



**KOMTECH**

Manufacture of Media Technology

2014

Made in Germany



## Skytower

### Award-winning quality

The Design variant of the Skytower was awarded with the prestigious **reddot** design award. The reserved to the Skytower Design plexiglas plate can be equipped in accordance to customer requests with connectors and technology.

Page 06-12



## EasyConnect™

### Maximum Flexibility - Minimal Simple

KOMTECH Easy Connect™ integrates all common signal types in one system and is directly integrated in the desk panel. For most types of signals no further switch, distributor or converter is required.

Page 13-21



## KOMTECH Elements

### Freestanding and Cuddly

In combination as a system or as stand-alone version - the mobile KOMTECH Elements offer flexible and innovative ways of using and designing meeting rooms.

Page 22-25



## KomFlex

### Separable and flexible

This KOMTECH connector panel is ideal for flexible table and folding table systems. For the KomFlex we have developed a special attachment that allows to install or dismantle the connector panel without tools if required.

Page 26-27



## Hybrid & Hybrid Slim

### Technology in a small space

This connector panels can be equipped customized or moular. Is the cover closed, the cable is guided about a one-to-threesided brush strip from the aluminium body.

Page 28-34



## SE160

### To each his own...

These connector panels are characterized by a space-saving, compact design. The complete connector panel is delivered arranged by us and pre-assembled. The SE160 is designed as a single connector panel.

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## Basic Series

### Simply motor-driven & good

The Basic-Series Offers, like all KOMTECH connector panels, the usual top manufacturing in tested quality. The user-friendly system is easy to understand for employees and visitors.

Page 36-39



## Hotel EasyConnect

### Comfort for your guests

Demanding hotel guests have their own communication and entertainment devices. They naturally want to use them during their stay in the hotel via the legacy In-Room-System, like at home in their living room.

Page 40-41

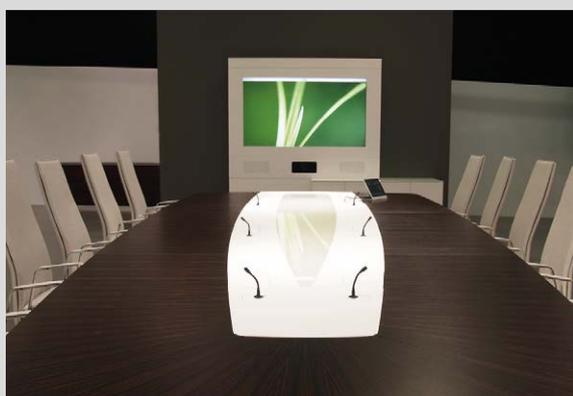


## Mini + Move

### The little black

This connector panels are available in a high quality and noble design. The solid workmanship relative is immediately apparent. A round bevel to the frame completes the design.

Page 42-45

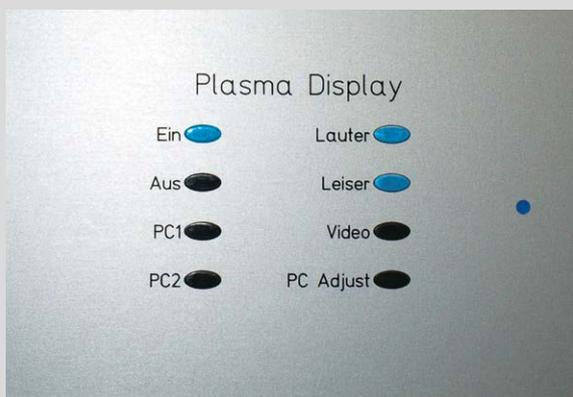


## Microphone Lift

### Motor-driven tidy

The microphones are always there when you need them - permanently installed - but only visible, if you really need them. Every video conference can start on time - without the time-consuming providing of the technology previously.

Page 46-47



## Control Technology

### "Action"

The KOMTECH PI/O control technology is a product family for small media control, with varied functions and high-quality workmanship.

Page 48-58

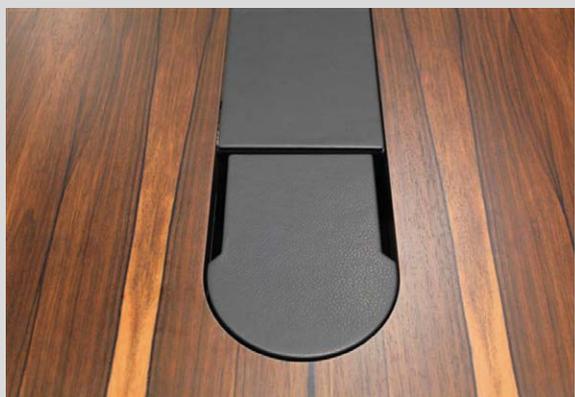
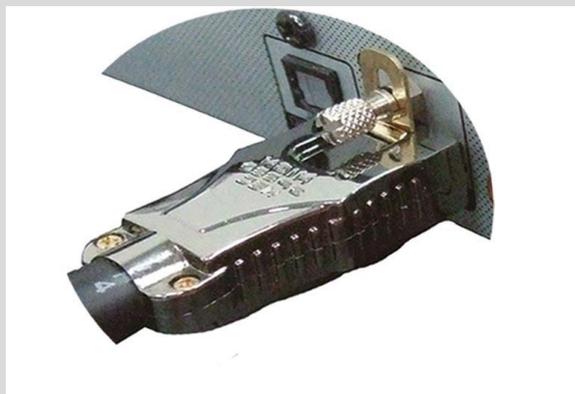


## Accessories

### Cable retractor

The KOMTECH motorized cable retractor managed the connector cables where they are needed. With the help of an unique cable guide the cable can be pulled out easily up to 70cm and depending on the version be mechanical or motorized recovered.

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## Accessories

### Cable Technology

KOMTECH offers a variety of cables for transmission audio, video and computer signals, DVI cable, HDMI cable, DisplayPort cable, combination cable for different signal types, bulk cables and custom-made cables by KOMTECH in Germany.

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## Custom Made

### Manufacture Examples

Our products are known for their high degree of individuality. KOMTECH produces about 75% according to customer requirements. Because of the flexible production processes, it is possible to made complex changes in all operations.

Page 64-80

## About KOMTECH

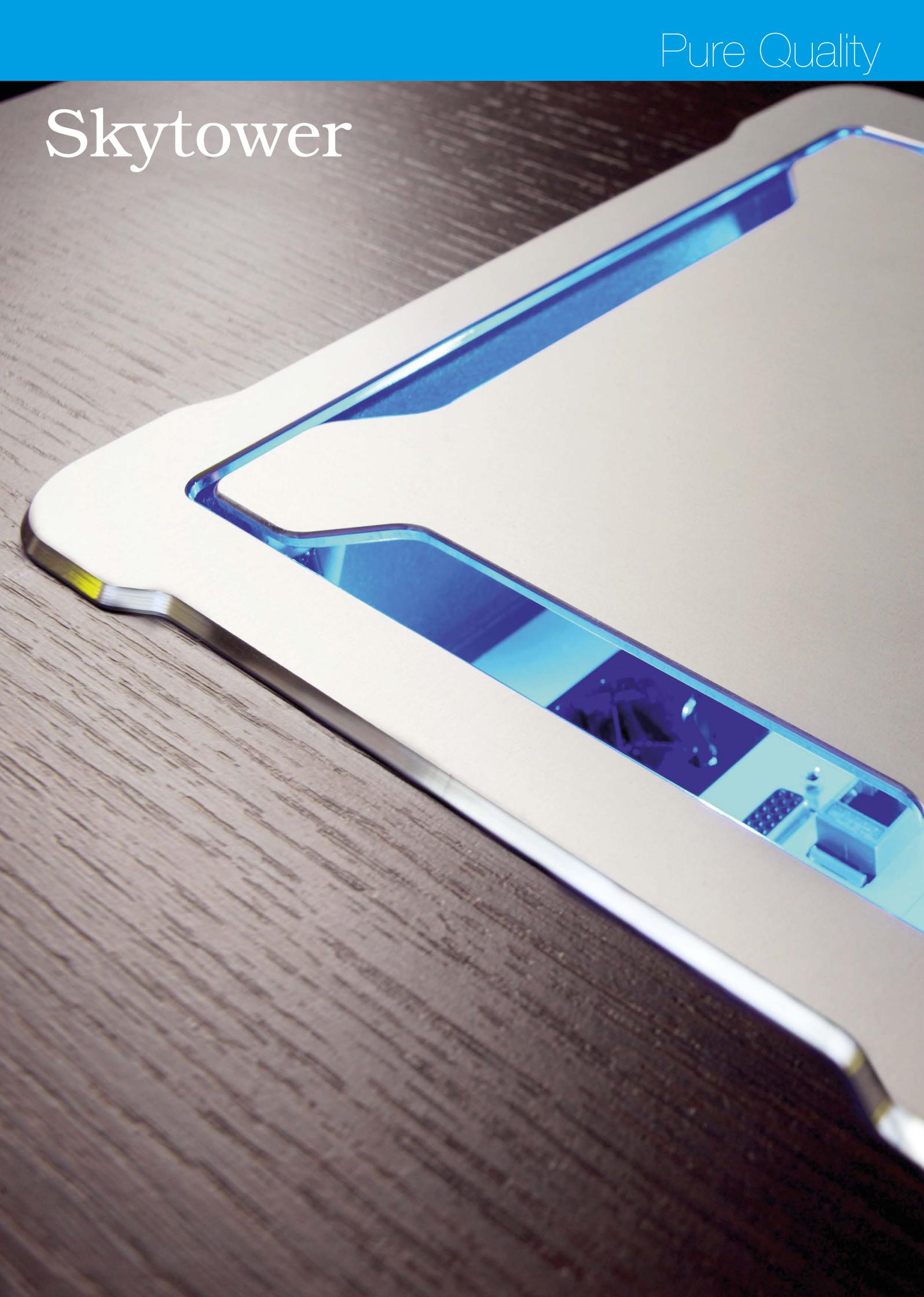
### Quality since 1982

As a result of the constantly increasing demand, KOMTECH developed from a supplier for the planning, installation and service of video studios to a high-end provider of special solutions in the field of audio, video and media technology.

Page 81-86

Pure Quality

# Skytower



## Skytower variations

quality just from the Standard-Line

The AF-TA Skytower is a perfect combination of superior design and excellent quality of manufacturing. Elegant embedded in the table he enables about a cleverly devised magnetic lock the four side open access to the electrical and data supply.

The modular expansion possibilities of the standard variant are 2x8TE for individual supplements of the modular connector panel program. The connecting plate of the Standard+ version can be defined free. Options for all Skytower models: tower, lights, cover (vat)

### Product characteristic

- Attractive design
- Excellent quality of manufacturing
- Four side access
- Invisible connector panel, even with plugged cables
- Customized mounting
- Modular expandability
- Variable adjustable on different sizes (60-80cm)
- Also available with integrated PI/O-control

### Design

The Design variant of the Skytower was awarded with the prestigious reddot design award. The reserved to the Skytower Design plexiglas plate can be equipped in accordance to customer requests with connectors and technology.

### Plenum

The Plenum variant of the Skytower provides as the Skytower Design a freely definable connector plate made of aluminium. Numerous surface finishes allows the individual adaption to the furniture.

### Standard+

The Skytower Standard+ has a freely definable connector plate, which waives in the contrast to Plenum and Design on the flush-bonded installation of the connectors. The free module place providing the possibility of an connector update.

### Standard

The Skytower Standard is equipped over the existing module places. This standardized production marks the entry level of the Skytower series.

Picture: Skytower Design with Nextel painting black



## Skytower Design

### Connector plate in plexiglas design

Plug connections flush with connector plate

### Free definable connector plate:

230V, RJ45 LAN, VGA/ Audio, HDMI ... etc.

**Technology options:** Control unit PI/O, Lighting

**Design options:** Nextel painting RAL, Powder painting RAL, Wet paint NCS, Engraving / Marking

**Mounting options:** Tower, covering (vat)

The Skytower, the "Skytower Design", has absolutely convinced 2011 the judges of the red<sup>dot</sup> design award, one of the most renowned international product competitions. The jury of highly respected experts has now awarded this desk connector panel with the "red<sup>dot</sup>: best of the best", a price reserved strictly for top design quality only. The distinguished jury had 4,433 products to choose from when awarding this special price.

### AF-TA Skytower Design - Winner of the red<sup>dot</sup> design award: Product Design „best of the best 2011“

"The KOMTECH connector panel „Skytower Design“ is a perfect combination of exclusive design and excellent workmanship. Because of the silver powdered surface, the special design of cover and frame and its chamfered edges, the "Skytower Design" created a very special, modern and charismatic touch in conference rooms. The interior, noble rounded with a plexiglass plate, is individual mountable. A sophisticated magnetic catch allows an easy access to the power and data connectors from all four sides. Equipped with a media control, which offers a variety of functions the "Skytower Design" could be adapted customized. Blue lighted keys are integrated spacesaving. This enables the user a quickly access to the control functions even in dark rooms."



red<sup>dot</sup> design award

## Plenum

## Skytower Plenum

### Connector plate aluminium

Plug connections flush with connector plate

### Free definable connector plate:

230V, RJ45 LAN, VGA/ Audio, HDMI ... etc.

**Technology options:** Control unit PI/O, Lighting

**Design options:** Nextel painting RAL, Powder painting RAL, Wet paint NCS, Engraving / Marking

**Mounting options:** Tower, covering (vat)

The Plenum variant of the Skytower provides as the Skytower Design a freely definable connector plate made of aluminum. Numerous surface finishes allow the individual adaption to the furniture.



Standard+

## Skytower Standard+

### Connector plate aluminium

Individual plug connections

### Free definable connector plate:

230V, RJ45 LAN, VGA/ Audio, HDMI ... etc.

**Technology options:** Control unit PI/O, Lighting

**Design options cover and frame:** Powder coating RAL,

Wet paint NCS, Engraving / Marking

**Mounting options:** Tower, covering (vat)

## The KOMTECH PI / O control technology is a media control with multiple functions

A flexible customer solution with diverse features which can be applied versatile and lets almost nothing to be desired. Whether as a conference room control, projector control or as a simple media control. The PI / O control technology can be integrated into almost any environment and is simple programmable with the included configuration software. Macro functions, such as a "Power On" / "power-off" sequence, "toggle" and "Push / Release" features multiple locking levels and time delay command are only a few of the many available options.



The PI / O control technique has two RS232 interfaces and can be extended by a relay, with that room functions such as a screen control, can be realized. The remote relay works independent depending on the project or interlocked.

The space save mounted control panel can be designed individually with up to 8 lockable buttons.

## Plasma Display

Ein 

Lauter 

Aus 

Leiser 

PC1 

Video 

PC2 

PC Adjust 

Standard

# Skytower Standard

**Connector plate aluminium**

Standard connections: 230V, RJ45 LAN, VGA/ Audio

**Free definable connector plate:**

2x 8TE for HDMI ... etc.

**Technology options:** Lighting

**Design options cover and frame:** Powder coating RAL, Engraving / Marking

**Mounting options:** Tower, covering (vat)

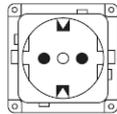


**International Skytower by matching outlets:**

**AF-TA Skytower**

**Schuko-power supply based on DIN VDE**

**Einsetzbar in:** Afghanistan, Andorra, Bulgaria, Chile, Germany, Estonia, Finland, Indonesia, Iceland, (partially) Italy, Netherlands, Norway, Austria, Portugal, Romania, San Marino, Sweden, Slovenia, Spain, South Korea, Hungary, Vatican



**The right computer connection:**

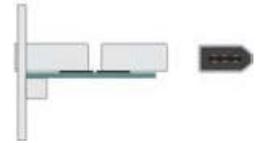
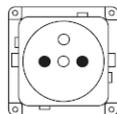
Selection of TE modules for data transmission. The Skytower take up to 2 x 8TE modules.

