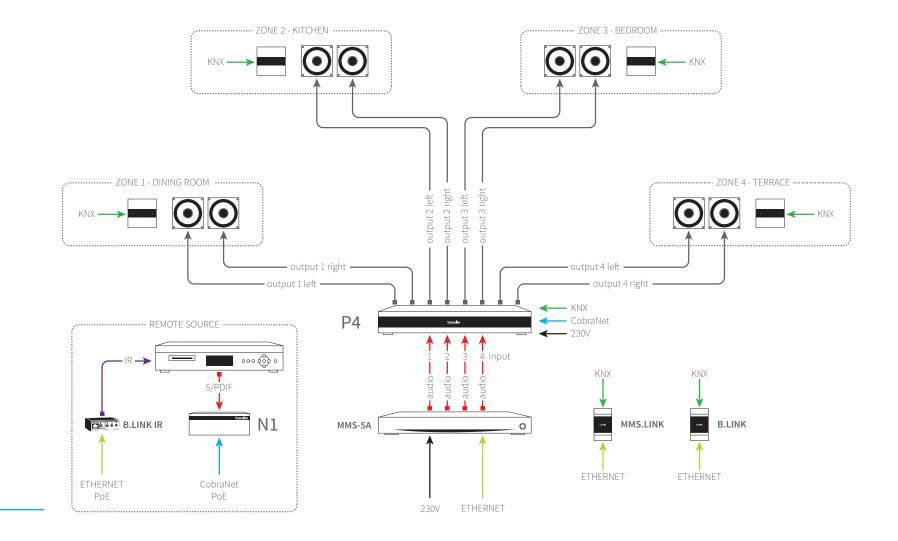
B.link has two LAN ports with integrated switch for daisy chaining.

Pioneer SC-LX57

B.link IR

B.link Serial

output left

output right

P1

KNX
CobraNet
230V

audio

REMOTE SOURCE

PC/MAC

KNX

B.LINK

IR

B.LINK IR

USB

N1

ETHERNET

ETHERNET
PoE

audio

12V trigger

SUBWOOFER

230V

CobraNet
PoE

ZONE 1 - MONO

KNX →

output left

ZONE 2 - MONO

← KNX

output right

P1

← KNX
← CobraNet
← 230V

P1 in a 2 zone
mono configuration
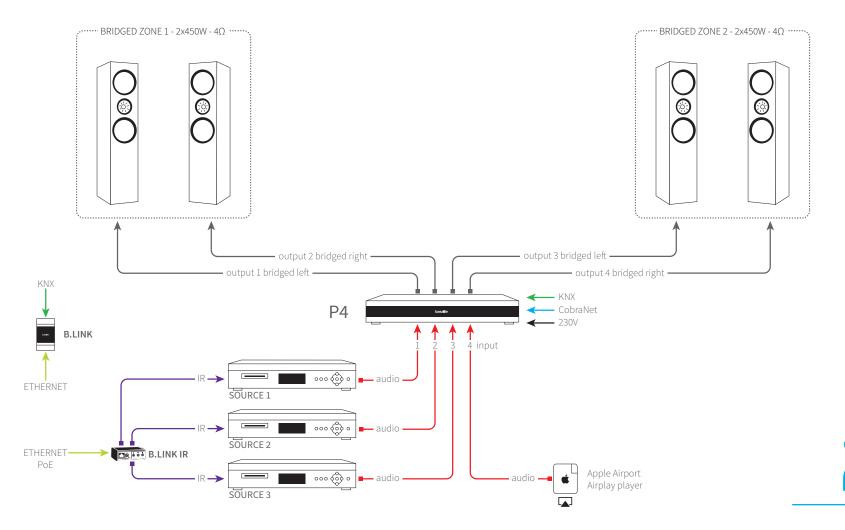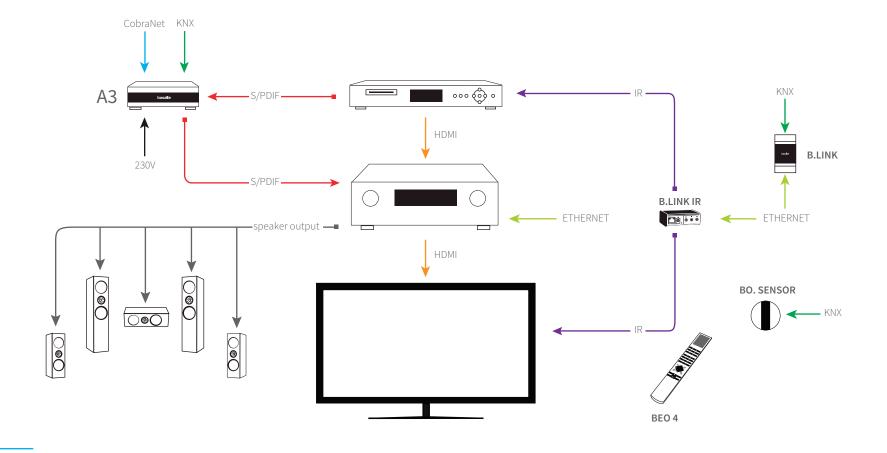
P4 in a 4 zone stereo configuration

