What other woofers have nightmares about 56cm (22")

JackHammer is the most enormous, mind-blowing, beast-of-a-subwoofer ever created. You will literally not believe it until you see it. Standing in at 56cm (22") tall, 160Kg (320 pounds), and with 12000 watt peak music power handling, you will be hard-pressed to find something that will get in the ring with this heavyweight.

JackHammer represents excess in every way and this enormous subwoofer lives for high pressure and window shattering bass. JH is designed for sonic quality, and extreme SPL, what we call SQL.

A replaceable cone assembly is also available. Unlike traditional replacement assemblies, the JackHammer replacement assembly can be accomplished without removing the speaker from the enclosure. Fast, quick, and easy.

JackHammer T9022-44
56cm (22") - Dual 4Ω - 6000W RMS

160Kg
6000Wrms
12000Wmax
The edge of insanity? Or mere genius?

The Mtx Jackhammer, 160 kilos of unrelenting brute force, driven beyond the limits of comprehension. Hot on the heels of the Jackhammer are the Thunder T9500 Woofer Series.

The T9500 Series are meticulously designed woofers cultivating 35 years of proven technologies, innovation and manufacturing experience delivering superior power handling, performance and style you demand from Mtx.

Available in 3 sizes (25, 30 & 38cm) with power handling up to 2000W, the T9500 Series incorporate industry leading features such as 26mm one way X-max, more than twice standard woofers of today. 22°C aluminium flat wound ribbon wire on 10cm black anodized aluminum formers combined with three premium strength magnets providing the ultimate in precision, sonic accuracy and performance.

More genius? We think so!

The limits of imagination!

The 8500 series woofers set a new standard. When it comes to construction it doesn’t get more intimidating. When it comes to performance, it becomes fearless. The 8500’s are a must to experience and comprehend the volume levels and amount of energy it can produce. The 8500’s basket is built like a tank making it impossible to buckle under pressure regardless how powerful the amp it’s connected to. The magnet assembly is so massive one often wonders if it’s larger than the actual cone on the 10 inch. The Xmax reaches 22mm one way (44mm total) making the 8500 a force to be reckoned with. Once we make something bullet proof, there’s no going back.

The 8500’s are a nightmare for our competitors.
The really serious stuff starts here! We’re not talking about subwoofers anymore, we’re talking SuperWoofers. Take note of the die-cast aluminum basket and you realize you’re in for something incredible. The cone excursion is exceptional. All our best technologies are incorporated into the 7500’s such as: ALDS keeping the voice coil in the gap, SPV cooling and CET for longer life of the rubber surround and suspension. We’ve promised the world the best products and we’re delivering on that promise spec by spec!

The evolution of the 5500 is truly worth talking about. The magnetic assembly is twice the size of its predecessor while the fit and finish is magnificent. The cone is made of carbon-reinforced polypropylene covered in aluminum deposition. It’s one-piece design, adds rigidity and eliminates dust cap issues. The Xmax on the 5500 travels: 14mm one-way utilizing an oversize cooling system (SPV) and technologies like ALDS for added reliability. The tinsel leads are spider-woven allowing for extreme excursions without the risk of over stretching. The 5500 series is further proof our engineers weren’t slacking off or sacrificing quality when it comes down to getting heavy on bass.

**SUBWOOFERS**

<table>
<thead>
<tr>
<th>Size</th>
<th>D</th>
<th>Power</th>
<th>RMS Power</th>
<th>Sensitivity</th>
<th>X-max</th>
<th>Fs</th>
<th>Magnet</th>
<th>Response</th>
<th>Depth</th>
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<tbody>
<tr>
<td>T7510-04</td>
<td>25cm</td>
<td>40</td>
<td>800W</td>
<td>400W</td>
<td>88,5dB</td>
<td>47Hz</td>
<td>2650 gr</td>
<td>47-150Hz</td>
<td>17,0cm</td>
</tr>
<tr>
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<td>40+40</td>
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<td>89,4dB</td>
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</tr>
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**ENCLOSURES**

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<th>Max Power</th>
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**FEATURES**

- ALDS Technology
- SPV Technology
- CET Technology
- Butyl Suspension
- Poly/Carbon cone
- Cone in 1 piece
- Sealed Compatible
- Vented Compatible
- Stitched Cone/suspension
- Interlaced Tinsel Leads
- MTX Basket
- Aluminium Basket
- StreetWires connectors
- X-max (1 way)
- Power handling 9/10