**For example: RJ-45 / USB / Firewire / RS232**

**AF-TA Skytower UTE**

**Schuko-power supply based on DIN NF**

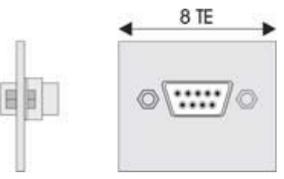
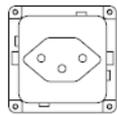
**For use in:** Belgium, France, Monaco, Poland, Slovakia, Czech Republic



**AF-TA Skytower CH**

**Schuko-power supply based on DIN SEV**

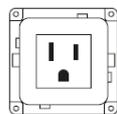
**For use in:** Liechtenstein, Switzerland



**AF-TA Skytower USA**

**Schuko-power supply based on DIN USA**

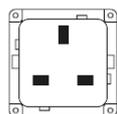
**For use in:** Canada, Mexico, South America (partially), USA



**AF-TA Skytower UK**

**Schuko-power supply based on DIN UK**

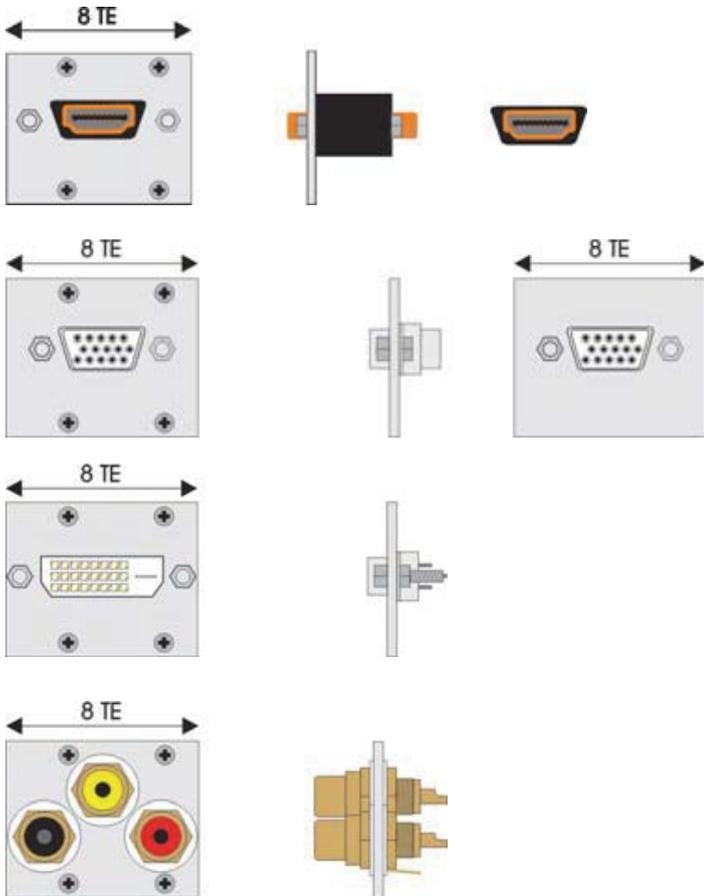
**For use in:** Dubai, Great Britain, Hong Kong, Ireland, Malaysia, Malta, Singapore, Cyprus



Custom

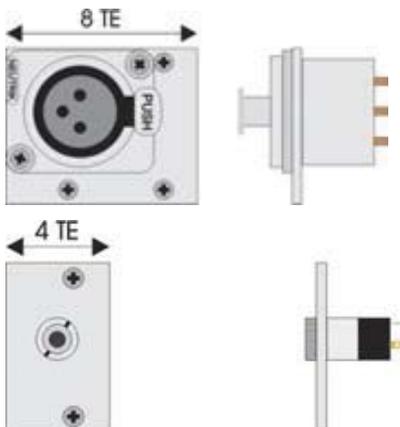
**Feed monitor / video signals:**

Selection of TE modules for image transmission  
**HDMI / VGA / DVI / Composite + Stereo**



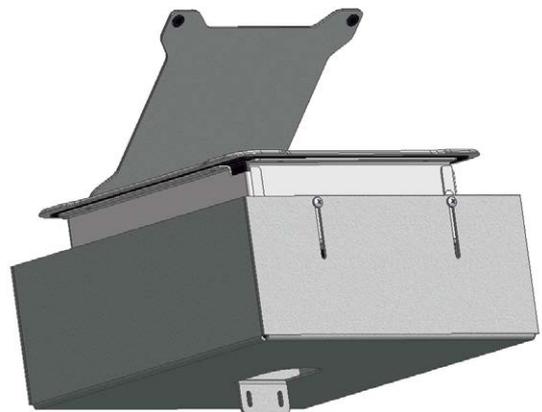
**Sound signals to feed:**

Selection of TE modules for sound  
**XLR / 3,5mm Stereo phone plug**



**Mounting:**

The optional cover vat provides a clean appearance under the table.



Maximum Flexibility - Minimal Simple

# EasyConnect™



## EasyConnect™

Maximum Flexibility - Minimal Simple

### THE revolution for your conference room!

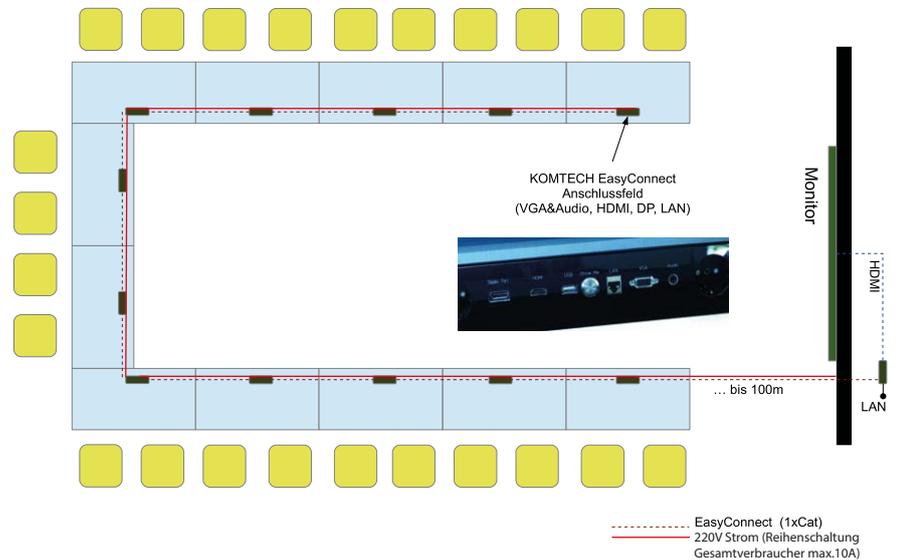
Easy Connect™ - THE idea which many others have attempted to implement. - We did it!

### All types of signals - ONE system

KOMTECH Easy Connect™ integrates all common signal types in one system and is directly integrated in the desk panel. For most types of signals no further switch, distributor or converter is required.

### Easy Connect™ provides nearly unlimited entry points via serial connection.

The distribution of the signal is possible via CAT cable (daisy chain) to multiple places and guarantees loss-free transmission up to 100m in Full HD.



Therefore only one (Cat) cable is required!



# EasyConnect™

Maximum Flexibility - Minimal Simple

In addition to VGA & Audio, HDMI and DisplayPort also the transmission of LAN (100M Ethernet) is possible.

The control is carried out locally via ShowMe-Button. Optional is also a control via RS232 possible. Audio and video are available via HDMI interface at the signal output (V1.4, HDCP compliant). The integrated intelligent EDID management allows plug and play operation without any further configuration.

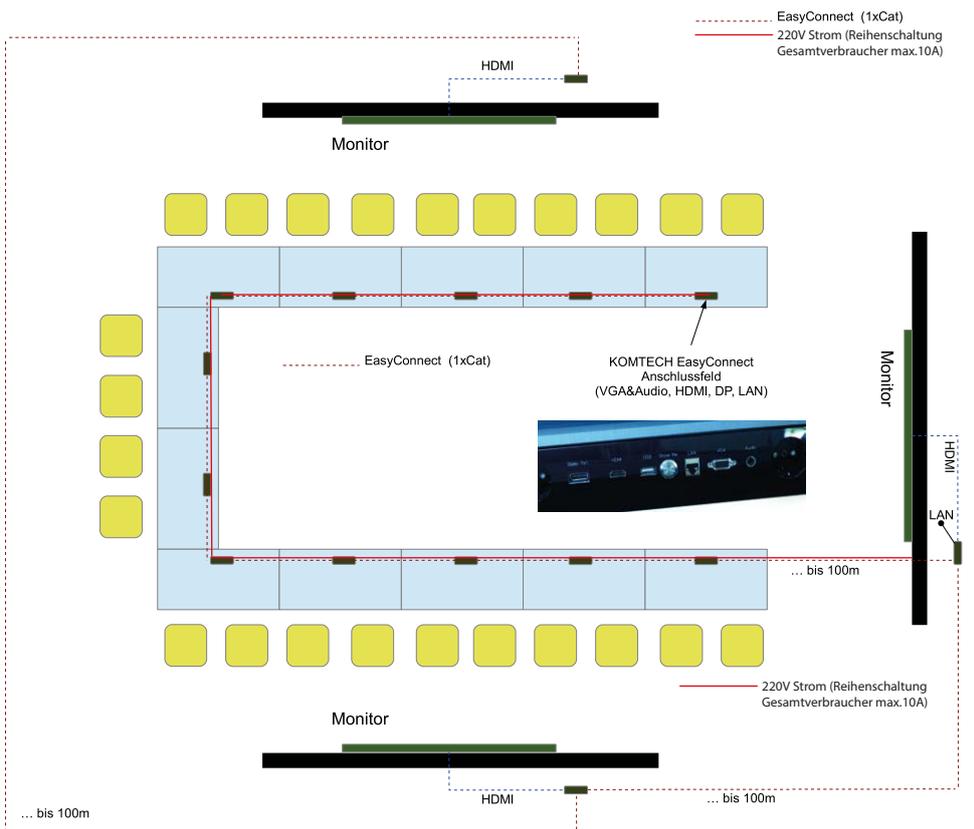
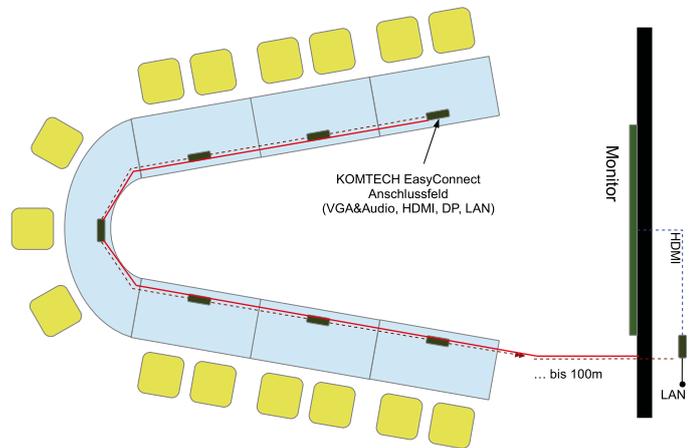
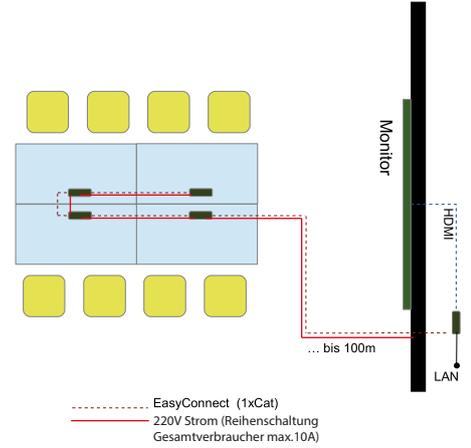
The solution is not only suitable for fixed installation but also in particular for flexible use. Together with the new KOMTECH KomFlex desk connector panel a complete toolless assembly / disassembly of the entire system is in a few moments possible. For this purpose, no technical staff is required.

This opens new previously impossible design and use options with mobile table systems.

With support for all major types of signal matching and signal conversion, problems are now a thing of the past.

At the end of the signal chain is a standard HDMI signal that displays all regular monitors and projectors.

Each connection box has an Ethernet interface and can be connected via the receiver to the home network. All participants share 100Mbit/s (HUB structure).



Standard+

## EasyConnect™ T310

The latest version of our connector series field KOMTECH Easy Connect is even more compact, space-saving and easy to install.

The base set of KOMTECH Easy Connect consists of an AF-TA T-310 as a transmission unit. Delivery includes receiver unit. It is an uncompressed transmission over CAT cable up to 100m possible.

The connector panel is also equipped with a ShowMe-Button for easy source selection, two 230V power outlets and a LAN port.

Inputs (TX): VGA & Audio, HDMI, DisplayPort  
Output (RX): HDMI

With expansion modules, the system can expand freely. The extension also consists of an AF-TA T310 and has the same features as the Easy Connect base set.



Here you can see the needed connections between the connector panels.

The receiver is housed in a separate metal housing.  
Dimensions junction box unit (WxH): 310mm x 210mm  
Cut Out (WxH): 290mm x 190mm  
Depth: 108mm



## Design

## KomFlex EasyConnect™

Our new toolless removable desk connector panel with 2x230V, LAN, VGA & Audio, HDMI, DP (option), USB 5V (option) and ShowMe (option)

### KomFlex - The flexible conference partner

This KOMTECH connector panel is ideally suited for flexible table and folding table systems. For KomFlex we have developed a special attachment which allows to mount or dismount the connector panel without tools easily. In this way a space-saving storage after the removal of flexible table systems is realizable.

### What about on the tabletop?

Exactly as you want! By default we deliver the connector panel KomFlex without cover and frame. You get a drawing of how big the flap in the table can be minimum or maximum. This gives you the ability to use the KOMFLEX directly under the standard flaps, for example Walter Knoll, Wilkhahn or other reputable manufacturers.



Photo: KomFlex mounted under a neutral KOMTECH frame.



Standard+

## EasyConnect™ DP DesignProfil

The „take away“ connector panel!

The desk connector panels in design-profil are specifically developed for application in alternating environments. They are either mountable with a few easy steps by a special clamp fastening or flexible by a hook-and-loop tape from one table to another.

The connector panel is also equipped with a ShowMe-Button for easy source selection, two 230V power outlets and a LAN port.

Inputs (TX): VGA & Audio, HDMI, DisplayPort  
Output (RX): HDMI

With expansion modules, the system can expand freely. The extension also consists of an EasyConnect DP and has the same features as the EasyConnect Basis-Set.



Here you can see the DP from behind attached to the table top.

The receiver is housed in a separate metal housing.  
Dimensions junction box unit (WxH): 310mm x 210mm  
Cut Out (WxH): 290mm x 190mm  
Depth: 108mm



Standard+

## EasyConnect™ UTA

Invisible installation under the table top guarantees the compact mounted under table connector panels. You can choose between customized fixed or modular mounting.

The base set of KOMTECH Easy Connect consists of an EasyConnect UTA as a transmission unit. Delivery includes receiver unit. It is an uncompressed transmission over CAT cable up to 100m possible.

The connector panel is also equipped with a ShowMe-Button for easy source selection, two 230V power outlets and a LAN port.

Inputs (TX): VGA & Audio, HDMI, DisplayPort  
Output (RX): HDMI

With expansion modules, the system can expand freely. The extension also consists of an EasyConnect UTA and has the same features as the EasyConnect Basis-Set.



Custom Made



## T-315 Slim EasyConnect™

Based on the proven desk connector panel  
Hybrid Slim T-315 with 2x230V, LAN, VGA & Audio,  
HDMI, DP and interior lighting (option)

## T-300 EasyConnect™

Based on the proven desk connector panel  
Hybrid T-300 with 2x230V, LAN, VGA & Audio,  
HDMI, DP and interior lighting (option)



# EasyConnect Stand Alone

## KOMTECH PoE-Edition (Set)\*

### EasyConnect HDMI & VGA POE Extender

Simple „point-to-point“ solution for the transmission of analog or digital video signals, e. g. from a conference table to a projector. (Plug'nPlay operation)

#### Stand Alone Extender Set (up to 100m)

- Transmits HDMI or VGA & Audio over HDBaseT
- Signal detection
- Automatic source switching
- Auto-priority function
- The transmitter is powered via PoE through the receiver

#### \* Important!

This set can not be combined with the EasyConnect built-in connector panel solutions!



