

MX[®]

AUDIO

SOUND OF THUNDER
MX

MSX AUDIO JACK HAMMER™

WHAT OTHER WOOFERS HAVE NIGHTMARES ABOUT

56cm (22")

160Kg
6000Wrms
12000Wmax



58.5cm (23")

JackHammer T9922-44
56cm (22") - Dual 4Ω - 6000W RMS

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 59cm (23") 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.

THUNDER[®] 9500



FEATURES	
ALDS Technology	✓
SPV Technology	✓
CET Technology	✓
Butyl Suspension	✓
Polypro/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)	26mm
Power handling	12/10

The edge of insanity? Or mere genius?

The Mtx Jackhammer, 160 kilos of unrelenting brute force, driven beyond the limits of comprehension does approach the edge of insanity. 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 26mm one way X-max, more than twice standard woofers of today. 220°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. Mere genius? We think so!

SUBWOOFERS	Size	Ω	MAX Power	RMS Power	Sensitivity	Xmax	Fs	Magnet	Response	Depth
	T9510-04	25cm	4Ω	1500W	750W	85,9dB	26mm	39,4Hz	5550 gr	39-150Hz
T9510-44	25cm	4Ω+4Ω	1500W	750W	87,5dB	26mm	41,1Hz	5550 gr	41-150Hz	23,6cm
T9512-04	30cm	4Ω	2000W	1000W	87,4dB	26mm	34,3Hz	7400 gr	34-150Hz	24,7cm
T9512-44	30cm	4Ω+4Ω	2000W	1000W	91,0dB	26mm	36,4Hz	7400 gr	36-150Hz	24,7cm
T9515-04	38cm	4Ω	2000W	1000W	90,4dB	26mm	30,6Hz	7400 gr	30-150Hz	27,3cm
T9515-44	38cm	4Ω+4Ω	2000W	1000W	93,8dB	26mm	31,9Hz	7400 gr	31-150Hz	27,3cm



ENCLOSURES	Size	Ω	MAX Power	RMS Power	Dimensions
	T9510A	25cm	4Ω	1500W	750W
T9510D	25cm	2Ω	1500W	750W	37x51x47cm
T9512A	30cm	4Ω	2000W	1000W	41x59x47cm
T9512D	30cm	2Ω	2000W	1000W	40x59x47cm
T9515A	38cm	4Ω	2000W	1000W	45x64x50cm
T9515D	38cm	2Ω	2000W	1000W	45x64x50cm
T9510x2D	2x25cm	2Ω	3000W	1500W	37x84x50cm
T9512x2D	2x30cm	2Ω	4000W	2000W	40x90x50cm
T9515x2D	2x38cm	2Ω	4000W	2000W	45x103x54cm

MTX[®] AUDIO

THUNDER[®] 8500



FEATURES	
ALDS Technology	✓
SPV Technology	✓
CET Technology	✓
Butyl Suspension	✓
Polypro/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)	22mm
Power handling	10/10

SUBWOOFERS	Size	Ω	MAX Power	RMS Power	Sensitivity	Xmax	Fs	Magnet	Response	Depth
	T8510-04	25 cm	4Ω	1000W	500W	86,9dB	22mm	41,4Hz	4080 gr	41-150Hz
T8510-44	25 cm	4Ω+4Ω	1000W	500W	90,4dB	22mm	44,8Hz	4080 gr	44-150Hz	18,8cm
T8512-04	30 cm	4Ω	1000W	500W	89,8dB	22mm	36,3Hz	4540 gr	36-150Hz	19,7cm
T8512-44	30 cm	4Ω+4Ω	1000W	500W	92,3dB	22mm	38,8Hz	4540 gr	38-150Hz	19,7cm
T8515-04	38 cm	4Ω	1200W	600W	92,0dB	22mm	35,4Hz	5000 gr	35-150Hz	22,7cm
T8515-44	38 cm	4Ω+4Ω	1200W	600W	93,5dB	22mm	32,0Hz	5000 gr	32-150 Hz	22,7cm



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 T8500 a force to be reckoned with. Once we make something bullet proof, there's no going back.

The T8500's are a nightmare for our competitors.