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- Power handling 9/10
The Thunder4500 subs provide you with bass that goes way beyond the price you paid for it. Pair them up with one of our Thunder amplifiers and these woofers pump out as much volume as you can handle. THUNDER4500s come in 38cm, 30cm, 25cm and 20cm and feature Asymmetrical Linear Drive System, Spider Plateau Venting technology, tinsel leads woven into the spider and mated to heavy duty stitching. The voice coil can’t pop out of the gap. You’ll save your sub !

Extended Pole Piece
The extended pole-piece, creates a more symmetrical magnetic flux in the gap. This means higher efficiency and larger linear excursion. The extended pole piece also acts as a guide, when the cone moves beyond maximum excursion. You know, after a big bass kick (Booooom). As the excursion increases, the surround will not tear apart. The surround will not tear apart (Congruent Edge Technology).

ALDS Technology
(Asymmetrical Linear Drive System) = Flat progressive spider + extended pole piece

Extended Pole Piece
Flat Progressive Spider
With this technology, MTX gives you Dr. Jekyll and Mr. Hyde. The progressive spider gives you lots of detail at low volume (cool music) and full control at high volume (Bassoon). As the excursion increases, the spider is stiffer and stiffer. The progressive spider is the opposite of a standard spider. But in the car audio environment, that’s what we need : details at low volume and power handling at high volume...

ALDS Technology
Butyl Suspension
Polyprop/Alu cone
SPV Technology
Aluminium basket
Interlaced Tinsel Leads
FLAT PROGRESSIVE SPIDER
CET Technology
Rubber Gasket
Cone in 1 piece
Magnet Cover
SST Technology
Butyl Suspension
Polyprop/Carbon cone
SPV Technology
Stitched Cone/suspension
CET Technology
Cone in 1 piece
Flat Progressive Spider
FLAT PROGRESSIVE SPIDER
CET Technology
Rubber Gasket
Cone in 1 piece
Xmax 1 way
Maximum excursion 9,4mm one way. Unbelievable Xcursion 9,4mm one way.

XThunder subs, Bass from a new level !
Xtreme power handling up to 700W Max. Unbelievable Xcursion 9,4mm one way.

Xclusive technologies like ALDS, SPV and spider with interlaced tinsel leads.

XTHUNDER subwoofers feature the “X” from Xtreme, Xcitement, Xclusive, Xtrahard... XThunder sub sets a new standard for subwoofers : Level X !

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Remote Subwoofer control: EBC
It’s now included with every amp (except TA2202). The EBC allows you to adjust the sub level from the driver’s seat. Very handy as every music recording seems to have a different sub bass level.

New Connectors
They’re gorgeous. Introduce the bare wire of the cable directly into the power or speaker connectors, turn the BTR screw and you’re on. It’s clean, quick, simple and safe. There’s even a small cover for the top of the BTR screws once you’re finished tightening them. All the connectors are on the same side. It’s easier and more stealth looking. The big amps even have an additional input connection for the capacitor. Perfect score on the new amp connectors.
Amplifier Technologies

Pure N-Channel Design

- N-PF Circuits are using the same type Mosfet.
- No variations between the output transistors in the final stages.
- Higher efficiency.
- Higher linearity, lower distortion.
- Shorter signal path.
- Better sound quality.
- Higher power output.

CTE2006 power

Ye’s finally going to be able to make heads and tails out of the often-exaggerated specs from other brands in the industry. MTX has been at the forefront of leading the industry towards an agreed upon set of guidelines to measure actual power outputs of car Hifi amplifiers. An independent laboratory selected by the CEA (Consumer Electronics Association) will be responsible for conducting the strict allocation of norms to those brands that choose to have their amplifier specifications measured and made public in this manner. All measuring will follow a rigorous set of parameters agreed upon by the CEA board and this logo will attest to this.