HDMI & VGA POE Extender (Set) - Item No 05300204

#### Transmitter

- HDMI input
- VGA & Audio (3,5mm stereo jack) Input

#### Receiver

- HDMI output
- Audio output (analog, RCA)

## KOMTECH HDMI over IP-Edition (Set)

### Universal solution for transferring HDMI signals including IR, RS232 & USB

The KOMTECH solution provides design freedom for each network infrastructure and a variety of signal transmission. The power supply of KOMTECH module can also be done locally via PoE. No different hardware with different power supply. In addition to the HDMI signal transmission even USB 2.0 is fully integrated not only for KVM. A 4-port USB hub in the receiver saves an otherwise usually necessary additional hub. The free included software also allows for the simple configuration for single as well as multi-cast configurations.

- ▶ Power is supplied via an external power supply or PoE.
- ▶ Delivery including configuration software.
- ▶ Optional with VideoWall function.

#### Features

- Supports 1080p60Hz up to 100m (Point-to-Point)
- Supports Matrix switching (Multiple-to-Multiple)
- Seamless Switching through manageable Gigabit Switch
- Power supply also possible via PoE
- USB over IP function
- IR & RS232 over IP fun (pass-through)
- De-Emdedded Audio out (analog)
- Controlling via Telnet protocol

#### Possible applications:

- Point-to-point connection
- Distributed Matrix / Switcher
- KVM Application
- Digital Signage
- Conference rooms
- .... and much more

The system enables the realization of a distributed matrix solution via a network switch. With the included software, you can easily define and manage scenes. About IR, RS232 and USB, extensive options for managing devices.



KOMTECH HDMI over IP-Edition (Set) - Item No 05301019

#### Transmitter

- HDMI Input
- HDMI Output (loop through)
- USB-B Connector
- RS232 (3pol. Phönix)
- LAN/Ethernet (RJ45)
- DC 12V Power supply (external power supply)

#### Receiver

- HDMI Output
- RS232 (3pol. Phönix)
- Integrated USB Hub 4x
- Analogous Audio out (3pol. Phönix)
- LAN/Ethernet (RJ45)
- DC 12V Power supply (external power supply)

Freestanding + Cuddly

# KOMTECH Elements



## KOMTECH Elements

**In combination as a system or as stand-alone version the mobile KOMTECH Elements offer flexible and innovative ways of using and designing meeting rooms. A simple meeting room can be transformed with a little effort in a conference room.**

KOMTECH Elements are self-contained elements. They can be combined individually or in groups with almost all table systems of commonly known table manufactures. Materials, finishes and colors are customizable to the requirements of room designs.

Depending on the module own mobile equipment can be easily connected to the integrated technology and the media environment of the conference room.

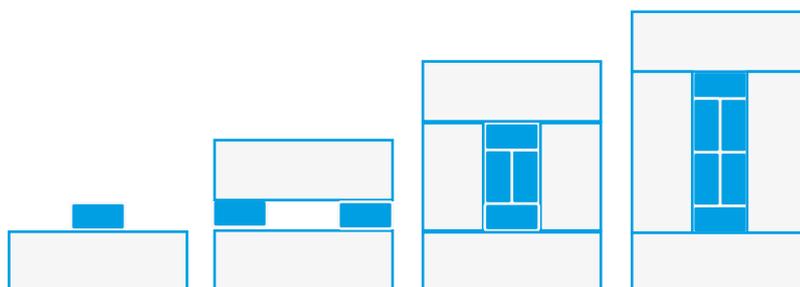
Stand-alone variants, such as with integrated PC, can also be used completely independently. Customers can choose from many different configuration options:

- classical connector panel
- manually retractable technology block
- motorized retractable technology block

**The system offers unique design possibilities and makes conference room technology almost invisible.**

Optional it is possible to integrate equipment of third parties. Alternatively, the KOMTECH Elements may be compiled in a group to integrate them together in a larger desk system or table top. About the form of the table top, the customer decides!

KOMTECH element impress with their individuality - no matter if fashionable, elegant, classic or timeless neutral



## Versions & Variants

### KOMTECH Elements

#### T380 EasyConnect

Equipment:

- EasyConnect
- 2x Schuko Socket
- PI/O Media Control



### KOMTECH Elements

#### Customized

Equipment:

- Equipped individually according to customer requirements



### KOMTECH Elements

#### EasyConnect Designline

Equipment:

- 2x EasyConnect
- 2x USB charge
- 4x Schuko Sockets
- 4x LAN



### KOMTECH Elements

#### EasyConnect Plenum

Equipment:

- 2x EasyConnect
- 2x USB charge
- 4x Schuko Socket
- 4x LAN



## Versionen & Varianten

### KOMTECH Elements „Didact“ Education System

Equipment:

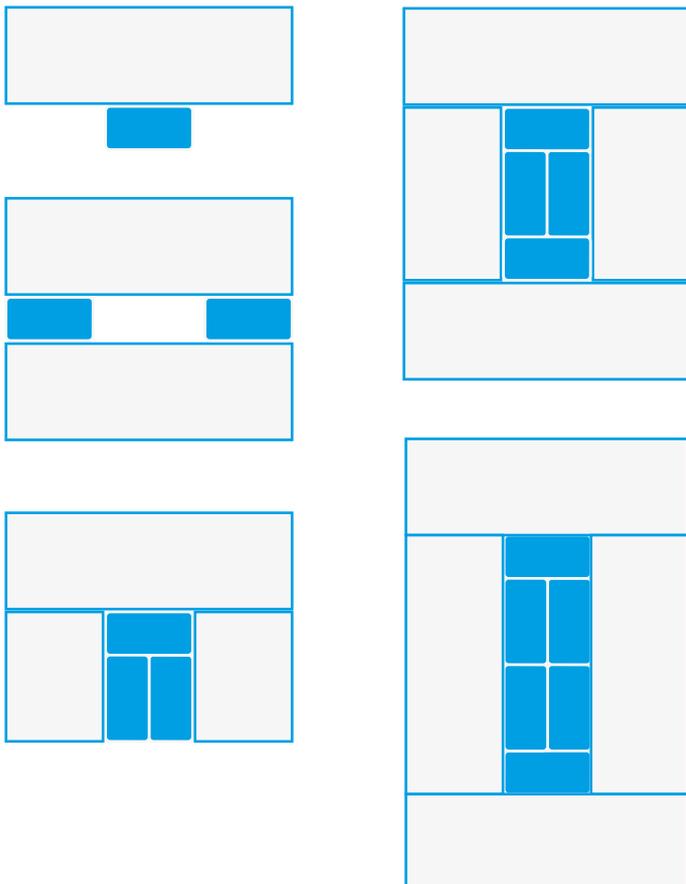
- with monitor
- Show-Me Button
- HDMI connector
- USB charge
- 2x Schuko Socket



### KOMTECH Elements Tablet Holder

Fits for:

- iPad
- Samsung Galaxy
- and any other tablet up to max. 10 "



### KOMTECH Elements

In combination as a system or as stand-alone version the mobile KOMTECH Elements offer flexible and innovative ways of using and designing meeting rooms.

A simple meeting room can be transformed with a little effort in a conference room.

# ELEMENTS

mounted quickly and easily

for tool-free under table installation

# KomFlex

## KomFlex - The flexible conference partner

This KOMTECH connector panel is ideally suited for flexible table and folding table systems.

For KomFlex we have developed a special attachment which allows to mount or dismount the connector panel without tools easily.

In this way a space-saving storage after the removal of flexible table systems is realizable.

## What about on the tabletop?

Exactly as you want!

By default we deliver the connector panel KomFlex without cover and frame. You get a drawing of how big the flap in the table can be minimum or maximum.

This gives you the ability to use the KOMFLEX directly under the standard flaps, for example Walter Knoll or other reputable manufacturers.

Of course, we supply your KomFlex with lid and frame.

It is available - as usual - an individual selection of materials, finishes and colors.

In addition, the KOMFLEX provides enough space for the direct integration of eg:

- KOMTECH EasyConnect (in preparation)
- KOMTECH HDBaseT-Transmitter
- AMX DxDLink Multifformat Extender
- Kramer SID-x1 Extender
- U. a.

## Equipment

The connector panel KomFlex is available in the variant „Design“.



## Design

## KomFlex

for tool-free under table installation

KomFlex unassembled, without cover and frame

### Maximum Equipment:

- 2x 230V Schuko-power sockets
- 2x LAN
- 1x VGA / Audio
- 1x HDMI
- 1x DisplayPort
- 1x „Look-at-me“ button
- Lighting

### Technical Data

Dimensions BxHxT: 480mm x 100mm x 210mm

Installation cut out BxT: minimum 210mm x 100mm  
maximum 360mm x 130mm

**Power** laterally via PowerCon In/Out



Connector Panels custom made

# Hybrid



# Hybrid Slim



## Hybrid & Hybrid Slim

The connector panels of the series Hybrid and Hybrid Slim are available in the versions Design, Plenum, Standard+ and Standard. Various sizes are available. The modular expansion capability of the Standard variant is depending on the size of the base support 24 or 40 TE for individual supplements from the modular connector panel program. From the Standard+ version the connection plate is freely definable. The connector panel can be rounded precious with a plexi-glas plate in the Design version.

For cover and frame we offer numerous design options, which integrate the connector panel almost invisible in the environment or present it as a highlight.

### Versions

#### Design

The for the Design version reserved plexiglas plate can be equipped in accordance to customer requests with connectors and technology.

#### Plenum

The Plenum version provides a freely definable connector plate made of aluminium. Numerous surface finishes allows the individual adaption to the furniture.

#### Standard+

The Standard+ version has a freely definable connector plate, which waives in the contrast to Plenum and Design on the flush-bonded installation of the connectors. The free module place is providing the possibility of an connector update.

#### Standard

The Standard version is equipped over the existing module places. This standardized production marks the entry level into the Hybrid and Hybrid Slim Series.



## TA Hybrid

The connector panel Hybrid is available in two sizes:

- T-300
- T-380

In the Standard variant the free module places are equipped from the available module program.

The Standard+ variant has a freely definable connector plate but waived - like the Standard version - on the flush mounted installation of the connectors.

In the Plenum variant The connections can be freely defined. They are flush mounted in an aluminum plate.

Rounded precious is the connector panel in the Design variant. The freely definable, flush mounted plate of plexiglas can be labeled individually.

### Further optional possibilities:

- Equipping of Hybrid T-380 with a carrier plate for a **Revoluto microphone of beyerdynamic))))**
- All-round, bevelled or rounded outer edges for attached assembly
- Individual engravings, such as your logo (template)
- Frame and cover, for example, in stainless steel, aluminum, powder coated in RAL color, aluminum wet painted in RAL color, aluminum Nextel paint, etc.
- International power sockets are available on request



Is the cover closed, the cable is guided about a one-to-three-sided brush strip from the aluminium body.

An integrated, not visible when closed, storage keeps order.

The cable connectors are optional available solderable, pluggable or with molded cables. The supplied network cable has a length of 2m.

Furthermore, many functional variants and application versions available, such as the optional fitting of a PI / O control systems and the installation of external modules.

Cable eyelets for strain relief, high security by a closed housing and the physical separation between signal and power lines are already proven and integrated standard features.

The standard finish of the Hybrid Series is Aluminium HQ Structure with Superb Resistance Eloxal.



## Hybrid Slim

The connector panel Hybrid Slim is available in three sizes:

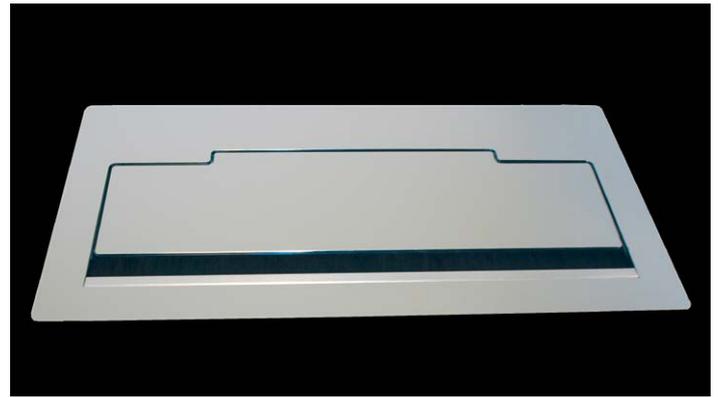
- T-315
- T-365
- T-405

In the Standard variant the free module places are equipped from the available module program.

The Standard+ variant has a freely definable connector plate but waived - like the Standard version - on the flush mounted installation of the connectors.

In the Plenum variant The connections can be freely defined. They are flush mounted in an aluminum plate.

Rounded precious is the connector panel in the Design variant. The freely definable, flush mounted plate of plexiglas can be labeled individually.



There is not a lot of space below the table top? Or the connector panel should remain as invisible as possible? Then Hybrid Slim is the solution!

Due to the flat mounting of the connector panels have the user's legs maximum space under the table. Also the installation in a folding table can be realized. A secure attachment and individual design, connecting options and equipment options like at a "normal" hybrid are further powerful features.

### Further optional possibilities:

- Equipping of Hybrid T-380 with a carrier plate for a **Revolut microphone of beyerdynamic))))**
- All-round, bevelled or rounded outer edges for attached assembly
- Individual engravings, such as your logo (template)
- Frame and cover, for example, in stainless steel, aluminum, powder coated in RAL color, aluminum wet painted in RAL color, aluminum Nextel paint, etc.
- International power sockets are available on request



## Options

### Frame & Cover

Frame and cover are optional available in following versions:

- One- or three-sided brush strip
- Rolled aluminium
- Stainless steel
- Corian®
- TIN surface
- Smoked glass
- Prepared for veneer
- Choose from over 500 different surface finishes your unique style form!



Connector panel with continuous veneer

### Further optional possibilities:

- Equipping of Hybrid T-380 or Hybrid Slim T-405 with a carrier plate for a **Revolutio microphone of beyerdynamic))))**
- All-round, bevelled or rounded outer edges for attached assembly
- Individual engravings, such as your logo (template)
- Frame and cover, for example, in stainless steel, aluminum, powder coated in RAL color, aluminum wet painted in RAL color, aluminum Nextel paint, etc.
- International power sockets are available on request

### Possible edge designs with base material aluminum for the mounting placed on the tabletop



Fase 45°



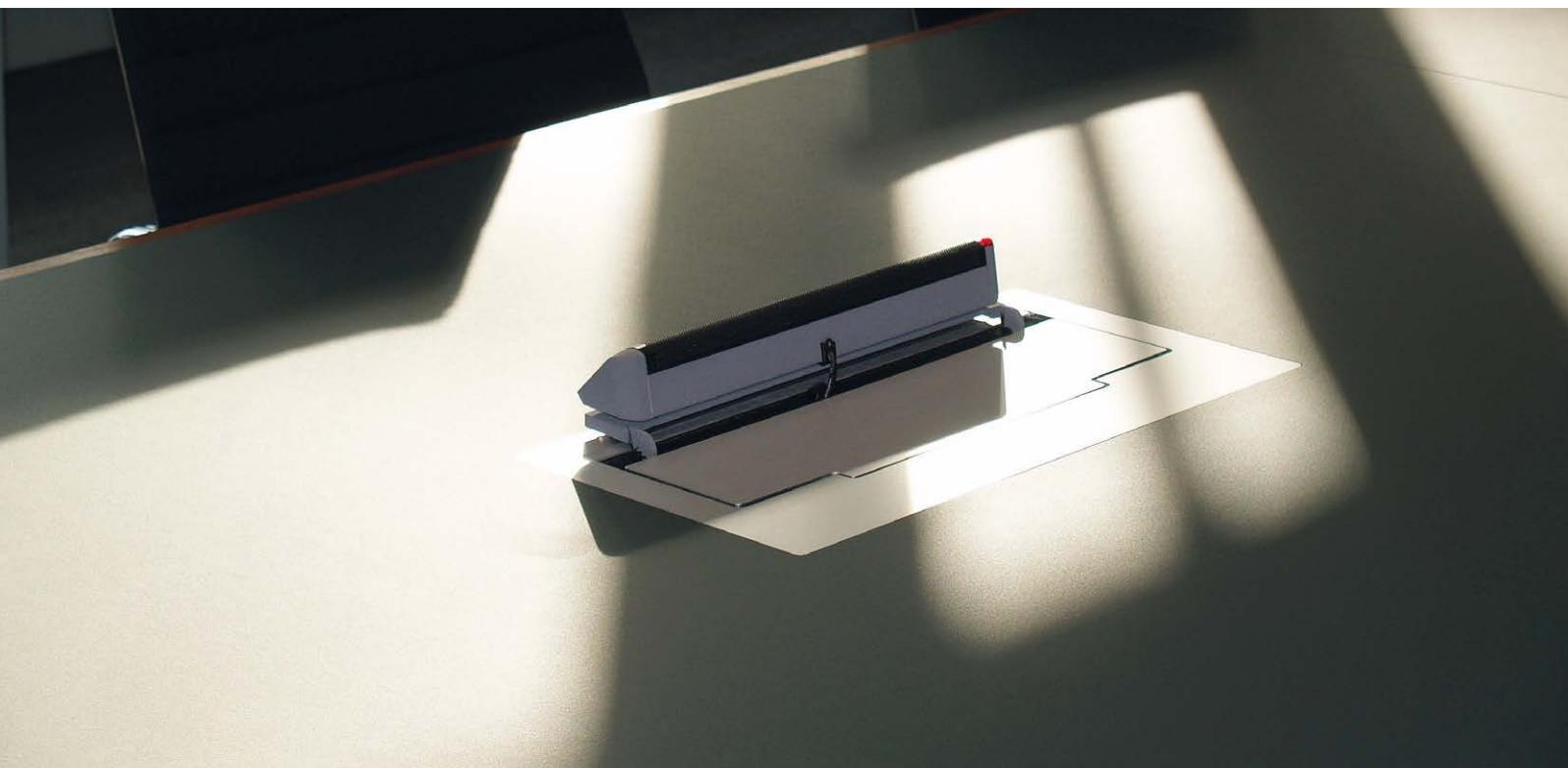
Fase 45° with R5



Outer radius 2mm  
mit R5



Outer radius 2mm  
with R5



## TA-Standard Edition 2014

The Connection Panels offer plenty of room for cables and / or power supplies. Two Schuko power sockets and 2m network cable are included in delivery. Is the connector panel closed the cables are routed out through the integrated brush strip (1, 2 or 3 sides possible) to the lap tops. This avoids the "cable clutter" on the table.