ENCLOSURES	Size	Ω	MAX Power	RMS Power	Dimensions
	SLH-T8510A	25cm	4Ω	1000W	500W
SLH-T8510D	25cm	2Ω	1000W	500W	37x51x47cm
SLH-T8512A	30cm	4Ω	1000W	500W	41x59x47cm
SLH-T8512D	30cm	2Ω	1000W	500W	41x59x47cm
SLH-T8515A	38cm	4Ω	1200W	600W	45x64x50cm
SLH-T8515D	38cm	2Ω	1200W	600W	45x64x50cm
SLH-T8510x2A	2x25cm	4Ω	2000W	1000W	37x84x50cm
SLH-T8510x2D	2x25cm	2Ω	2000W	1000W	37x84x50cm
SLH-T8512x2A	2x30cm	4Ω	2000W	1000W	40x90x50cm
SLH-T8512x2D	2x30cm	2Ω	2000W	1000W	40x90x50cm

THUNDER[®] 7500

MTX[®] AUDIO

THUNDER[®] 5500



FEATURES	
ALDS Technology	✓
SPV Technology	✓
CET Technology	✓
Butyl Suspension	✓
Polypro/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)	17mm
Power handling	9/10



FEATURES	
ALDS Technology	✓
SPV Technology	✓
CET Technology	✓
Butyl Suspension	✓
Polypro/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)	14mm
Power handling	8/10

SUBWOOFERS	Size	Ω	Max Power	RMS Power	Sensitivity	Xmax	Fs	Magnet	Response	Depth
	T7510-04	25cm	4Ω	800W	400W	88,5dB	17mm	47,0Hz	2650 gr	47-150Hz
T7510-44	25cm	4Ω+4Ω	800W	400W	90,6dB	17mm	46,5Hz	2650 gr	46-150Hz	17,0cm
T7512-04	30cm	4Ω	800W	400W	89,4dB	17mm	45,2Hz	2650 gr	45-150Hz	18,3cm
T7512-44	30cm	4Ω+4Ω	800W	400W	92,1dB	17mm	40,3Hz	2650 gr	40-150Hz	18,3cm
T7515-04	38cm	4Ω	800W	400W	91,9dB	17mm	28,6Hz	3690 gr	28-150Hz	20,7cm
T7515-44	38cm	4Ω+4Ω	800W	400W	95,0dB	17mm	31,3Hz	3690 gr	31-150Hz	20,7cm

SUBWOOFERS	Size	Impe dance	Max Power	RMS Power	Sensitivity	Xmax	Fs	Magnet	Response	Depth
	T5508-04	20 cm	4Ω	400W	200W	88,8dB	14mm	41,1Hz	1150 gr	41-150Hz
T5508-44	20 cm	4Ω+4Ω	400W	200W	91,4dB	14mm	42,3Hz	1150 gr	42-150Hz	12,6cm
T5510-04	25 cm	4Ω	600W	300W	88,2dB	14mm	35,3Hz	1700 gr	35-150Hz	15,6cm
T5510-44	25 cm	4Ω+4Ω	600W	300W	90,9dB	14mm	35,6Hz	1700 gr	35-150Hz	15,6cm
T5512-04	30 cm	4Ω	600W	300W	89,8dB	14mm	29,2Hz	1980 gr	29-150Hz	16,9cm
T5512-44	30 cm	4Ω+4Ω	600W	300W	92,9dB	14mm	29,9Hz	1980 gr	29-150Hz	16,9cm
T5515-04	38 cm	4Ω	600W	300W	90,8dB	14mm	21,3Hz	2300 gr	21-150Hz	19,2cm
T5515-44	38 cm	4Ω+4Ω	600W	300W	93,6dB	14mm	21,7Hz	2300 gr	21-150Hz	19,2cm



MTX SLEDGE HAMMER



MTX SLEDGE HAMMER

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!