Table: CEA Power Comparison Chart

<table>
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<th>Power 10 CEA</th>
<th>Power 20 CEA</th>
<th>Power 40 CEA</th>
<th>Bridged Power CEA</th>
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<th>High-pass x-over</th>
<th>Subsonic filter</th>
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</tr>
<tr>
<td>TA6044</td>
<td>2x100W</td>
<td>2x100W</td>
<td>1x1200W</td>
<td>24dB/oct</td>
<td>30Hz</td>
<td>40-300Hz</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Adaptive ClassD Technology

This technology changes the power supply switching frequency with increasing output power to avoid interference due to the Class D technology. The principle is to separate the sound from radio interference as much as possible.

“XTC” Cooling Technology

How long do you think it takes for the average car Hifi amp to warm up and reach its peak in musicality? Some take up to 30 minutes and that’s too long. With the new cooling system “XTC” from Xacta Technology Cooling the aluminium heat sink inside the new MTX 2005 amplifiers is reduced in size to allow for a quicker rise in temperature. Then, client tests regulate the temperature accordingly to within a couple of degrees. The air intake is located at the top of the amp. Fresh air is then propelled through thin, sandwiched layers of aluminium upon which all the MSF-FETs are fastened thus optimizing the thermal effect. It is amazingly efficacious and easy to control. The transformers as well as the class D output filter are located on the other end of the sandwiched layers meaning they too are exposed to this air-cooling. These new amps are designed both for cold climate areas where you want the heat sink and the transistors to heat up quickly and for warmer climates where keeping them from overheating are the prime concern.

“Prizm EFX” Technology

All the new MTX amps are equipped with it. With one turn of a screw, this new technology allows the user to adjust the colour illumination of the control panel or the amplifier. Virtually all colours are available thus allowing you to match the rest of the colour scheme in the installation or the car. If you have difficulty choosing one colour, position the Prizm EFX on stroboscopic. All the colours in the rainbow are displayed to the beat of the music. Too cool. If you still can’t decide then simply put it on red: the colour of MTX.

4 to 1 - 1st time in the world

They never stop. We’re talking about the engineers at MTX. For the first time, a 4-channel amplifier can transform itself into a Mono Block. Yes, you read it correctly, a real Mono Block. It can also first become a 2 and 3 channel amplifier. But a 4-channel amp that can convert itself into a Mono Block has never been done before. Thank you, gentlemen in the R&D department. This marvelous ingenuity will allow the user to modify his system design as often as he chooses, regardless of how demanding the configuration. Simply amazing.
Like never before Retro is Cool!
Old Skool is Hot!
Back to the roots or should it be back to the future, classic amps adapted to meet new standards. TC originally stands for Classic Thunder. Classic Thunder amps improved and re-vamped for the New Skool market. Improved using new Technologies as: N-channel VFET output stages, Adaptable Class D, Smart Engage etc. With CEA2006 certification when it comes to guaranteed output power. The amps have a full aluminium design with Cool, Classic, Retro look. A hidden high intensity LED gives a special red glow through the heatsink when switched on.

To meet the needs of the demanding car audio enthusiasts of this millenium the TC amps are loaded with: 12dB/oct variable Hi pass and 24dB/oct variable Low pass x-overs, Switchable Subsonic filter (on Class D amps), Thunder EQ and each amp comes standard with an External Bass Control (EBC). The power ratings on these amps will literally blow you through your roof and set you on a Car audio orbit around the globe with ratings from 300W to 2400W Total Output Power. MTX Thunder TC, Thunder with a past.
The "X" in Xhunder amplifiers

"X"clusive 100% full aluminium design with high quality BTR connection terminals. "X"tordinary cool chrome logo in the middle of the amp with red indication LED. "X"treme power over 3500W for the X3000D CEA2006 certified from the fully Mosfet designed power supply and finalstage using IRF high-
est quality Mosfets. "X"cessive onboard X-over adjustable from 40Hz to 8000Hz on the Class AB models and a variable Subsonic filter on the Class D models. "X"ternal Bass control (EBC) is incorporated with each Class D amp. "X"otic and normal head units can all be connected to these amps either via the RCA connector "X"tions with a sensitivity of 200mV to 5V or via the High level inputs. But what about the sound? Well lets just say its... "X"quisite!

With a XXXXXXX rating MTX Xhunder amplifiers are not suited for kids who need parental guidance. Xhunder amplifiers stand for Xtreme Xcitement in Car Audio.