### Design variants:

Aluminium HQ Structure with Superb Resistance Eloxal, steel anthracite or stainless steel.

Color shall be brought into play? - No problem!

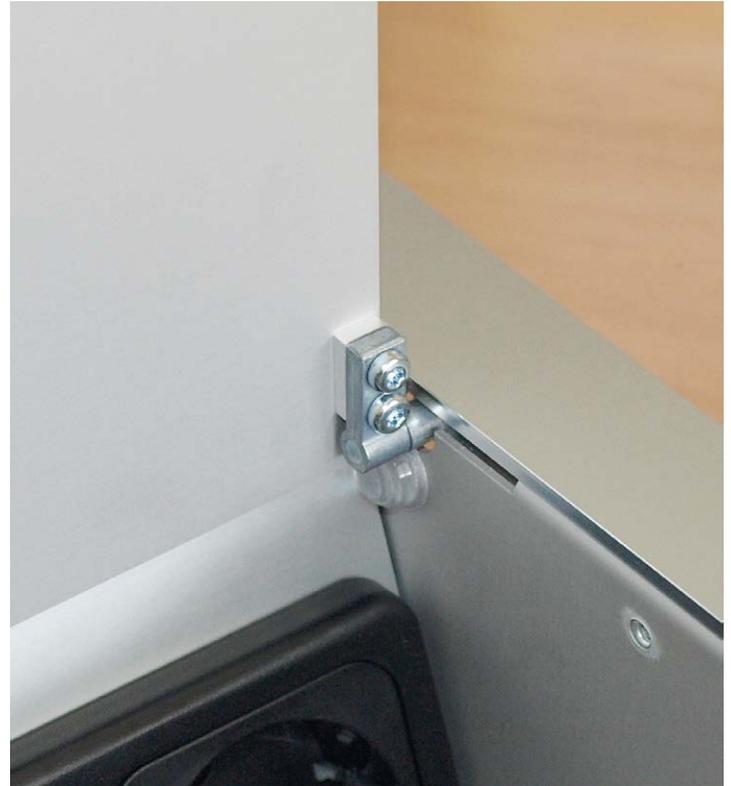
We refine your desk connector panel in any possible RAL color.

### New Hinges

Our connection panels are been equipped with new hinges. These are more space-efficient than before integrated

### New Power Sockets

In the configuration option "Standard" and "Standard +" are housed new Schuko sockets. By the new hinges could the space and the use be optimized.



## TA-Standard Edition 2014



### AF-TA Standard - the mother of our connector panels

*At the very beginning of the connection solutions of KOMTECH was the basic idea to offer custom made high quality. This has to this day maintained. At that time, the individual claim of connectivity was realized through interchangeable modules. This possibility have the current standard models still. Over the years, in addition to purely technical requirements, the design of the connector panels became to the central core competence of KOMTECH. Many surface finishes, modified floor plans, and purely for OEM requirements produced connector panels are available to our customers today.*



## SE 160 & Hybrid SE 160

The 1-workstation solution is available in the variants Standard+ and Design.

In the Standard+ variant the connections are flush mounted into the aluminum plate as defined standards. The connector panel is placed on the tabletop. The standard surface is HQ Structure with Superb Resistance Eloxal.

Rounded precious is the connector panel in the design option. The freely definable, flush plate is made of plexi-glas and can be labeled individually.



Look in the inside of the Standard+ variant with a defined equipping and standard surface



Design variant let in flush-bondedly

These connector panels are characterized by a space-saving, compact design. The complete connector panel is delivered arranged by us and pre-assembled.

International power sockets are available on request.

### Special Note:

If the desk connector panel should be placed on the table, please inquire / order **WITH** circumferential outer radius!!!



Motorized Desk Connector Panel

# Basic Series



## Connector Panel - Basic Series

### Motor-driven Desk Connector Panels

Motor-driven desk connector panels of KOMTECH simplify the use of media technology in your conference room. Unused the connector panel is still a piece of table surface. By pushing a button it turns into an individual connector field for modern equipment.

#### The Basic-Series

offers, like all KOMTECH connector panels, the usual top manufacturing in tested quality. The user-friendly system is easy to understand for employees and visitors.

#### Flexible & Individual

Both available sizes of the Basic Series are flexible mountable with AV-, power and data interfaces - according to your individual requirements. Various details of the connector panel could be matched in required colours. (More information on page 6.)

#### Operation & Using

By pushing the green arrow, the connector panel turns from the rest position to the table surface. Integrated sensors detect the using and prevents the unwanted closing. If all connectors have been removed, the connector panel could turn back into rest position via pushing the red arrow. Now it locks to a flat surface.

#### Comfortable

Is the connector panel unused for a while it closed automatically. So it creates an organised appearance in conference rooms.



#### Motorized desk connector panel 2/6 - Basic Series -

- 2x 230V / 5 free module places
- Colour: black
- Outgoing cable length: 3m
- Needed cut out in the table (W x L): 102mm x 373mm
- High of connector panel: 104mm
- Inclusive mounting set

This module place must remain free!



#### Motorized desk connector panel 2/4 - Basic Series -

- 2x 230V / 3 free module places
- Colour: black
- Outgoing cable length: 3m
- Needed cut out in the table (W x L): 102mm x 373mm
- High of connector panel: 104mm
- Inclusive mounting set

**Attention:** Delivery of these connector panels is only completely mounted possible!  
Changing of modules only possible in our company!

# Connector Panel - Basic Series

## Modules



### Double module VGA & Audio

- Basic Series -

- VGA female
- 3,5mm stereo jack female
- Needs 2 module places
- Outgoing cable (on plug) 3m



### Module HDMI

- Basic Series -

- HDMI female
- Outgoing cable (on plug) 3m



### Module LAN/RJ45 CAT5e

- Basic Series -

- RJ45 female
- Outgoing cable (on plug) 3m



### Module USB

- Basic Series -

- USB female (USB-A 2.0)
- Outgoing cable (on plug) 3m



### Module Audio

- Basic Series -

- 2x RCA (Cinch) female (red/white)
- Outgoing cable (on 2x RCA plug) 3m



### Module AV

- Basic Series -

- 2x RCA (Cinch) female (yellow/black)
- Outgoing cable (on 2x RCA plug) 3m



### Module Microphone

- Basic Series -

- 1x 3pin XLR female
- Outgoing cable (on plug) 3m

## Special options

### Country-specific power socket

- Basic Series -

(additional charge per socket)

Available:

- Type UK
- Type France
- Universal (not allowed in Europe)

### Powder-coated in special colours

- Basic Series -

- It is possible to paint the aluminium parts in the colour of your choice. Side panels & modules are always black!

- Minimum purchasing: 50 pieces
- Extra charge

### Liquid painting in special colours

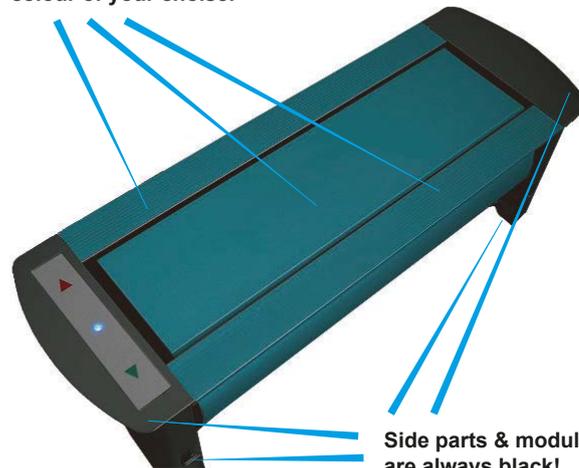
- Basic Series -

- It is possible to paint the aluminium parts in the colour of your choice.

Side panels & modules are always black!

- Minimum purchasing: 50 pieces
- Extra charge

In the picture blue painted aluminium parts could be painted individual in the colour of your choice.



Side parts & modules are always black!

## KOMTECH Design Line

### Motorized Desk Connector Panel

#### modern

With the Design Line modern equipment will be a part of your bureau and conference rooms.

The user-friendly system and individual connectors with latest technology guarantee an easy understanding for employees and visitors.

#### flexible

As like all connector panels, KOMTECH offers maximum individuality with this connector panel.

The mounting (2x power, 2x LAN, HDMI, VGA/Audio, DisplayPort, USB) leaves nothing to be desired and complies with all requirements in a modern conference room.

#### easy to handle

Unused all connectors stay in their upside down position. That creates an organised appearance and the total table surface is available for the users work

By pushing the green arrow, the connector panel turns from the rest position to the table surface. Integrated sensors detect the using and prevents the unwanted closing. If all connectors have been removed, the connector panel could turn back into rest position via pushing the red arrow. Now it locks to a flat surface. Is the connector panel unused for a while it closed automatically.

The Design Line is fascinating with a elegant look, which presents the fastening of the connectors in an invisible way.



## KOMTECH Hotel Easy Connect

The essential solution for exclusive hotel rooms.

**Just connect – finished!** - Demanding hotel guests have their own communication and entertainment devices. They naturally want to use them during their stay in the hotel via the legacy In-Room-System, like at home in their livingroom. This demand you can provide in a fashionable and convenience way.

The well designed technology is hidden behind a black plexiglass panel in combination with a high quality aluminum frame. The KOMTECH Hotel Easy Connect is easy and conveniently to handle via touching the symbols. Is the system switched on and a new device connected at any port the integrated intelligence automatically switches to the specific port. All signals are converted directly in HD-signals. Simply one signal cable (type HDMI) is necessary for connecting the system to the In-Room-TV System. Optional the system is also available with a bluetooth-receiver for wireless transmission of audio signals.

In the maximum version the system communicates via the integrated RS232 interface directly with the In-Room-TV System and switches it if needed to the correct input (HDMI).

### Technical specifications

- Design of frame and plexiglass is individual customizable to nearly every room ambience
- 230V connectors in different country specifications available
- 2 different power connectors integrateable on request
- 2x LAN(passiv) / optional without internet access available
- Analog video connectors, for example for video cameras
- Analog PC connector incl. audio
- HDMI - digital connector for PC and different AV players
- "All-in-one" HD function
- Supports playback and recharging via USB (depending on the used system)
- Wireless Bluetooth for music (optional)
- RS232 interface (optional)
- Modern design
- Just connect — finished!

**Note:** Accessories such as docking station and wall panels must be ordered separately. To be able to use the TV control function, the TV must have CEC and / or RS232 control options.



## KOMTECH Hotel Easy Connect

The essential solution for exclusive hotel rooms.

**It doesn't matter which devices your guests bring to your hotel - circumstantially declarations are unnecessary.**

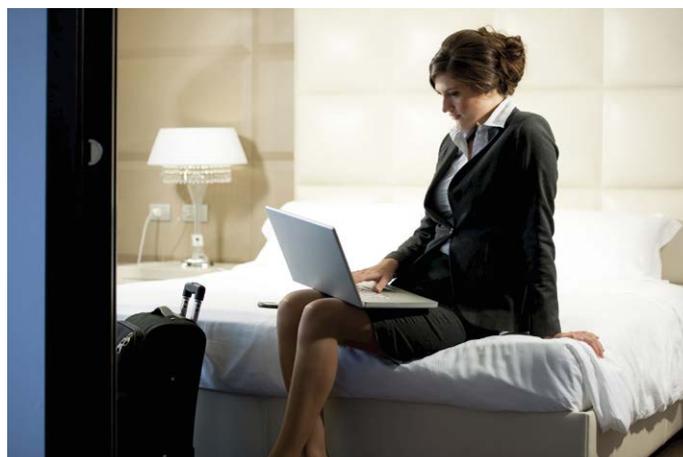
No more searching for the correct input to the TV system or the right button on the remote control. Not longer necessary for the guest. The KOMTECH Hotel Easy Connect offers your guests easiest intuitive operation with regard to their demand and comfort.

Also the noble metal version fits exclusive into the room ambience of hotel rooms, conference rooms, lounges, media furniture or even yachts.

Hotel Easy Connect metal is available in two sizes:

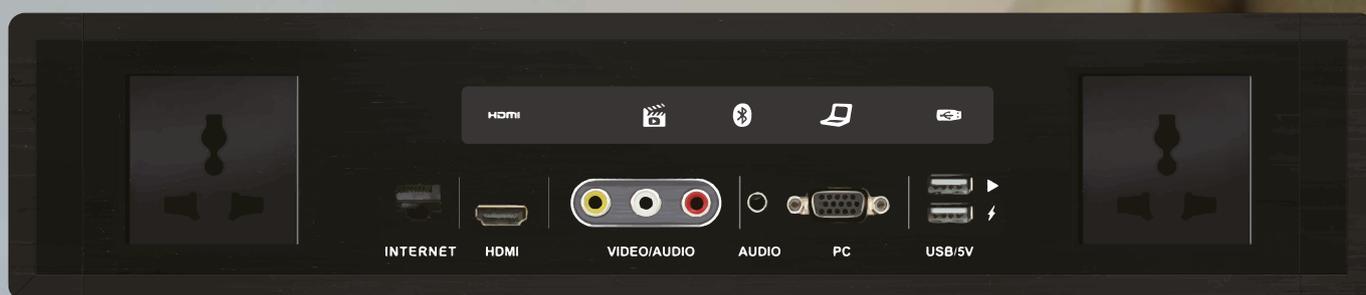
- **Smart M HD Metal - BD**  
Dimensions (WxHxD): 255x85x68mm
- **Smart M HD Metal - 230BD/T**  
Dimensions (WxHxD): 405x85x68mm

Hotel Easy Connect Smart M allows connections of analog and digital AV signals to the TV / screen via an HDMI connection. All incoming signals are converted via HDMI Scaler to 720p or 1080p.



### Technical features Smart M HD Metall - BD

- HDMI Input (Front)
- HDMI input (back)
- Composite AV input
- Analog audio (3.5mm stereo jack) input
- VGA (RGB) input
- USB charging 2A/5V
- Connection for external docking station (iPod / iPhone / iPad)
- Wireless Bluetooth
- Signal detection and automatic switching possible
- TV Control via RS232 or CEC -
- Touch buttons for manual control
- 1x RJ45 internet connection
- Plug & Play installation and operation



Little black dressed!

# Mini+Move

**Mechanically or electrically opening, these small connector panels require little space on the table.**



## Mini+Move HTA S260

### Mechanically retractable connector panel

The MTA G200 presents itself in a high quality and elegant design, the build quality is immediately apparent. The circumferential chamfer on the lid frame completes the design of the MTA G200 design. This allows a clean placing of the frame on tables or other furniture. A milling of the table top is not necessary.