ENCLOSURES	Size	Ω	Max Power	RMS Power	Dimensions
	SLH-T7510A	25cm	4Ω	800W	400W
SLH-T7510D	25cm	2Ω	800W	400W	35x49x39cm
SLH-T7512A	30cm	4Ω	800W	400W	36x56x41cm
SLH-T7512D	30cm	2Ω	800W	400W	36x56x41cm
SLH-T7510x2A	2x25cm	4Ω	1600W	800W	45x77x35cm
SLH-T7510x2D	2x25cm	2Ω	1600W	800W	45x77x35cm
SLH-T7512x2A	2x30cm	4Ω	1600W	800W	44x87x36cm
SLH-T7512x2D	2x30cm	2Ω	1600W	800W	44x87x36cm
SLH-T7510x3A	3x25cm	4Ω	2400W	1200W	39x89x41cm
SLH-T7510x3D	3x25cm	2Ω	2400W	1200W	39x89x41cm

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.

ENCLOSURES	Size	Ω	Max Power	RMS Power	Dimensions
	SLH-T5510A	25cm	4Ω	600W	300W
SLH-T5510D	25cm	2Ω	600W	300W	35x49x39cm
SLH-T5512A	30cm	4Ω	600W	300W	36x56x41cm
SLH-T5512D	30cm	2Ω	600W	300W	36x56x41cm
SLH-T5510x2A	2x25cm	4Ω	1200W	600W	45x77x35cm
SLH-T5510x2D	2x25cm	2Ω	1200W	600W	45x77x35cm
SLH-T5512x2A	2x30cm	4Ω	1200W	600W	44x87x36cm
SLH-T5512x2D	2x30cm	2Ω	1200W	600W	44x87x36cm
SLH-T5510x3A	3x25cm	4Ω	1800W	900W	39x89x41cm
SLH-T5510x3D	3x25cm	2Ω	1800W	900W	39x89x41cm

THUNDER[®] 4500

MX[®] AUDIO

THUNDER[®]



FEATURES	
ALDS Technology	✓
SPV Technology	✓
CET Technology	
Butyl Suspension	
Polypro/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)	9,4mm
Power handling	7/10

SUBWOOFERS	Size	Ω	Max Power	RMS Power	Sensitivity	Xmax	Fs	Magnet	Response	Depth
T4508-04	20 cm	4Ω	200W	100W	85,6dB	5,4mm	39,8Hz	450gr	39-150Hz	9,1cm
T4510-04	25 cm	4Ω	450W	225W	87,6dB	9,4mm	35,4Hz	850gr	35-150Hz	12,2cm
T4510-44	25 cm	4Ω+4Ω	450W	225W	90,4dB	9,4mm	39,1Hz	850gr	39-150Hz	12,2cm
T4512-04	30 cm	4Ω	450W	225W	89,8dB	9,4mm	29,9Hz	1000gr	29-150Hz	13,5cm
T4512-44	30 cm	4Ω+4Ω	450W	225W	92,1dB	9,4mm	29,2Hz	1000gr	29-150Hz	13,5cm
T4515-04	38 cm	4Ω	500W	250W	89,3dB	9,4mm	22,6Hz	1417gr	22-150Hz	16,8cm
T4515-44	38 cm	4Ω+4Ω	500W	250W	91,4dB	9,4mm	24,5Hz	1417gr	21-150Hz	16,8cm



**SLEDGE
HAMMER**

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. T4500s 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 chrome push speaker terminals. Plus we've added a 220°C copper voice coil wound on an Apical voice coil former for extremely reliable, high power handling. The strontium ferrite magnet yields a highly efficient speaker meaning it makes better use of your amplifier power.

ENCLOSURES	Size	Ω	Max Power	RMS Power	Built in amp	EBC Remote	Dimensions
SLH-T4510A	25cm	4Ω	450 W	225 W			35x49x39cm
SLH-T4512A	30cm	4Ω	450 W	225 W			36x56x41cm
SLH-T4515A	38cm	4Ω	450 W	225 W			42x59x47cm
SLH-T4510x2A	2x25cm	4Ω	900 W	450 W			45x77x35cm
SLH-T4512x2A	2x30cm	4Ω	900 W	450 W			44x87x36cm
SLH-T4510x3A	3x25cm	4Ω	1350 W	675 W			39x89x41cm
SLH-T4510-200	25cm				200W	Yes	35x49x39cm
SLH-T4512-200	30cm				200W	Yes	36x56x41cm
SLH-T4510x2-200	2x25cm				200W	Yes	45x77x35cm
SLH-T4512x2-200	2x30cm				200W	Yes	44x87x36cm
SLH-T4510x3-200	3x25cm				200W	Yes	39x89x41cm