<table>
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<tr>
<th>Channel</th>
<th>CEA Power @14,4 volts</th>
<th>4Ω</th>
<th>2Ω</th>
<th>1Ω</th>
<th>Bridged 4Ω</th>
<th>24dB/oct</th>
<th>12dB/oct</th>
<th>24dB/oct</th>
<th>12dB/oct</th>
<th>EBC</th>
<th>High-pass</th>
<th>Remote</th>
<th>Bass-pass</th>
<th>24dB/oct</th>
<th>12dB/oct</th>
<th>Remote</th>
<th>High-pass</th>
<th>Remote</th>
<th>High-pass</th>
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<td>2x1000W</td>
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<td>40 to 200Hz</td>
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<td>Yes</td>
<td></td>
<td></td>
<td>Yes</td>
<td>40 to 200Hz</td>
<td>Yes</td>
<td>Yes</td>
<td>24dB/oct</td>
<td>subsonic</td>
<td>40 to 200Hz</td>
<td>Yes</td>
<td>Yes</td>
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<td>subsonic</td>
<td>40 to 200Hz</td>
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<td>24dB/oct</td>
<td>subsonic</td>
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<td>subsonic</td>
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<td>40 to 8000Hz</td>
<td>Yes</td>
<td>Yes</td>
<td></td>
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<td>24dB/oct</td>
<td>12dB/oct</td>
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<td>40 to 8000Hz</td>
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<td>Yes</td>
<td>24dB/oct</td>
<td>12dB/oct</td>
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<td>X502</td>
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<td>4x70W</td>
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<td>40 to 8000Hz</td>
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<td>Yes</td>
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<td>12dB/oct</td>
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<td>40 to 8000Hz</td>
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<td>24dB/octet</td>
<td>12dB/octet</td>
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<td>Yes</td>
<td>Yes</td>
<td>24dB/octet</td>
<td>12dB/octet</td>
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</tbody>
</table>
Welcome to the top of the MTX THUNDER speaker range!

Thunder Axe High End Component systems have a larger Xmax than all other competitors. Featuring glass fiber woofer cones with aluminum deposition and a 25mm Teteron® tweeter, Thunder Axe High End Components were designed for superior imaging, detail, sound quality, and dynamic range. The specifically designed crossover distributes frequencies properly to maximize the musical performance of each driver. Engineered with superior components, the 2-way, bi-amping, 18dB/octave crossover network is designed for accurate imaging and sound quality. They have been optimized for off-axis or on-axis listening and include a 5 level tunable tweeter network for optimum imaging, regardless of tweeter placement or positioning. In addition, the woofer has a 0°, 30°, and 60° off-axis compensation. Said Dan Roemer, VP of Acoustical Engineering, “These components are the best speakers MTX has over released. These are speakers with the versatility, performance, and reliability that separate the best speakers from those that are just average. Any true audiophile will appreciate these products.” With the addition of the Thunder Axe High End Component line, MTX offers high performance, installation-friendly solutions. Whether you are upgrading from factory speakers or you are an audio phile looking to build the ultimate mobile sound stage, Thunder Axe High End Components deliver the ultimate in sound quality and placement.

<table>
<thead>
<tr>
<th>Size</th>
<th>Type</th>
<th>O</th>
<th>Peak Power</th>
<th>RMS Power</th>
<th>Sensitivity 2V 1m</th>
<th>Response</th>
<th>Grills</th>
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<td>4Ω</td>
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<td>150W</td>
<td>91dB</td>
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<td>150W</td>
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<td>250W</td>
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<tr>
<td>TXC6</td>
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<td>4Ω</td>
<td>300W</td>
<td>150W</td>
<td>91dB</td>
<td>43-25kHz</td>
<td>Yes</td>
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<td>TXC4</td>
<td>10cm</td>
<td>4Ω</td>
<td>200W</td>
<td>100W</td>
<td>88dB</td>
<td>50-25kHz</td>
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<td>75W</td>
<td>91dB</td>
<td>3.5-25kHz</td>
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</table>

You can't have THUNDER without the LIGHTNING!