After a slight pressure on the cover of the entirely in black held HTA S260, the connector plate moves mechanically out of the table.

The doubly angled connector plate of black Plexiglas designed in an unusual design is a special eye-catcher in your conference room and gives a view to the following connection options free:

- 2x 230V Schuko power socket
- 2x LAN
- VGA & Audio
- HDMI

All connections have a fixed labeling.



#### Dimensions

Width x Height:	260mm x 165mm
Cutout:	215mm x 130mm
Mounting depth:	140mm

Everything at the device was placed on durability. The connection box is designed for 20,000 cycles



## Mini+Move MTA G200

### Motorized Desk Connector Panel

The MTA G200 presents itself in a high quality and elegant design, the build quality is immediately apparent. The circumferential chamfer on the lid frame completes the design of the MTA G200 design. This allows a clean placing of the frame on tables or other furniture. A milling of the table top is not necessary.

The design of the MTA G200 is kept completely in black. The buttons are integrated into the frame and illuminated in blue. After a slight pressure on the keys, the MTA G200 moves out or in. The illuminated buttons make operation in darkened rooms easy.

The straight connector plate made of black plexiglas gives a view of the following connection options free:

- 1x 230V Schuko power socket
- 1x LAN
- VGA & Audio
- HDMI

All connections have a fixed labeling.

Everything at the device was placed on durability.



#### Dimensions

Width x Height:	200mm x 130mm
Cutout:	190mm x 120mm
Mounting depth:	140mm



## Mini+Move MTA S200

### Motorized Desk Connector Panel

The MTA G200 presents itself in a high quality and elegant design, the build quality is immediately apparent. The circumferential chamfer on the lid frame completes the design of the MTA G200 design. This allows a clean placing of the frame on tables or other furniture. A milling of the table top is not necessary.

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The straight connector plate made of black plexiglas gives a view of the following connection options free:

- 1x 230V Schukopower socket
- 1x LAN
- VGA & Audio
- HDMI

All connections have a fixed labeling.

Everything at the device was placed on durability.



#### Dimensions

Width x Height:	200mm x 130mm
Einbauausschnitt:	190mm x 120mm
Mounting depth:	180mm



# Automatically out of the table

## KOMTECH microphone lift appears by pushing the microphone button

The microphones are always there when you need them - permanently installed - but only visible, if you really need them.

Every video conference can start on time - without the time-consuming providing of the technology previously. About the integrated interface for media control, the microphone will be as if by magic out and retract - only by pushing a button.

There are no protruding Microphones, which interfere, if their function is not needed. By frameless integration into the table top, the installation is only via a narrow line visible.

The solution can be integrated easily into every furniture and of course also be adjusted in the design.



Photo: OEM variant microphone lift with beyerdynamic microphone



## KOMTECH microphone lift appears by pushing the microphone button

The KOMTECH Microphone lift unit is also the depot for the microphone. With this automated solution, you have the Microphone always at hand when it is needed.

### Technical features:

- Can be controlled via keyboard or serial interface.
- Up to 16 lifts can be operated by addressing on a serial interface.
- Optional surface mount without seamless integration with raised edges (on the table top) or (frameless) integrated, flush mounted solution possible
- Suitable for microphones from various manufacturers (e.g., beyerdynamic SONUS, Clock Audio, etc.)
- Approx. 120mm movement space (microphone height) - Other sizes available on request
- Required installation space under the table top (WxL) 130mm x 180mm
- Installation depth approx. 280mm



Photo: Standard variant microphone lift with SONUS microphone

Photo: OEM variant microphone lift with beyerdynamic microphone



Just press the button

# Control Equipment



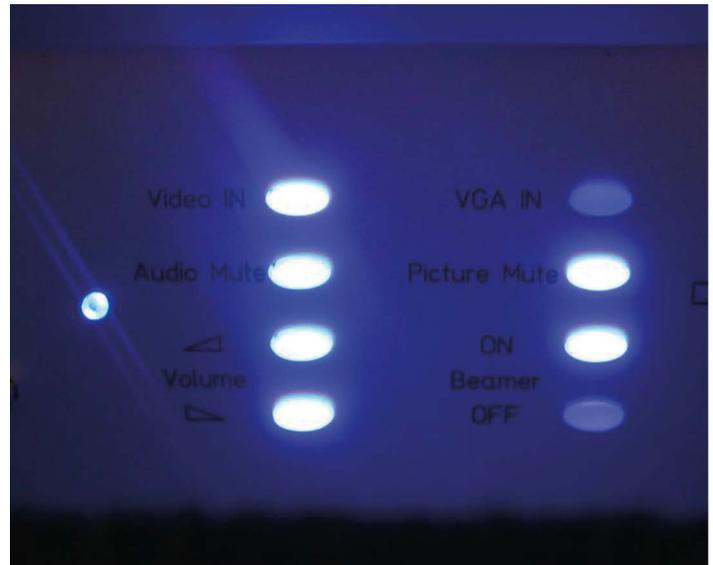
## PI/O-Control Equipment

KOMTECH PI/O control technology is a product family for small media controls. The control system is a high flexible, economic customized solution which leaves nothing to be desired in construction and design. Mainly individual installation possibilities pointed out PI/O control technology.

As a conference room control, beamer control or simply as a media control. PI/O control technology is integrable in nearly every environment and easy programmable with a simple, enclosed configuration software.

Different macro functions, like „Power-On“ and „Power-Off“ sequence, Toggle function, Push / Release function, several locking device levels and temporal command delays are only examples for the many individual possibilities, which you can use for your own PI/O project programming. PI/O control technology has two RS232 interfaces. Both Ports can be controlled at the same time.

The system can be extended with a relays box whereby room functions like controlling a screen can be realized with. Depending on the project external relays are able to operate interlocked independent or against each other.



The KOMTECH PI/O control technology includes:

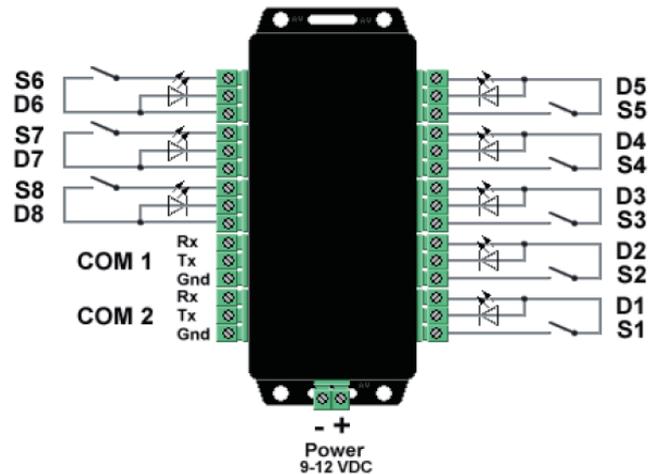
- PI/O-08-LED
- PI/O-08-TA
- PI/O-08-DP
- PI/O-SW-WINPIO
- PI/O-PS-2
- PI/O-Wk 19“

PI/O-08-DP (black) customized using example integrated in a Design Profil



## PI/O-08-LED

- 8 keys with feedback LED suitable for connection
- 2x RS232 outputs
- Cascadable
- Configuration software
- Free command allocation
- „Push/Release“ or „Toggle“
- Opposite key interlocking adjustable about software
- Power supply about RS232 or external power supply unit



### Technical Data

Shelf dimensions (W x H x D)	125mm x 25mm x 50mm
Operation temperature	5 - 45°C
Weight	0,2kg

### General

Number of inputs PI/O-04-LED & 08	8x RIA 2pin connector
Number of outputs PI/O-04-LED & 08	2x 9pin Sub-D male
Number of inputs PI/O-08-LED & 16	8x RIA 3pin connector
Number of outputs PI/O-08-LED & 16	2x RIA 3pin connector

### Key Mode

„Push/Release“ key function  
 „Toggle“ key function  
 Key locking

### RS232 Interface

Baud rate	9600, 19200, 38400 Baud
Data-Bit	8
Parity-Bit	None
Stopp-Bit	1
Number of commands	Per 1 Push/Release command per input and RS232 interface
Length of commands	31 figures

### Power Supply

KOMTECH units	5V about PIN 9 from RS232 interface by PI/O-04-LED & 08
Other units and configurations	External power supply 9-12V

### Included in delivery

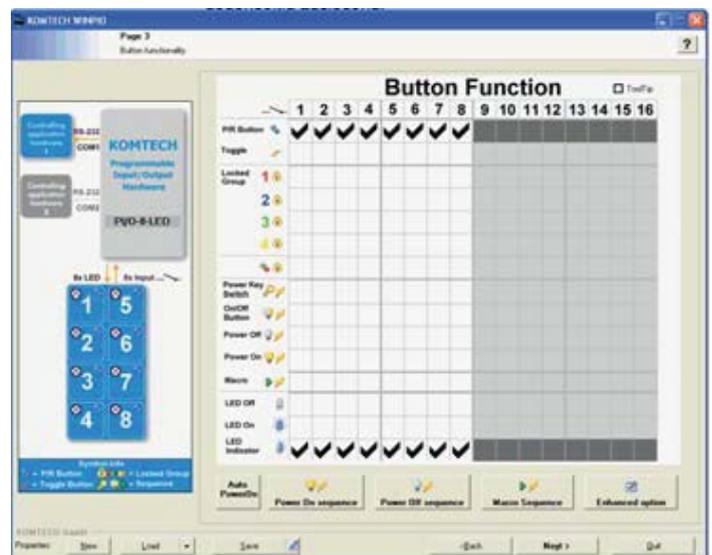
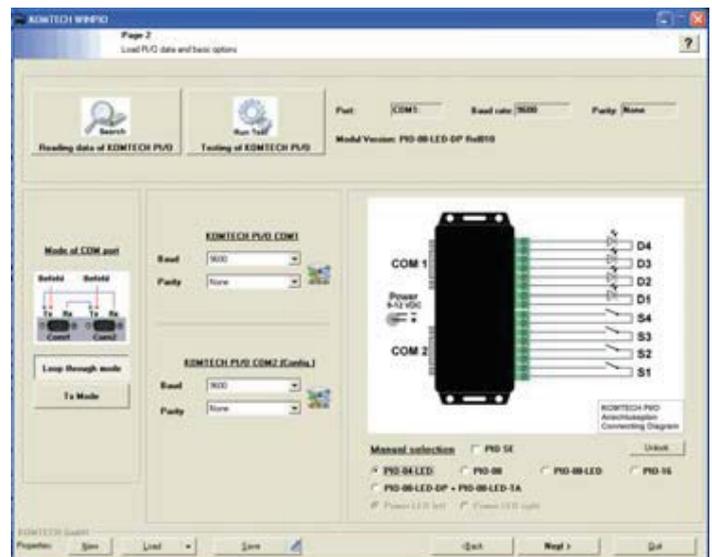
8x RIA 2pin or 3pin connector  
 Configuration software WINPIO LE  
 Operating instructions  
 External power supply

# PI/O-SW-WINPIO

Software upgrade of PI/O functionalities with:

- 4 further locking groups
- „Power Key Switch“ funktion with integrated key locking and time management
- „Power ON/OFF“ funktion with time management
- Macro function with time management

Here some example out of WINPIO software:



## PI/O-Wk / 19“

### Control technology in variable form > PI/O Wk/ 19“ by KOMTECH

As a system integrator, the decision in which form and place the control technology has to be mounted isn't always yours. With PI/O Wk/ 19“ this question is easily answered. By using the very compact basic module ([W x D x H] 120mm x 50mm x 35mm) mounting place isn't a problem. It doesn't matter if it is a simple connector plate, a custom-fit extra panel in media furniture, in a wall duct, a 19“ rack or as a control in light switch frame program. There are not a lot of bounds for customer ideas and with the PI/O Wk/ 19“ the ideas are solved easily.

- 8 buttons with blue LED feedback and individual labeling
- Control of 2 RS232 devices
- Integrated power supply
- Cascadable
- Free command configuration
- „Push/Release“ or „Toggle“ key function
- Opposite key locking adjustable via software
- Easy, intuitive control setup via enclosed software

Easy shelf  
construction with  
WinPlan 2

#### Technical Data

Shelf dimensions (W x H x D)	130mm x 50mm x 40mm
Operation temperature	5 - 45°C
Weight	0,3kg

#### General

Labeling	free definable
Standard mounting	1x 5pin (2x RS232) 1x 3pin (0 / +5V)

#### Key Functions

„Push/Release“ key function  
„Toggle“ key function  
Key locking  
Macro function  
Power „ON/OFF“ function

#### RS232 Interface

Number of Connector	2
Baud rates	9600, 19200, 38400 Baud
Data-Bit	8
Parity-Bit	None
Stopp-Bit	1
Number of commands	1 „Push/Release“ command per input and RS232
Length of commands	31 figures

#### Included in delivery

Configuration software WINPIO SE  
Operating instructions  
Low heat device cable

## Plasma Display

Ein 

Lauter 

Aus 

Leiser 

PC1 

Video 

PC2 

PC Adjust 

## PI/O-08-TA

### Basic configuration:

- Connector panel T-300 aluminium brushed
- With standard mounting (see technical data)
- Customized button gravure (max. 10 figures/button)
- WINPIO-SW LE (full functional range)
- 8 keys with LED feedback and individual labeling
- Control of two 2 RS232 units
- Cascadable
- Free command allocation
- „Power On“-LED
- „Push/Release“ oder „Toggle“ function
- Opposite key locking adjustable about software
- Power supply via RS232 or external power supply
- Easy, intuitive setup of control about enclosed software



### Technical Data

Dimensions AF-TA T-300 (W x H x D)	300mm x 200mm x 108mm
Mounting cut-out (W x H)	280mm x 180mm
Operation temperature	5 - 45°C
Weight	1,86kg

### General

Labeling	Free definable
Connector Panel	T-300 with aluminium brushed surface
Standard mounting	1x 230V Schuko 1x VGA as feedthrough 1x Cat5e as feedthrough 1x 3,5mm stereo plug as feedthrough

### Key Mode

„Push/Release“ key function  
 „Toggle“ key function  
 Key locking  
 Macro function  
 „Power ON/OFF“ function

### RS232 Interface

Number	2
Connector	9pin Sub-D on unit backside
Baud rates	9600, 19200, 38400 Baud
Data-Bit	8
Parity-Bit	None
Stopp-Bit	1
Number of commands	1 Push/Release command per input and RS232 interface
Length of commands	31 figures

### Power Supply

Internal

### Included in delivery

Configuration software WINPIO SE  
 Operating instructions  
 Low heat device cable  
 Mounting set for desk connector panel

### Further Options

Free choice of surface, like Corean or any RAL colour  
 T-380 or T-520 possible as mounting basic  
 Further standard mounting available on request  
 Further LED colours: yellow, white, red

# PI/O-08-DP

## Basic configuration:

- Connector panel table box DP 230
- With standard mounting (see technical data)
- Customized button gravure (max. figures/button)
- WINPIO-SW LE (full functional range)
- 8 keys with LED feedback and individual labeling
- Control of 2 RS232 units
- Cascadable
- Free command allocation
- „Power On“-LED
- „Push/Release“ or „Toggle“
- Opposite key locking adjustable about software
- Power supply about 2x RS232
- Easy, intuitive control setup about enclosed software



## Technical Data

Dimensions DP 230 (W x H x D)	240mm x 115mm x 76mm
Operation temperature	5 - 45°C
Weight	1,86kg

## Labeling

Connector Panel	Free definable
Standard mounting	DP 230
	1x 230V Schuko with 2,5m cable
	1x VGA as feedthrough with 2,5m cable
	1x Cat5e as feedthrough with 2,5m cable
	1x 3,5mm stereo plug as feedthrough with 2,5m cable

## Key Mode

„Push/Release“ key function  
 „Toggle“ key function  
 Key locking  
 Macro function  
 „Power ON/OFF“ function

## RS232 Interface

Number	2
Connector	9pin Sub-D on 2,5m cable
Baud rates	9600, 19200, 38400 Baud
Data-Bit	8
Parity-Bit	None
Stopp-Bit	1
Number of commands	1 Push/Release command per input and RS232 interface
Length of commands	31 figures

## Power Supply

Internal

## Included in delivery

Configuration software WINPIO SE  
 Operating instructions  
 Low heat device cable  
 Mounting set for desk connector panel (clamping feed)

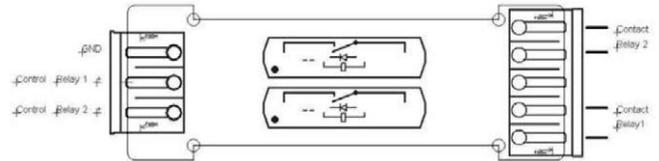
## Further Options

Free choice of surface like Corean or any RAL colour  
 Further standard mounting available on request  
 Further LED colours: yellow, white, red

## PI/O LS2 Low Power Switch

Relay box for an isolated activation of  
Screen, blind or projector ceiling lift. control  
two volt-free contacts.

