



BRAX



Company Overview

- Audiotec Fischer was established in 1990 by Heinz Fischer
- Based in Schmallingenberg, Germany
- History of developing high-end home audio components
- Wanted to bring the same experience to the mobile industry
- BRAX line developed in 1991
- Helix line developed in 1997
- Achieved DIN EN ISO 9001:2000 certification in 2005
- Introduced Plug and Play DSP in 2010

BRAX

AMPLIFIERS

3R4X

MATRIX X2 / X4

- Available in a 2 channel and 4 channel model
- Black or Silver finish available
- Total power output of 1040 watts RMS
- 1/0 gauge power inputs
- Separate 1/0 gauge connections to directly connect a capacitor
- 130 amp ANL in-line fuse and holder provided



BRAX

- Individually hand-built utilizing hand-selected components including :
 - Burr-Brown devices
 - Schottky power diodes
- 32 hand-selected and matched MOSFET transistors
- Fully regulated power supplies
 - Continuous power output
 - Stable to 1 ohm stereo
- No filtering or crossover circuits to color the audio output



3RAX

X2000.2 / X2400.2



- Available in a 2 channel and 4 channel model
- Satin black or platinum silver finish available
- Total power output of 740 and 800 watts RMS respectively
- 4 gauge power inputs
- Separate 4 gauge connections to directly connect a capacitor
- 100 amp ANL in-line fuse and holder provided

BRAX



- Individually hand-built utilizing hand-selected components
 - Burr-Brown op-amps
- Silver solder is used on all electrical connections
 - Ultra-low resistance pathways
- Selectable 12dB or 24 dB variable active crossovers
 - Configurable as high-pass, low-pass or band-pass outputs

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SPEAKERS

BRAX



MATRIX 2-WAY

Set consists of the following:

- A 6 1/2" mid-bass with:
 - An aluminum oxide infused *Agave Sisalana* cone for lightweight rigidity
 - integrated phase plug
- A 28mm silk dome tweeter in machined stainless steel housing
- A hand built 2-way crossover utilizing audiophile grade components

3RAX

MATRIX 3-WAY

Set consists of the following:

- A 6 1/2" mid-bass with:
 - An aluminum oxide infused *Agave Sisalana* cone for lightweight rigidity
 - integrated phase plug
- A 54mm silk dome midrange in a machined stainless steel housing
- A 28mm silk dome tweeter in a machined stainless steel housing
- A hand built 3-way crossover utilizing audiophile grade components



BRAX

NOT JUST PRETTY ON THE OUTSIDE

BRAX tweeters and mids aren't just beautiful on the outside. A lot of technology and attention to detail go into the inner workings as well.

- Resin infused silk domes with black Acronal coating on each
- 28mm and 54mm hand wound voice coils respectively
- N40 cross-drilled neodymium magnets
- Insulated ABS backplate with integrated internal phase plug to break-up internal standing waves
- Packed with natural wool to add additional internal damping



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WOOFERS

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MATRIX M10.1

- 10-inch single 4 ohm voice coil
- *Agave Sisalana* fiber cone infused with Aluminum Oxide
- 65mm hand wound voice coil
- 30-700 Hz frequency response range
- 600 watt RMS power handling





 **HELIX**



- Helix offers a full line of products (except for head units) for dealers from entry level to high-end
- Helix is comprised of four product lines:
 - Blue
 - Esprit
 - Precision
 - Competition



FULL RANGE SPEAKERS



The **BLUE** series full-range speakers feature:

- An optimized injection molded Polypropylene cone
- Pole mounted tweeter
- A euro din sized basket for a drop-in fit
- Sizes include
 - 4", 5 1/4", 6 1/2", 5x7, 6x9 coax
 - 5 1/4" & 6 1/2" components





The **ESPRIT** series full-range speakers feature:

- A stiff, non-resonating, woven fiberglass cone
- A 3 axis adjustable soft dome tweeter,
- A lightweight stamped basket, and quick connectors
- Sizes include
 - 4", 5 1/4", 6 1/2", 5x7, 6x9 coax
 - 5 1/4" & 6 1/2" components





The **PRECISION** series full-range speakers feature:

- An aluminum impregnated, *Agave Sisalana* plant fiber cone
 - Creates a lightweight and rigid cone
- A 1" silk dome tweeter
- A stamped steel frame
- Quick connectors
- A vented motor structure
- Sizes include
 - 4", 5 ¼" & 6 ½" components





The **COMPETITION** series full-range speakers feature:

- A cone consisting of aluminum impregnated, *Agave Sisalana* plant fibers coated with a layer of silk
 - Creates a lightweight and rigid cone
- A 1" silk dome tweeter
- A 2" silk dome midrange(3-way only)
- A die-cast frame
- Locking connectors
- A vented motor
- Sizes include
 - 5 ¼" & 6 ½" 2-way components
 - 6 ½" 3-way components





WOOFERS



The **BLUE** series woofers feature:

- Dual 2 or 4 ohm voice coils
- A low resonant woofer cone made from injected polypropylene
- A rigid aluminum die cast basket
- Gold-plated compression terminals
- 250 – 300 watt RMS power handling
- Available in 10” and 12”





The **ESPRIT** series woofers feature:

- A low profile flat piston driver comprised of a fiberglass sealed honeycomb membrane
- A tall profile rubber surround that is both rigid and lightweight
- A die cast aluminum frame, gold plated compression terminals, and stitched tensil leads
- Dual 2 Ohm design
- 200-400 watt RMS power handling
- Available in 8", 10" and 12"





The **PRECISION** series woofers feature:

- A silk coated *Agave Sisalana* fiber cone
- An oversized voice coil and motor structure
- Venting at both the pole piece and spider plateau
- A die cast aluminum frame, gold plated compression terminals, and stitched tensil leads
- Single 4 Ohm design
- 250-350 watt RMS power handling
- Available in 8", 10" and 12"





AMPLIFIERS



The **COMPETITION** series amps feature:

- A reference quality, class A design and noise free input stage
- Hand picked, 1% tolerance components
- Matched MOSFET pairs surface mounted to a double sided copper plated circuit board
- Smart circuit protection against overheating, over/under voltage, speaker short circuit, low impedance and faulty connection
- A temperature optimized heatsink
- A fully active intelligent crossover, variable bass boost control, and adjustable input gain



A2

- 2 channel amplifier
- Power output: (RMS/MAX)
 - 150 x 2 @ 4Ω 250 x 2 @ 4Ω
 - 270 x 2 @ 2Ω 450 x 2 @ 2Ω
 - 540 x 1 @ 4Ω/bridged 900 x 1 @ 4Ω/bridged
 - 790 x 1 @ 2Ω/bridged 1300 x 1 @ 4Ω/bridged
 - 395 x 2 @ 1Ω 650 x 2 @ 1Ω
- Bass boost 0-9dB/30-120Hz (adjustable)
- Crossover 15Hz-6kHz variable (LP,BP,HP)
- Frequency response 15Hz-20.000Hz
- Input sensitivity 500mv – 8v



A4

- 4 channel amplifier
- Power output: (RMS/MAX)
 - 85 x 4 @ 4Ω 150 x 4 @ 4Ω
 - 150 x 4 @ 2Ω 250 x 4 @ 2Ω
 - 270 x 2 @ 4Ω/bridged 450 x 2 @ 4Ω/bridged
 - 395 x 2 @ 2Ω/bridged 650 x 2 @ 2Ω/bridged
- Bass boost- N/A
- Crossover 15Hz-7kHz variable (LP,BP,HP)
- Frequency response 15Hz-20.000Hz
- Input sensitivity 500mv – 8v



SPXL 1000B

- 1 channel class D amplifier
- Power output: (RMS/MAX)
 - 750 @ 4 Ω 1275 @ 4 Ω
 - 1200 @ 2 Ω 2040 @ 2 Ω
 - 1600 @ 1 Ω 2720 @ 1 Ω
- Bass boost 0-18dB/40-120Hz
- Variable low-pass filter 30-250 Hz
- Frequency response 10Hz-250Hz
- Input sensitivity 200mv – 6v



ACCESSORIES



POWER STATION XXL

Power Stabilizer



- Compensates for constantly changing power levels in vehicles
- Maintains a constant voltage output
- Ensures maximum performance from your audio system
- Adjustable output voltage:
 - 12v - 15v
- Battery under voltage protection
- Output Current: (Cont./MAX) 100A/200A
- Stackable through Master/ Slave connections
 - Allows for increased current capacity



X-JUST

Crossover Measuring Instrument

Frequency Range:

12Hz - 180Hz

120Hz - 1.8kHz

1.2kHz - 18kHz

- Precision tuning instrument
- A must for the adjustment of active crossovers
- Gain matches to your amplifier
- Allows for the verification and fine tuning of crossover settings
- A necessary tool for **ALL** installers





PLUG AND PLAY



PP50 PLUG AND PLAY Processor

- Plug and Play is an amplified DSP processor system ideal for those customers who do not want to replace their factory systems.
- The DSP processor allows the installer to quickly correct for improper speaker placement by adjusting delay and phase relationships between the speaker location and the driver
- This system takes the sound out of the foot well and provides the customer with the proper soundstage and imaging that a properly installed audio system should





- Installation is simplified with the provided vehicle-specific harnesses to truly adhere to the Plug and Play mentality
- Tuning is as easy as downloading the pre-calculated EQ curve from the Helix website onto a micro-SD card and then plugging it into the side of the processor.
- Once power is applied, the profile is uploaded into the unit and after approximately one minute the card can be removed and tuning is complete





- Additional elements of the system can include the PP7E, a dual 7" slot ported enclosure that is directly powered from the sub output of the unit and connected with the provided sub cable
- Also included is an auxiliary input with variable input gain control which provides for the connection of an external audio device such as an mp3 player or smart phone
- This input has signal sensing capabilities to automatically switch the output of the PP50 from the radio to the auxiliary device when activated