The new standard for musical pleasure towards a car audio excellence. Now has the lightning added with a striking new look in the form of a MTX designed new grille. THS separates and THX axials are specifically developed for the European market featuring:

- An original MTX designed strong steel Euro DIN basket. Means it looks great and fits all cars.
- A very strong motor structure to have optimum control and to maximize the power handling, up to 320W for the THX953, protected by a rubber magnet cover with embossed MTX logo.
- An injection polypropylene cone with aluminum finish mostly found on speakers costing up to 3x more. It sounds breath taking and looks awesome.
- A rubber surround ensures a very flexible yet UV resistant and durable suspension.
- 2,5cm diameter High temperature aluminum voice coil to maximize power handling.
- THX axials have tweeters with MTX original special designed face plates to have the best sound dispersion possible.
- THX502 tweeter can even be turned 360 degrees. On the THX603 and THX653 an extra supertweeter is added to create a 3-way speaker.
- The THX953 has a special designed mid adjacent to the tweeter to create a crystal clear sound dispersion 6"x9" 3-way speaker.
- THS axials have tweeters with MTX original special designed face plates to have the best sound dispersion possible.
- THS mids have a CNC machined Solid aluminum phase plug, crucial for the overall sound of the speaker.
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- THS mids have a CNC machined Solid aluminum phase plug, crucial for the overall sound of the speaker.
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- THX502 tweeter can even be turned 360 degrees. On the THX603 and THX653 an extra supertweeter is added to create a 3-way speaker.
- The THX953 has a special designed mid adjacent to the tweeter to create a crystal clear sound dispersion 6"x9" 3-way speaker.
THUNDER from a different level, rated X!

XTHUNDER axials are the new standard for musical pleasure from factory locations. With special MTX designed speaker grills and all mounting materials included, specifically developed for the European market featuring:

- An original MTX basket: A MTX designed strong steel Euro DIN basket. Means it looks great and fits all cars.
- Oversized Amant: A very strong motor structure to have optimum control and to maximize the power handling, up to 320W for the XT803.
- Injected polypropylene cone with rubber surround.
- The rubber surround ensures a very flexible yet UV resistant and durable suspension.
- An injected polypropylene cone is mostly found on speakers costing up to 3x more. The sound is incredible coming from this cone.
- High temperature aluminium voice coil with kapton former.
- To maximize the power handling.

All XT models have tweeters with MTX original special designed face plates to have the best sound dispersion possible. The XT903, XT903 and XT703 an extra super tweeter is added to create a 3-way speaker. The XT803 and XT903 have a special designed midrange next to the tweeter to form superb sounding 6”x9” and 8” 3-way speakers.

**Size** | **Type** | **Ω** | **Peak Power** | **RMS Power** | **Sensitivity** | **Response** | **Grills**
--- | --- | --- | --- | --- | --- | --- | ---
XT803 | 20cm Coax 3 way | 4Ω | 320W 80W | 93.5dB 28-22000Hz | Yes
XT693 | 15x23cm Coax 3 way | 4Ω | 220W 80W | 93.0dB 36-22000Hz | Yes
XT573 | 13x18cm Coax 3 way | 4Ω | 260W 65W | 92.5dB 42-22000Hz | Yes
XT653 | 16.5cm Coax 3 way | 4Ω | 260W 65W | 92.0dB 52-22000Hz | Yes
XT603 | 16cm Coax 3 way | 4Ω | 260W 65W | 92.0dB 52-22000Hz | Yes
XT502 | 13cm Coax 2 way | 4Ω | 220W 55W | 91.5dB 60-22000Hz | Yes
XT402 | 10cm Coax 2 way | 4Ω | 180W 45W | 90.5dB 70-22000Hz | Yes

**RoadThunder loaded enclosures**

Enclosures designed and built by MTX and loaded with RoadThunder subwoofers. Not only do they sound great, they also look great and take up as less trunk space as possible. Finished with very durable grey carpet that complements the great looks of the subwoofers like: the red basket, the black mica filled polypropylene cone with the MTX AUDIO logo in the middle and the double row of red stitching.

Designed with a triangle shape these enclosures will match perfectly with the back of the backseat taking up as less trunk space as possible. Designed for the RoadThunder subwoofers ensures that these RoadThunder loaded enclosures will deliver deep and loud bass. RoadThunder loaded enclosures are available in single 25 and 30cm, dual 30cm and triple 25cm.