- 2x floating contact
- Ansteuerung 0/+5V
- ContaCt 48V/0,3A bzw. 24V/0,06A
- screw terminals



### Technical Data

Unit dimensions (W x H x D)	87mm x 87mm x 45mm (without cable feeding)
Operating temperature	5 - 45°C
Weight	0,022kg

<b>Control</b>	Min. 3,3V; max. 7,5V Ri = 500 Ohm
----------------	--------------------------------------

<b>Contact rating</b>	48V/0,3A bzw. 24V/0,6A
-----------------------	------------------------

<b>Power Supply</b>	Internal
---------------------	----------

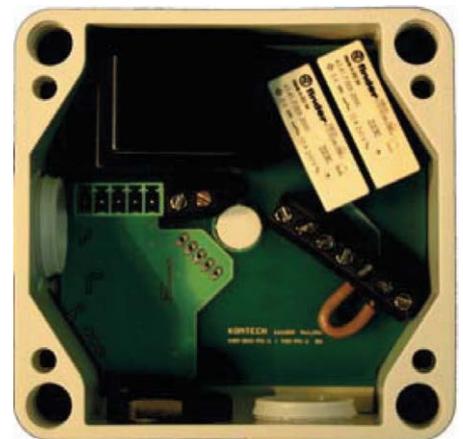
## PI/O-PS2

### Extension module for media control systems

How to actuate a motor-driven screen that is mounted at the ceiling? KOMTECH offers a simple solution with PI/O PS-2.

The module has two resistant 230V relay. Both relays can act independent as well as change-over relay. Because control happens via potential-free contacts there is no use of a network port or a RS232 port of a media control. The application in nearly every media control system ambience is warranted.

Rough mounting ambiances are not a problem, because the complete electronic is situated in a rugged but easy-to-handle IP54 protected in-wall housing.



### Technical Data

Unit dimensions (W x H x D)	87mm x 87mm x 45mm (without cable feeding)
Operating temperature	5 - 45 °C
Weight	0,32kg

<b>Contacts</b>	
Power rating	250V / 10A
Number of relays	2

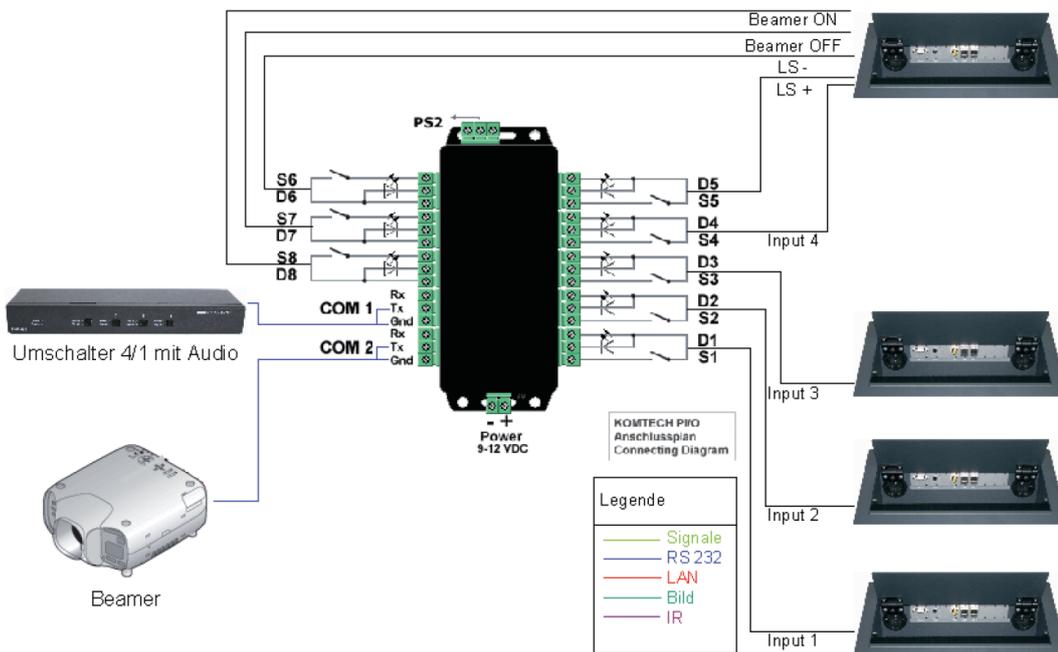
<b>Control</b>	
Via	Contacts
Power rating	0 - 5V

<b>Power supply</b>	Internal
---------------------	----------

## Examples of use 1

### 1. Mediaroom with 4x desk connector panel, beamer and switcher

General description - In a meeting room the video and sound signals of 4 connector panels shall be routed through a switcher displayed by a beamer. A desk connector panel acts additionally as a master control. It switches "ON" and "OFF" the beamer and adjusts the switcher volume. For every function there is a button provided in the respective desk connector panel. The PI/O 08 LED is separat placed from the connector panels at the switcher.



By pushing the „Beamer ON“ button a starting macro is activated. Following functions are enclosed:

- Beamer is switched on
- After warm-up time the beamer is placed on the correct input
- The switcher is placed on Input 1 and the LEDs are activated
- All buttons are free for operation

If the system is activated you can switch the respective vision via the beamer buttons „Input 1“ to „Input 4“.

Thereby a „Look at Me“ functionality can be configured. While the system is activated, the volume is adjustable with the switcher buttons „LS+“ and „LS-“.

By pushing the „Beamer OFF“ button an ending macro is activated. Following functions are enclosed:

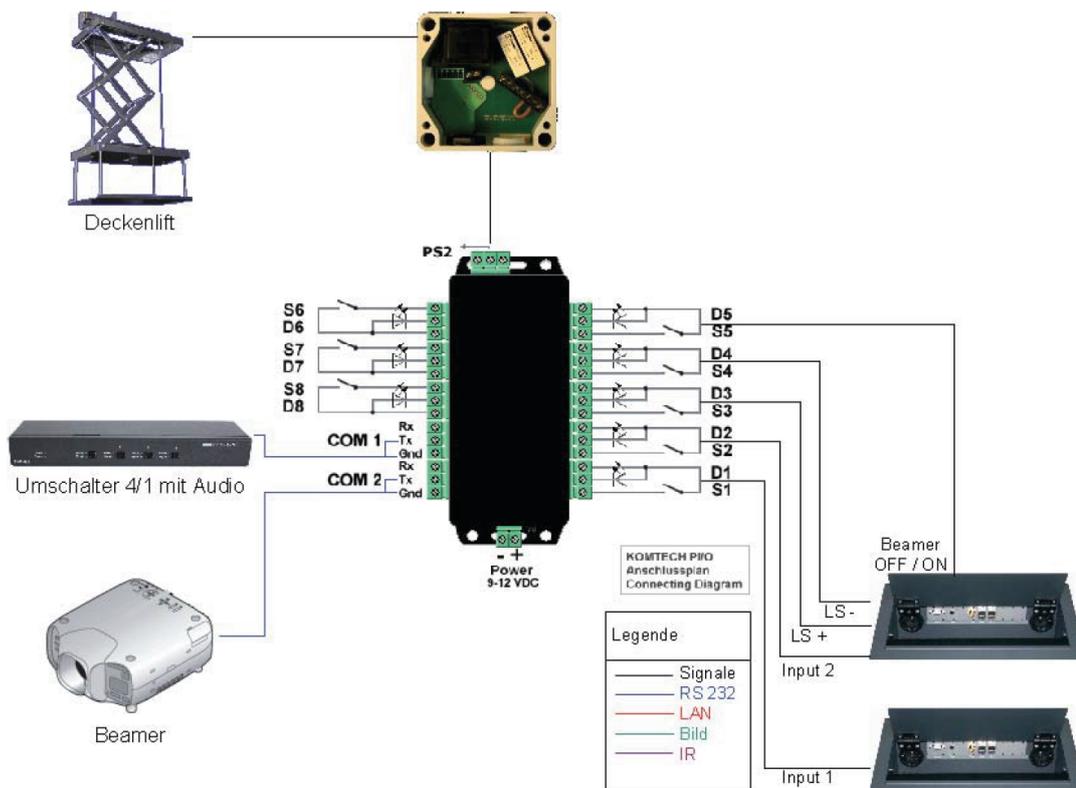
- Beamer is switching-off
- All buttons are locked and the „Beamer OFF“ LED flashes
- After cooling-off time the „Beamer ON“ button will be unlocked.

## Examples of use 2

### 2. Media room with 2x desk connector panel, ceiling lift, beamer and switcher

General description: In a conference room several remote controls are replaced by a PI/O control to establish an intelligent but simple to use room. We have following specifications:

- If the room is unused the A/V devices should be as invisible as possible
- The A/V devices are activated by pushing a „Power ON“ button
- The inputs are switched through a „Look at me“ functionality by pushing the specific buttons at the desk connector panels
- Volume control by two buttons
- By leaving the room the system is shut down via a „Power OFF“ button



By pushing the „Beamer ON“ button a starting macro is activated. Following functions are started:

- Beamer is switched on
- Ceiling lift is moving out
- After warm-up time the beamer is placed on the correct input
- The switcher is placed on Input 1 and the LEDs are activated
- All buttons are free for operation

If the system is activated you can switch the respective vision via the beamer buttons „Input 1“ to „Input 2“. Thereby a „Look at Me“ functionality can be configured. While the system is activated, the volume is adjustable with the switcher buttons „LS+“ and „LS-“.

By pushing the „Beamer OFF“ button an ending macro is activated. Following functions are started:

- Beamer is switching-off
- All buttons are locked and the „Beamer OFF“ LED flashes
- Ceiling lift is retracted
- After cooling-off time the „Beamer ON“ button will be unlocked

# KomTrans RS232 Code Translator

**You know the problem?**

**You just want to share just a beamer, which is controlled by a media control via an RS232 interface, but you lack the knowledge to program the existing media control?**

**We offer you a simple solution:**

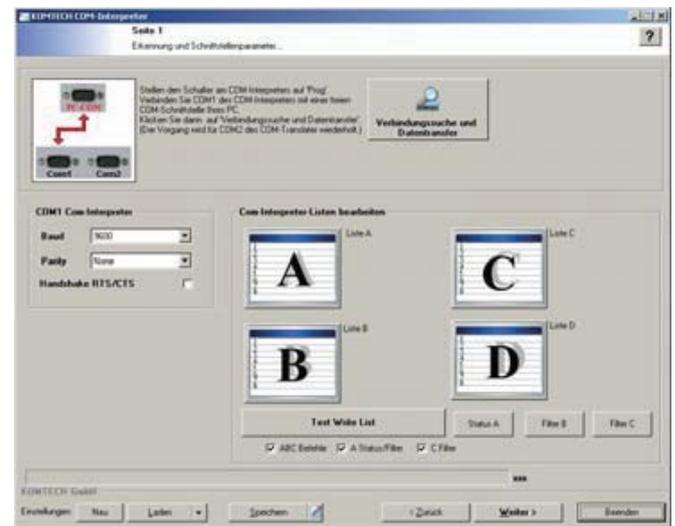
The KOMTECH Komtrans RS232 code translator.

This little tool translates up to 32 commands a device (eg projector, plasma, etc.) into the code of a new device.

The commands are converted as in a dictionary. The interface is bi-directional design so also 32 codes of the new device can be transferred back to the controller.



If the new device does not give feedback so they can be created and given a simulated automatic response to the controller. Each command can be up to 31 characters and is entered in ASCII or HEX format. A simple, intuitive software helps you to make the programming in a short time. The device comes with external AC adapter and two RS232 connection cable supplied. The compact dimensions make it possible in almost any position possible.



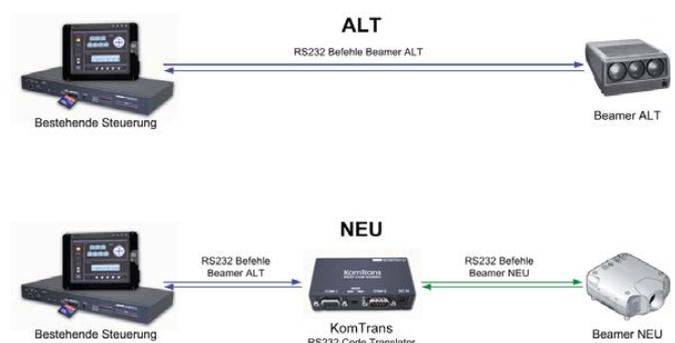
## Technical Data

Dimensions (W x H x D)	94mm x 24mm x 56mm
Power supply	7-12v DC / 10mA
Operating temperature	5-45°C
Baudrate	4800, 9600, 19200, 38400 Baud
Parity	None, Odd, Even, Mark, Space
Format	8 Data-Bits, 1 Parity-Bit, 1 Stopp-Bit
Handshake	None, RTS/CTS
Command management	32 incoming commands per port 32 outgoing commands per port maximum 31 characters per command
Command syntax	ASCII and HEX

## Included in delivery

230V power supply  
2 x RS232 connecting cable  
Software CD

## Example of use:



# Automatically return into the table

## KOMTECH Motorized Cable Retractor

The KOMTECH motorized cable retractor managed the connector cables where they are needed.

With the help of an unique cable guide the cable can be pulled out easily up to 70cm. Because of its electromechanical design the cable will be removed automatically with constant power after use by touching an button with constant power. Same quality for more than 1000 uses.

When the cable is moved back to its basic position a watchdog unit looks if there is anything that handicaps the cable.

The cable retractor is an perfect complement for KOMTECH connector panels. Installation options: horizontal or vertical.

Cables for following signals be supported:

- VGA
- Audio
- HDMI
- CATx
- Display Port
- USB 2.0
- DVI

The foundation is an universal cassette without cables.

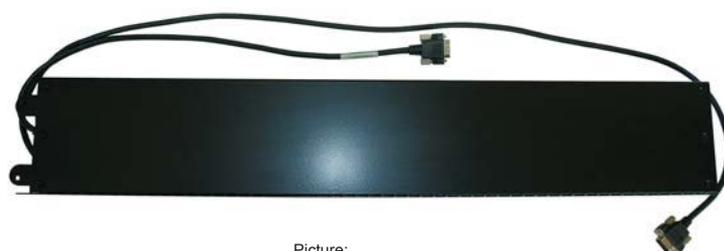
Cable configuration is optional of customers request.

### INFORMATION:

**Every cable requires its own cable cassette!**



Picture:  
Connectors



Picture:  
Top view on the cable cassette  
with VGA cable

### Technical data

Dimensions cable cassette (LxHxB)	660mm x 125mm x 42mm
Weight	4kg
Power connection	110V - 240V AC / 50-60Hz

### Accessories

Connector for button or external control  
Mounting brackets  
External power supply

Picture:  
Mounting bracket for  
vertical mounting



Picture:  
Mounting bracket for  
horizontal mounting

## KOMTECH Manual Cable Retractor

The cable can be pulled out by hand up to 70 cm and with a slight "jerk" in the desired position to be stopped or recovered. **Vertical mounting only possible!**

Each cable requires a separate cable box!

The cable assembly is optional on customer request.

The mounting brackets are included



Example:  
Desk connector panel T-300 with customized cable configuration, push buttons in stainless steel optics and two Schuko power socketw.  
The motorized cable retractor disappears invisibly behind the connector panel and under the table.



Picture:  
Mounting bracket 90°

**You have questions?**

**Or other different, individual ideas?**

► **Our sales team will be pleased to help you!**

# Cable Technology

For all signal types the appropriate cable



## Installation cable Digital



## Wall connections



## Installation cable Digital

Simply insert into empty tubes, raised floors, suspended ceilings and manholes without soldering or assembly.