ZONE 2 - KITCHEN

KNX →

ZONE 3 - BEDROOM

← KNX

ZONE 1 - DINING ROOM

KNX →

output 2 left
output 2 right
output 3 left
output 3 right

ZONE 4 - TERRACE

← KNX

output 1 right

output 1 left

output 4 left

output 4 right

P4

→ KNX
→ CobraNet
→ 230V

REMOTE SOURCE

IR

S/PDIF

B.LINK IR

N1

1 2 3 4 input

audio audio audio audio

MMS-5A

KNX

KNX

MMS.LINK

B.LINK

ETHERNET
PoE

CobraNet
PoE

230V

ETHERNET

ETHERNET

ETHERNET

BRIDGED ZONE 1 - 2x450W - 4Ω

BRIDGED ZONE 2 - 2x450W - 4Ω

output 2 bridged right

output 3 bridged left

output 1 bridged left

output 4 bridged right

P4

KNX

CobraNet

230V

1   2   3   4 input

KNX

B.LINK

ETHERNET

IR   SOURCE 1   audio

IR   SOURCE 2   audio

ETHERNET
PoE

B.LINK IR

IR   SOURCE 3   audio

audio   Apple Airport
Airplay player

P4 in a 2 zone
bridged configuration

CobraNet   KNX

A3

230V

S/PDIF

S/PDIF

HDMI

speaker output

ETHERNET

HDMI

IR

IR

KNX

B.LINK

B.LINK IR

ETHERNET

BO. SENSOR

KNX

BEO 4

Beolab 18

KNX

Beolab 11

230V →

230V →

230V →

POWERLINK over CAT6

POWERLINK over CAT6
(separate DSP configuration)

output 2

output 3

A3

BO. SENSOR

KNX

230V →

basalte

BEO 6

CobraNet   KNX

technical specifications

	P1	P4	A3	N1
Total number of sources	2	4	2	1
Analog input	2	4	1	1
S/PDIF coaxial input - 2 ch PCM	-	-	1	1
S/PDIF Toslink optical input - 2 ch PCM	-	-	-	1
USB digital audio 2ch input	-	-	-	1
Resolution / sample frequency	24 bit 48 kHz	24 bit 48 kHz	24 bit 48 kHz	24 bit 48 kHz
Input signal sensing	yes	yes	yes	no
Total number of zones (stereo)	1	4	1 (S/PDIF)/2 (Analog)	-
Total number of zones (mono)	2	-	-	-
Total number of zones (bridged)	1 (mono)	2 (stereo)	-	-
Subwoofer analog output	1	-	2	-
Subwoofer trigger output	1	-	2	-
Party mode	yes	yes	yes	-
Override function	yes	yes	yes	-
Scene control	yes	yes	yes	-
Speaker output power at 4 Ohm - 1% THD+N	2 x 125W	8 x 125W	-	-
Bridged output power at 4 Ohm - 1% THD+N	1 x 450W	4 x 450W	-	-
Minimum load	3 Ohm	3 Ohm	-	-
Frequency response 20Hz - 20kHz	+/- 0,5dB	+/- 0,5dB	-	-
THD+N 1kHz, 1W	0,003%	0,003%	-	-
KNX	yes	yes	yes	no
Power	220V - 240V AC	220V - 240V AC	220V - 240V AC	12V DC - PoE
Dimensions (w x h x d) mm	300 x 55 x 140	430 x 66 x 265	215 x 40 x 160	188 x 30 x 105
Weight	2,3kg	6,2kg	1,0kg	0,6kg
Certification	CE	CE	CE	CE

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"Without deviation from the norm, progress is not possible."

Frank Zappa

every room,
      your music

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