<table>
<thead>
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<th>Size</th>
<th>Type</th>
<th>Ω</th>
<th>Peak Power</th>
<th>RMS Power</th>
<th>Dimensions</th>
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<tr>
<td>RT10A</td>
<td>25cm</td>
<td>4Ω</td>
<td>400W 200W</td>
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<td></td>
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<tr>
<td>RT12A</td>
<td>30cm</td>
<td>4Ω</td>
<td>400W 200W</td>
<td>36x40x46cm</td>
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</tr>
<tr>
<td>RT12x2A</td>
<td>2x30cm</td>
<td>4Ω</td>
<td>800W 400W</td>
<td>36x77x45cm</td>
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<td>Oui</td>
<td>31x30x40cm</td>
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<td>200W 200W</td>
<td>Oui</td>
<td>Oui</td>
<td>38x70x45cm</td>
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</tbody>
</table>
Loyd Evey founded MTX in 1971 - 35 years of experience!

MTX factories in the USA:
- Phoenix, Arizona
- Ennis, Texas
- Winslow, Illinois
- Monroe, Wisconsin

MTX is an American company.

Mitek was the 1st Audio Company to be ISO9001 certified in 1994.

MTX took 21 innovation awards.

MTX is an American company.

MTX took 118 AutoSound GrandPrix awards.

MTX has 450 employees!

75 employees are working in the R&D department.

MTX factory in Asia: Mitek Tempest, Shenzhen, China.
MTX invented

- The 1st MTX CarAudio subwoofer in 1981 presented at the CES in Chicago. Ref: 10-NU & 8-NU!
- The 1st CarAudio enclosure in 1984. The enclosure stands on the hood!
- The 1st CarAudio class-D amp in 1997. 8 generations followed!!
- The 1st CarAudio THUNDERFORM enclosure in 1999
- The 1st CarAudio class-D amp in 1997. 8 generations followed!!
- The 1st CarAudio full range high-end Hifi class-D amp in 2003

MTX is the leader brand of Mitek Corporation. Mitek Brands in Car Audio

- MTX took more than 1000 records or 1st places in SQ, SQL or SPL competitions

MTX took more than 1000 records or 1st places in SQ, SQL or SPL competitions

Mitek Brands in Home&Pro Audio

- MTX took more than 1000 records or 1st places in SQ, SQL or SPL competitions

JackHammer to celebrate 35 years of high performance subwoofers! (2005)

The 1st SledgeHammer slot ported enclosure in 2003. Today, there are 48 SledgeHammers in the MTX range!
**AMPLIFIER TO ENCLOSURE(S)**

Match MTX Enclosures with recommended Amplifiers for the best performance.