The small diameter of only 19mm allows in combination with a stable full metal connector the unproblematic use in harsh environments (for example, in the shell). The cable is suitable for empty tubes to EN32.



### Features:

- A circular connector also allows subsequent installation in ducts
- Highly flexible HighEnd cable AWG24
- UL or rather CL3 / FT4 Rating
- Cable length up to 50m possible
- Standard lengths (m): 5 / 10 / 15 / 20 / 25 / 30 / 35 / 40
- Flexible use of HDMI and DVI
- Optional parallel with analog audio or IR
- Connectors made of metal
- Cable adapter with built-in booster available

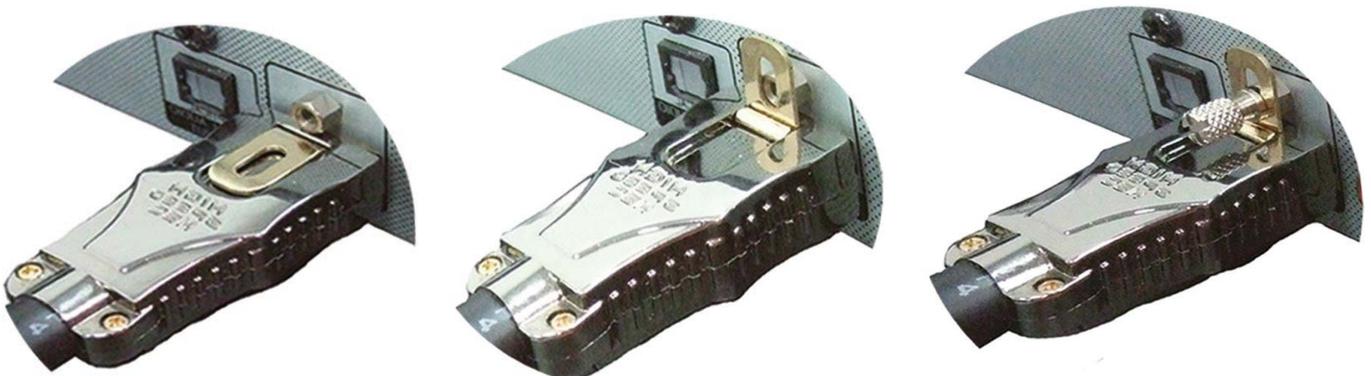
For installation all the required versions are also be available for the direct installation in a desk connector panel (table, wall, floor, etc.).

Optional are be available cable equalizer for long distances or unfavorable source / drain configurations.

Through a variety of adapters can be transferred different signals:  
HDMI, DVI, HDMI + analog Audio, DVI + analog Audio; HDMI + IR, DVI + IR etc.



Of course, the HDMI connectors can be secured on both sides with retractable screw-eyelets against falling out.



## Installation cable Digital

Set of 2 connector plates 8TE for vertical and horizontal installation in the module carrier with an outbreak for 1x HDMI HSX

Item No. 06006788 without audio

Item No. 06006789 with audio (no figure)

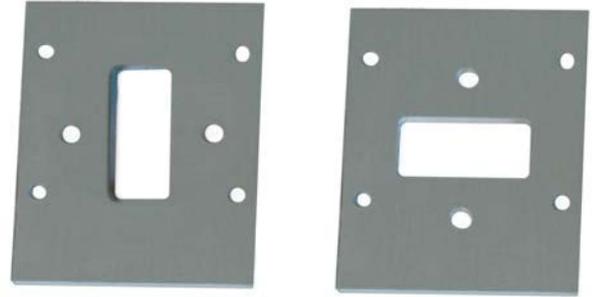


Figure shows set 06006788 without audio



### Item No. 02000537

Gender-Changer HDMI female/female (HDMI feedthrough) with double-sided mounting option. 90° angle.

### Item No. 02000538

Gender-Changer 90° HDMI female/female with securing (HDMI to 19pin)

### Item No. 04002063

Installationcable WPTB-H  
HDMI Breakout (Panel)  
With Booster  
HDMI Highspeed with Ethernet  
AWG24 \* CL3/FT4  
Length: 0,3m



### Item No. 04002060

Installationcable WPTC-H  
HDMI Breakout (Panel)  
HDMI Highspeed with Ethernet  
AWG24 \* CL3/FT4  
Length: 0,3m

### Item No. 04002064

Installationcable WPTCB-Hx  
HDMI Breakout with 3,5 Audio (Panel)  
With Booster  
HDMI Highspeed with Ethernet  
AWG24 \* CL3/FT4  
Length: 0,3m



### Item No. 04002061

Installationcable WPTC-Hx  
HDMI Breakout with 3,5 Audio (Panel)  
HDMI Highspeed with Ethernet  
AWG24 \* CL3/FT4  
Length: 0,3m

## HDMI HSX Series

### HDMI Cable Highspeed with Ethernet KOMTECH HSX Series

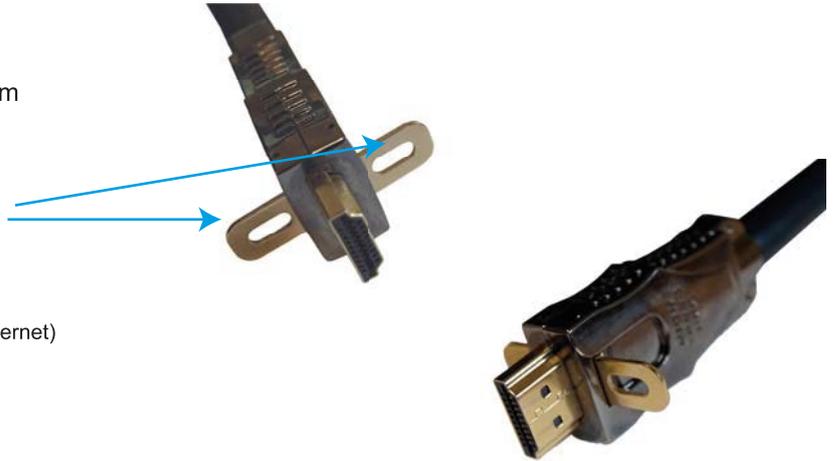
in the lengths 3m, 5m, 7,5m, 10m, 15m, 20m, 25m

=> With retractable screwed-on eyelets on both sides

- Gold plated contacts
- High flexible cable with extra large diameter AWG 24
- Supports HDMI 1.4 standard signals (Highspeed with Ethernet)
- Ultra dense triple shielding
- Black PVC sheathing
- CL3 / FT4 certified

#### INFORMATION:

Depending on source and used hardware function could be affected at lengths about 10m.  
At length > 10m we recommend to use one of our HDMI repeater.



## HDMI Cable Nylon Series

#### Properties:

- 30AWG
- PVC sheathing inside
- Nylon sheathing outside
- HighSpeed with Ethernet
- Solution up to 4k x 2K
- 24k gold plated connector
- 99,99° Oxygen free

Available in following length: 1m, 2m, 3m



Double-sided labeled with  
KOMTECH and HDMI

## DisplayPort Cable

**DisplayPort Cable, fully equipped male / male**  
in the lengths 0,5m, 1m, 2m, 3m, 5m

**DisplayPort Cable installation female / male**  
in the lengths 3m, 5m

**DisplayPort Cable installation female / female**  
in the length 0,3m

- Cable colour: black
- Labeled



**With us you will also receive cables and adapters suitable.  
Talk to us!**

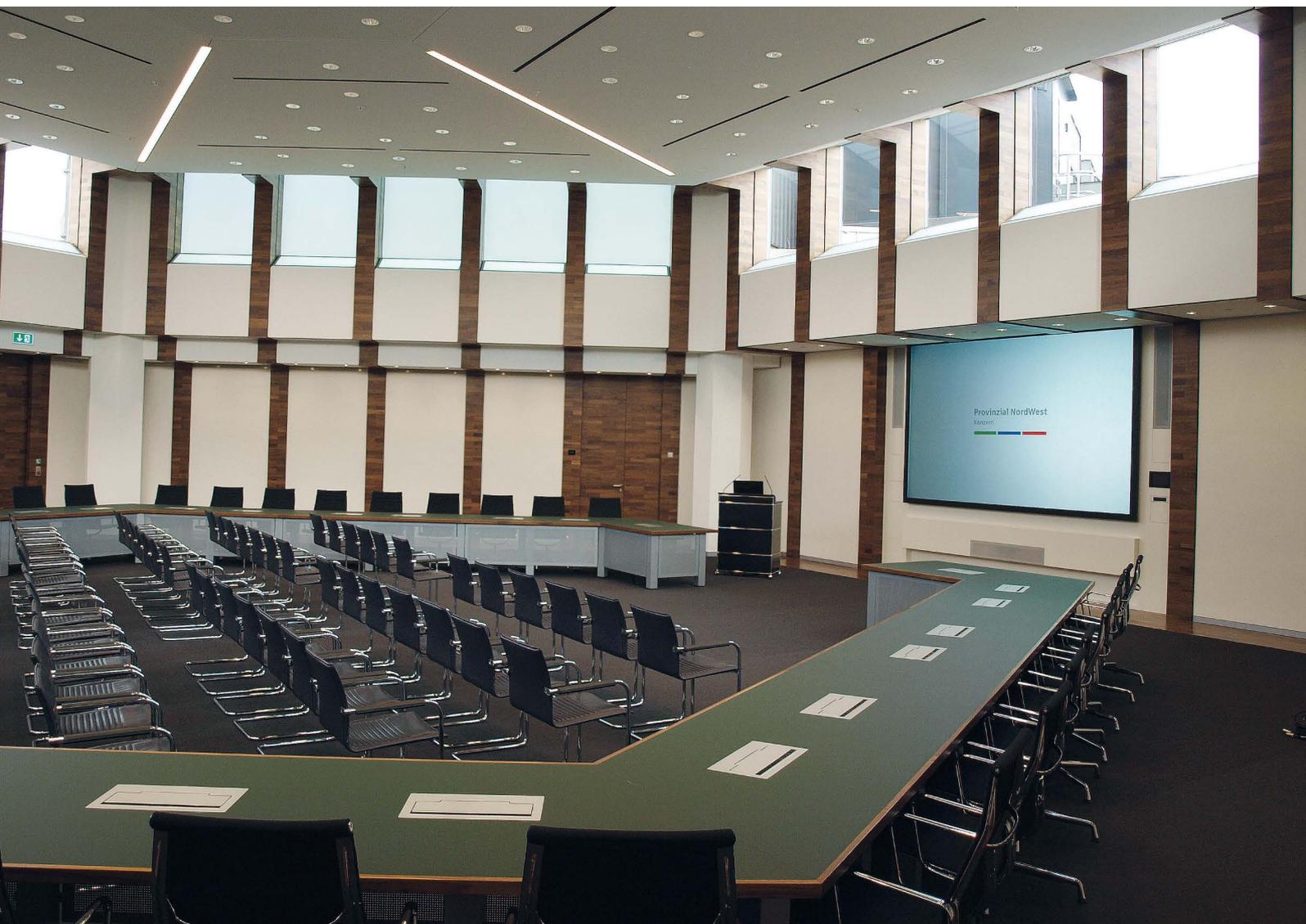
Technically everything is possible. But not everything, what's technically possible is also practical.

© Martin Oppermann

KOMTECH think through.  
You have a complex requirement!  
We solve it – fast, usefull and user-friendly.

We are working integrated and satisfy your individual demand.

 KOMTECH



## The connector panel integrated as a design element in office furniture.

We provide our customers tailored solutions for the sophisticated design claim. With our customers together developed designs provide exclusivity and the decisive use for office furniture of today and tomorrow. At all KOMTECH connector panels the connection is made where it is needed.

There are no extension cables which are dangling under the table, no more bending down to the ground and no untidiness. If all plugs are connected, the cover can be closed. No open or visible connectors disturb the optics.



Pictures: With the kind permission of Holzmedia GmbH.



Aluminium processing by KOMTECH



„It is not sufficient that  
technology works.  
It also has to be suitable in  
the world.“

© Gero von Randow

Your conference room is a place where you often  
take necessary decisions and you have to be sure  
that there is an working environment.

We of KOMTECH assure you that you have reached  
the right decision with us.

 KOMTECH



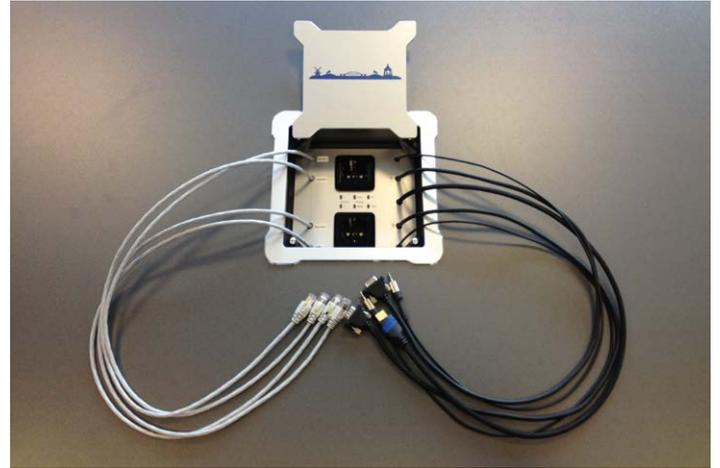
## Project: Volksbank Mindener Land

### Renovation and media technology update of the meeting rooms

**Claim:** The desktop connections should be accessible from all sides and the cables - easy to store - always be present in the room. The entire media technology, such as the desktop PC, the media control, as well as cable and switch should be stowed under the table and be easy to use.

**Implementation:** The company Fleischhauer of Hanover, which should provide for the planning and implementation, found in media technology specialist KOMTECH and furniture manufacturer Rhode & Grahl the right partners to implement these requirements.

KOMTECH integrated into the proven connector field Skytower up to 9 electromotive cable retractors per connection field.



Under the table receptacles were installed to secure the cable retractors in which the above technique could be accommodated. In one room up to 17 cable retractors can be controlled by media control via an RS232 connection.

Driving all cable retractors in a room is only one button - it's that easy! In order to incorporate the CI of the bank, the logo of Volksbank Mindener Land was printed on the cover of the connection fields for optical rounding.



The more possibilities technology offers, the more important it becomes to strive for simplicity.

Complicated technology must be combined with user-friendly operation. Not vice-versa.

© Prof. Dr. Hermann Simon

That is how we work. We make technology simple, so that it can simplify your life. Our individual solutions are internationally very much appreciated and highly regarded.

We make quality simple.  
We simply make quality!

 KOMTECH



## Project: Romeo & Julia

**Noble and intelligent media technology for the international lawyer Wilmer Hale in the Frankfurt office complex "Romeo & Juliet".**

Press Release: ... at the tables reached a cooperation between three partners. Thonet, who built the tables, frankly admits: "We are pure carpenters - we can not build connector panels.

Here we need the help of professionals." This is where the company KOMTECH as a longtime partner of AVS Lilienthal takes over, specializes in tricky installation solutions and extensive electronics.

The results were connector panels with flair - for the noble look provides, among other things, the whitened plexiglas plate on the connector panel, which offers an extensive equipment...



# „Every little bit counts.“

© Andreas Bellof

Sometimes the most insignificant little screw is the deciding detail in one of our products.

We will attend to it!

 KOMTECH



## Project: Vallon GmbH

"In the conference room of the company Vallon GmbH Enin-  
gen - six motor connector panels of our Basic Series with  
classic wiring (switch) were installed in cooperation with the  
system integrator VKT from Pfullingen."



„The best way to predict the future is to create it.“

© Willy Brandt

Even in the exiting area of communication future tomorrow is already the past.

We of KOMTECH have understand this time travel.

**KOMTECH**



## Project: Hungarian Competition Authority, case study

It is always a great challenge for the system integrator to plan and implement modern AV technology in a listed heritage building while making sure that it perfectly integrates into its environment regarding both its function and appearance.

The Hungarian Competition Authority made a decision this year to have the lower part of its old and tarnished building constructed in 1869 converted and restored.

The tasks of planning, interior design and technical inspection were performed by KROKI architectural studio, whose associates have been awarded several architectural prizes in the past decade.

In coordination with the Hungarian company GALAX Kft, Budapest, which was responsible for media equipment, KOMTECH has built a special form to the specifications of KROKI, of the connector panel SE160. For a round overall picture, the terminal fields were adjusted with a special finish exactly on the stainless steel surfaces of the fittings supplied by Bosch and Albiral.