### Amplifiers

| Amplifier Code | RT10A | RT12A | RT12x2A | RT10x3A | SLH-T4510A | SLH-T4512A | SLH-T4515A | SLH-T4510x2A | SLH-T4512x2A | SLH-T4510x3A | SLH-T5510A | SLH-T5510D | SLH-T5512A | SLH-T5512D | SLH-T5510x2A | SLH-T5510x2D | SLH-T5512x2A | SLH-T5512x2D | SLH-T7510A | SLH-T7510D | SLH-T7512A | SLH-T7512D | SLH-T7510x2A | SLH-T7510x2D | SLH-T7512x2A | SLH-T7512x2D | SLH-T8510A | SLH-T8510D | SLH-T8512A | SLH-T8512D | SLH-T8515A | SLH-T8515D | SLH-T8510x2A | SLH-T8510x2D | SLH-T8512x2A | SLH-T8512x2D | SLH-T9510A | SLH-T9510D | SLH-T9512A | SLH-T9512D |
|----------------|-------|-------|---------|---------|-------------|-------------|-------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|--------------|-------------|--------------|--------------|--------------|-------------|-------------|--------------|--------------|--------------|-------------|--------------|
| TA92001        |       |       |         |         |             |             |             |              |              |              |             |             |             |             |              |              |              |              |              |             |             |             |             |              |             |              |              |              |             |             |              |              |              |              |
| TA81001        |       |       |         |         |             |             |             |              |              |              |             |             |             |             |              |              |              |              |              |              |             |             |             |             |              |             |              |              |              |             |             |              |              |              |
| TA7801         |       |       |         |         |             |             |             |              |              |              |             |             |             |             |              |              |              |              |              |              |             |             |             |             |              |             |              |              |              |             |             |              |              |              |
| TA5601         |       |       |         |         |             |             |             |              |              |              |             |             |             |             |              |              |              |              |              |              |             |             |             |             |              |             |              |              |              |             |             |              |              |              |
| TA4501         |       |       |         |         |             |             |             |              |              |              |             |             |             |             |              |              |              |              |              |              |             |             |             |             |              |             |              |              |              |             |             |              |              |              |
| TA3401         |       |       |         |         |             |             |             |              |              |              |             |             |             |             |              |              |              |              |              |              |             |             |             |             |              |             |              |              |              |             |             |              |              |              |
| TA2301         |       |       |         |         |             |             |             |              |              |              |             |             |             |             |              |              |              |              |              |              |             |             |             |             |              |             |              |              |              |             |             |              |              |              |
| TA91002        |       |       |         |         |             |             |             |              |              |              |             |             |             |             |              |              |              |              |              |              |             |             |             |             |              |             |              |              |              |             |             |              |              |              |
| TA8502         |       |       |         |         |             |             |             |              |              |              |             |             |             |             |              |              |              |              |              |              |             |             |             |             |              |             |              |              |              |             |             |              |              |              |
| TA7402         |       |       |         |         |             |             |             |              |              |              |             |             |             |             |              |              |              |              |              |              |             |             |             |             |              |             |              |              |              |             |             |              |              |              |
| TA5302         |       |       |         |         |             |             |             |              |              |              |             |             |             |             |              |              |              |              |              |              |             |             |             |             |              |             |              |              |              |             |             |              |              |              |
| TA4252         |       |       |         |         |             |             |             |              |              |              |             |             |             |             |              |              |              |              |              |              |             |             |             |             |              |             |              |              |              |             |             |              |              |              |
| TA3252         |       |       |         |         |             |             |             |              |              |              |             |             |             |             |              |              |              |              |              |              |             |             |             |             |              |             |              |              |              |             |             |              |              |              |
| TC8001         |       |       |         |         |             |             |             |              |              |              |             |             |             |             |              |              |              |              |              |              |             |             |             |             |              |             |              |              |              |             |             |              |              |              |
| TC6001         |       |       |         |         |             |             |             |              |              |              |             |             |             |             |              |              |              |              |              |              |             |             |             |             |              |             |              |              |              |             |             |              |              |              |
| TC4001         |       |       |         |         |             |             |             |              |              |              |             |             |             |             |              |              |              |              |              |              |             |             |             |             |              |             |              |              |              |             |             |              |              |              |
| TC3001         |       |       |         |         |             |             |             |              |              |              |             |             |             |             |              |              |              |              |              |              |             |             |             |             |              |             |              |              |              |             |             |              |              |              |
| TC0001         |       |       |         |         |             |             |             |              |              |              |             |             |             |             |              |              |              |              |              |              |             |             |             |             |              |             |              |              |              |             |             |              |              |              |
| TC0202         |       |       |         |         |             |             |             |              |              |              |             |             |             |             |              |              |              |              |              |              |             |             |             |             |              |             |              |              |              |             |             |              |              |              |
| TC002          |       |       |         |         |             |             |             |              |              |              |             |             |             |             |              |              |              |              |              |              |             |             |             |             |              |             |              |              |              |             |             |              |              |              |
| X3000D         |       |       |         |         |             |             |             |              |              |              |             |             |             |             |              |              |              |              |              |              |             |             |             |             |              |             |              |              |              |             |             |              |              |              |
| X1000D         |       |       |         |         |             |             |             |              |              |              |             |             |             |             |              |              |              |              |              |              |             |             |             |             |              |             |              |              |              |             |             |              |              |              |
| X500D          |       |       |         |         |             |             |             |              |              |              |             |             |             |             |              |              |              |              |              |              |             |             |             |             |              |             |              |              |              |             |             |              |              |              |
| X702           |       |       |         |         |             |             |             |              |              |              |             |             |             |             |              |              |              |              |              |              |             |             |             |             |              |             |              |              |              |             |             |              |              |              |
| X562           |       |       |         |         |             |             |             |              |              |              |             |             |             |             |              |              |              |              |              |              |             |             |             |             |              |             |              |              |              |             |             |              |              |              |