The finely elaborated KOMTECH desk connector panels are situated between the monitors, also concealed in the table, encasing the individual cables.







## KOMTECH - Partner for good design

The careful handling with design qualities of high-quality office and conference furniture have made us a reliable partner for industry.

**Connector panels - Made in Germany**





## Project: IPIC

Connector Panels for the IPIC Square, Emirate of Abu Dhabi

**At the headquarters of IPIC, the in 2012 built IPIC Square, KOMTECH technology was used in the conference rooms and meeting areas.**

Among the flush inset to the table surface flaps connections for power and VGA + Audio, LAN and HDMI connection cable with motorized cable retractors are integrated. These connection cables can be individually removed and inserted again by dedicated keystroke.

The connection panel was made in PLENUM quality. Although the cable retractor had to be mounted vertically behind the connector panel, KOMTECH installed the technology with a frictionless cable run.

All parts was as far as preassembled, that a quick and simple installation could take place in the tables of JMM on site.



## Project: IPIC

Connector Panels for the IPIC Square, Emirate of Abu Dhabi



## Project: Stadtwerke Herborn

Installation of technical media devices for the meeting rooms in the new headquarter

### The convertible meeting space.

For space-saving storage of unneeded tables Knorz planned with the Confair folding table Wilkhahn. The almost combinable table situations presented a particular challenge for the integration of media technology. Each table should have a connector panel.

An ideal requirement for KOMTECH Easy Connect field - because the tables are easily connected from point to point with only one CAT-line and a Power-Con cable. This has happened not only fast, but also provides for a considerable state below the tabletop. No cables lying on the floor, tangled in the feet or eyes.



The connector panels are mounted under a flush inset to the table surface Wilkhahn hinge flap. Thus, the work area can be used over the entire surface - with or without technology on the table.

**Media Technical Cooperation:**  
Hirzler & Sohn GmbH, Frankfurt



# Project: Stadtwerke Herborn

## Basic requirements:

- Different workspaces
- Mobile table system that can be put together according to requirements
- Easy table system for small storage space
- Easy to use
- Easy wiring ensures quick assembly and remodeling
- Technology must be installed in the respective table

## Implementation:

- Wilkhahn Confair folding table
- Table flap from Wilkhahn coached by KOMTECH
- Connection box with Easy Connect Technology under the tabletop
- Easy wiring since only two cables required (PowerCon and CAT)
- By Daisy Chain Interconnection > greatest possible freedom in the table structure
- Connections in the bottom tank for ceiling projector / fixed screens
- Integration of Apple TV and other playback devices through Scaler
- Switching between table system and other playback devices at a "master" connection panel of the Easy Connect system

## Planning and installation:

Knorz Bürosysteme GmbH, Wetzlar



## 1982: KOMTECH Kommunikationstechnik GmbH was established

As a result of the constantly increasing demand, KOMTECH developed from a supplier for the planning, installation and service of video studios to a high-end provider of special solutions in the field of audio, video and media technology. We are known internationally as a competent OEM-partner for customized solutions.

„Never take ‘no’ for an answer!“ is not only the favourite saying of our General Manager, Andreas Bellof – it is our guiding principle, which was characterized by Arthur Lassen, the German motivation coach, with the following interesting comparison:

**Never take "No" for an answer.**

**Whoever says „I can't do it“ just limits himself.**

**Just look at a bumble bee.**

**It has a wing surface of 0.7cm<sup>2</sup> and weighs 1,2g.**

**According to the laws of aerodynamics it shouldn't be able to fly.**

**But the bumble bee doesn't question this.**

**It just flies.**

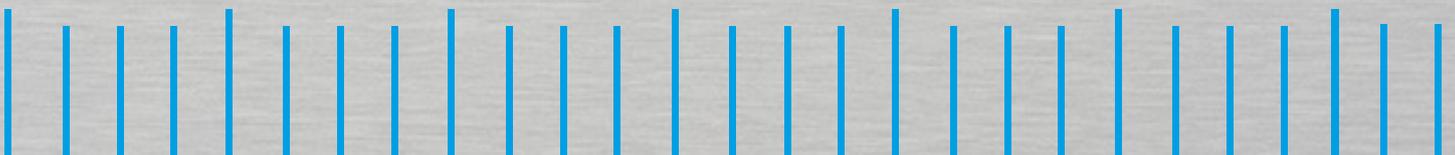
© Athur Lassen

Our product range comprises:

- Modular Connector Panels
- Cables Solutions
- Control Equipment
- Signal Management

1982

2014



## KOMTECH Connector Panels



### The AF-TA Standard

„The mother of our connector panels“

Our basic principle was originally to offer tailor-made quality products. This principle still exists today. In the past we could provide individual connection methods by using interchangeable modules. The current standard models still offer this possibility. Over time, however, along with the purely technical requirements, the creation and design of desktop connections has become Komtech's central core competence.

Nowadays numerous surface finishes, modified layouts as well as connection panels produced according to OEM requirements are available to our customers - also at the other side of the world.



Desk connector panel Hybrid Slim for an Australian customer.

## KOMTECH Cable Solutions



**The KOMTECH motorized cable retractor managed the connector cables where they are needed.**

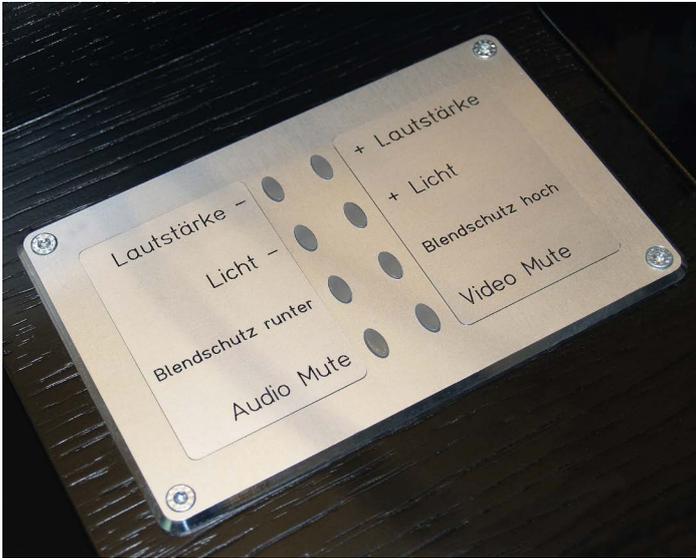
With the help of an unique cable guide the cable can be pulled out easily up to 70cm. Because of its electro-mechanical design the cable will be removed automatically with constant power after use by touching a button. Same quality for more than 1000 uses.

**Komtech offers a wide variety of cables for the transmission of audio, video and computer signals, DVI cables, HDMI cables, Displayport cables or specialized cables for varying types of signals: these can be supplied by the metre or customized according to specifications by us in Germany.**

### **network - video - audio**

In addition to the power supply these three major ports are a standard of the connector panels made by KOMTECH

## KOMTECH Control Equipment



**KOMTECH PI/O control technology is a product family for small media controls. The control system is a high flexible, economic customized solution which leaves nothing to be desired in construction and design.**

As a conference room control, beamer control or simply as a media control. PI/O control technology is integrable in nearly every environment and easy programmable with a simple, enclosed configuration software.

**Komtech offers simple and secure solutions for media control either as an integrated technology used in the connector panels or as a standalone solution. At the same time our products can act as a an interface for multiple media technologies from different manufacturers, thus making possible a centralized control function.**

You know the problem? You just want to share just a beamer, which is controlled by a media control via an RS232 interface, but you lack the knowledge to program the existing media control? We offer you a simple solution:

**Solution = KomTrans**

## KOMTECH Signal Management



**HDBase-T is a technology standard for the transmission of video and audio in HD resolution of both digital and analogue signals.**

The data is transmitted uncompressed and copy protected via CAT5e/6-Ethernet-Cable with ordinary RJ-45 connectors. The cable length could be up to 100m. It supports all the current resolutions and audio standards. A PoE power over the CAT5e/6-Kabel is optional up to about 100W. Besides the transmission of video and audio data IR control signals, RS-232 control signals are transmitted. In addition, a transmission of Ethernet (100M) and a USB channel via the same cable as standard is provided. The technology is particularly suitable for professional applications.

## Partner for individual media technology

You are looking for a partner who understand your dreams and is able to fullfill this creatively and with know-how. Come to KOMTECH. Here you get an perfect product which flexible meet your needs. Our ideas and our product portfolio makes practically everything possible.

Even Linus Carl Pauling said:

**You need not only to have more ideas than others, but also the capacity to decide which of those ideas are good ones.**

A lot of our products are developed because of an other product doesn't fit or makes sense.

Exactly here are our strengths and your advantage:

We are already known for the quality of our high-class products which we send you quickly and reliable.

**WE** are your competent partner.

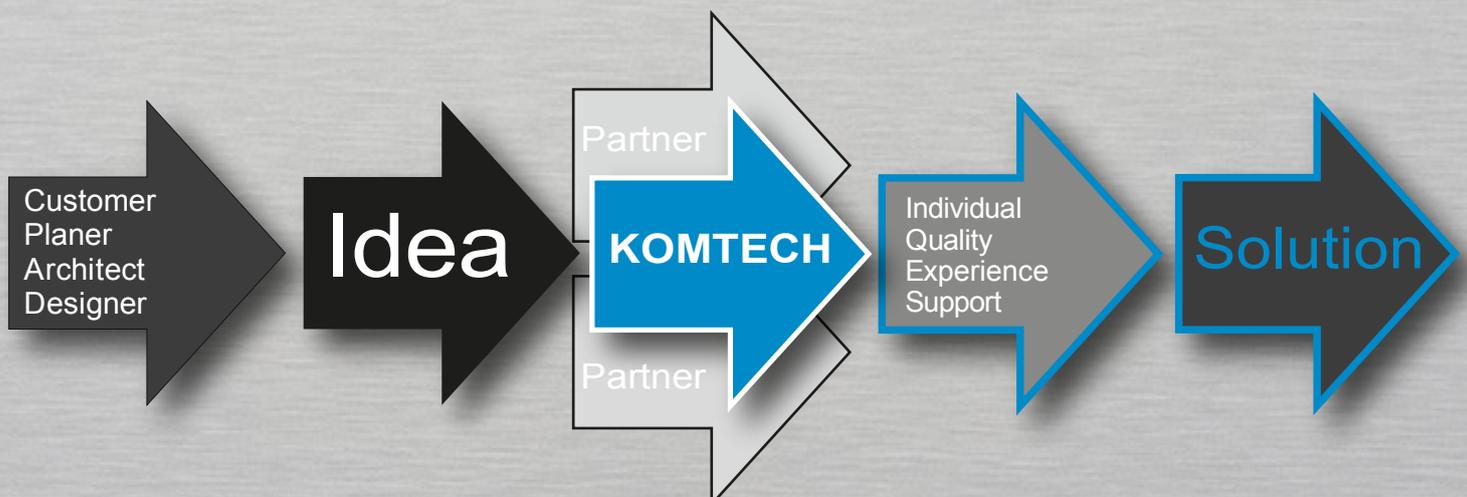
**WE** understand your requirements.

**WE** do it.

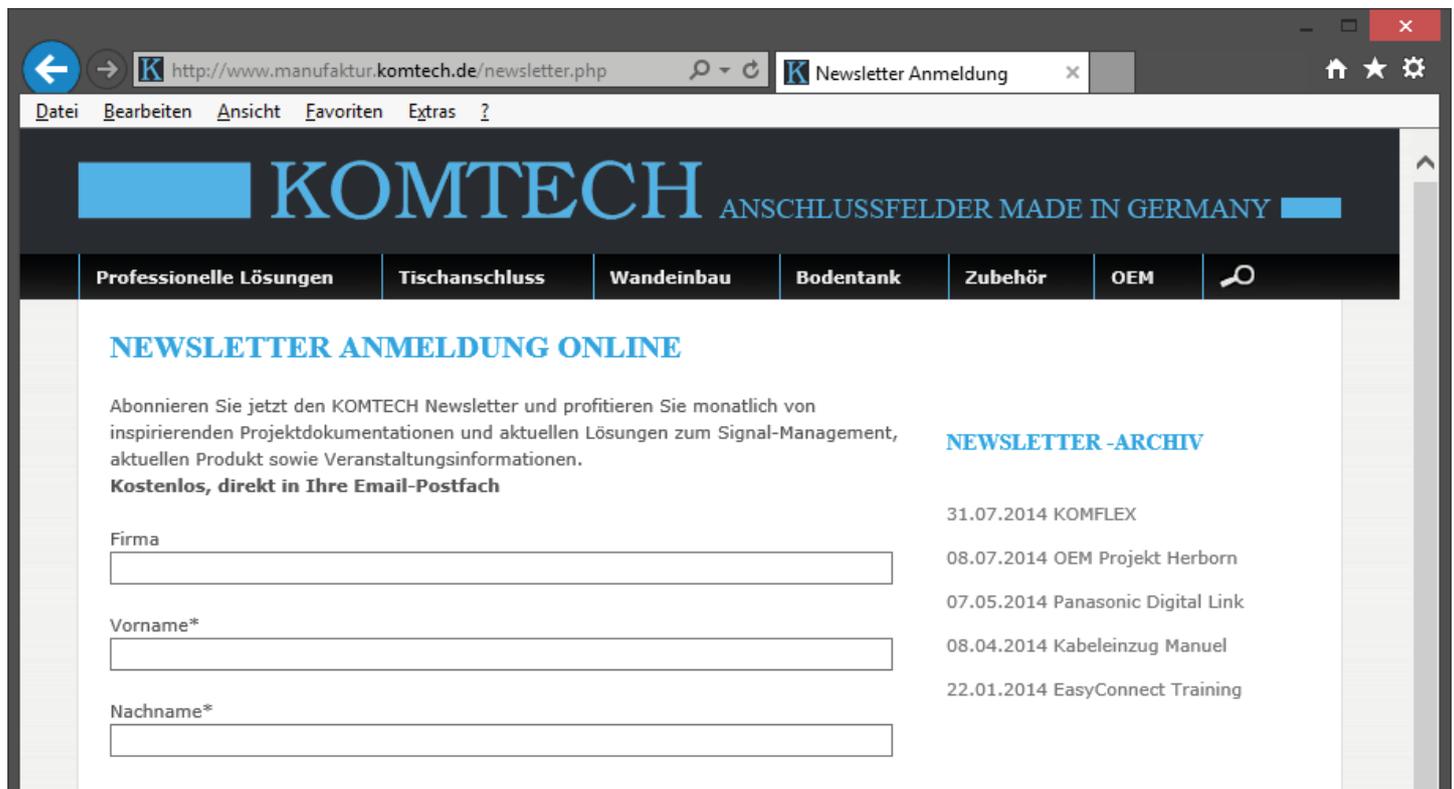
**YOU** can rely on us!

Yours Andreas Bellof  
General Manager

**KOMTECH**



## Online Newsletter: Do not miss anything!



The screenshot shows a web browser window with the URL <http://www.manufaktur.komtech.de/newsletter.php>. The page features the KOMTECH logo and navigation menu. The main content area is titled "NEWSLETTER ANMELDUNG ONLINE" and includes a registration form with fields for "Firma", "Vorname\*", and "Nachname\*". To the right, there is a "NEWSLETTER -ARCHIV" section listing several past newsletters with their dates and titles.

**KOMTECH** ANSCHLUSSFELDER MADE IN GERMANY

Professionelle Lösungen | Tischanschluss | Wandeinbau | Bodentank | Zubehör | OEM

### NEWSLETTER ANMELDUNG ONLINE

Abonnieren Sie jetzt den KOMTECH Newsletter und profitieren Sie monatlich von inspirierenden Projektdokumentationen und aktuellen Lösungen zum Signal-Management, aktuellen Produkt sowie Veranstaltungsinformationen.  
**Kostenlos, direkt in Ihre Email-Postfach**

Firma

Vorname\*

Nachname\*

### NEWSLETTER -ARCHIV

- 31.07.2014 KOMFLEX
- 08.07.2014 OEM Projekt Herborn
- 07.05.2014 Panasonic Digital Link
- 08.04.2014 Kabeleinzug Manuel
- 22.01.2014 EasyConnect Training

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