FEATURES	
ALDS Technology	✓
SPV Technology	✓
CET Technology	
Butyl Suspension	✓
Rubber Gasket	✓
Polypro/Alu cone	✓
Magnet Cover	✓
Cone in 1 piece	✓
Sealed Compatible	✓
Vented Compatible	✓
Stitched Cone/suspension	✓
Interlaced Tinsel Leads	✓
MTX basket	✓
Aluminium basket	
StreetWires connectors	
X-max (1 way)	9,4mm
Power handling	7,5/10

SUBWOOFERS	Size	Ω	Max Power	RMS Power	Sensitivity	Xmax	Fs	Response	Depth
XT10-04	25 cm	4Ω	750W	250W	89,7dB	9,5mm	39,0Hz	32-200Hz	12,4cm
XT12-04	30 cm	4Ω	750W	250W	91,4dB	9,5mm	33,0Hz	33-200Hz	13,9cm
XT12-44	30 cm	4Ω+4Ω	750W	250W	92,8dB	9,5mm	34,5Hz	34-200Hz	13,9cm

XThunder subs, Bass from a new level ! Xtreme powerhandling up to 750W 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, Xtraordinary... XThunder subs set a new standard for subwoofers : Level X !

THUNDER[®] SPEAKER TECHNOLOGIES

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



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). The voice coil can't pop out of the gap. You'll save your sub !

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 (good music) and full control at high volume (Boooooom). 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...

SPV Technology (Spider Plateau Venting)

FORCED AIR COOLING OF THE VOICE COIL
Spider Plateau Venting is characterized by vented aluminium grills. These grills surround the voice coil between the motor structure and the spider, the area of the woofer that gets the hottest. Air is directed in and out of this key area allowing the woofer to handle lots of power while keeping the voice coil cool. Cool air is sucked through these large vents, from all angles, directly onto the voice coil as the cone moves forward. As the cone moves backward, it pushes hot air out, forcing it away from the voice coil. By aiming a large amount of cool air directly at the voice coil, we create an extremely efficient and effective self-cooling cycle that ensures the woofer can play longer and perform better than subwoofers employing traditional venting techniques.



CET TECHNOLOGY (Congruent Edge Technology)

The Nitrile Butadiene Rubber surround and the gasket are made in one piece. The one piece design of the NBR surround and gasket gives the following advantages:

- The surround will not tear
- Maximum surface to glue the surround to the basket
- At maximum excursion the surround will not deform
- Very flexible surround
- Extremely resistant to the effects of UV rays.
- Looks great



MLX[®]

AUDIO

THUNDER



Remote Subwoofer control : EBC
It's now included with every amp (Except TA3202). 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.

WIDER AMPERS



CEA2006 power

You're 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.

Are you ready for the future in car audio? After years of continuous evolution, the MTX amplifier range has been completely transformed. The amount and level of new technologies, of ingenuity, of power and design is lightyears ahead. Even the engineers from NASA are speechless!
No other brand in the industry has the freedom to do something as radical as this. The first eye grabber is the new design of the amplifiers. A technical quest: the amp is now wrapped in a heat sink made entirely out of aluminium. All of the connections are newly located on one side of the amp for wiring ease, while all adjustments are made from the top of the amp, making tweaking and tuning easier than before (especially considering the number of new features on the amps). If you take a look at the chart you'll notice the impressive number of adjustments: 12-18-24dB/oct. active crossovers, adjustable subsonic filter, parametric or quasi-parametric equalizer, separate

gain adjustments, colour control...it's a busy place. A massive amount of new technology and innovation has been incorporated into the new range. And everything is under control. The new ventilation system is thermal regulated and allows for great installation flexibility. No matter what position, the amp will always be kept cool. EBC bass remote control now comes stock. The evolution in the power-rating department will still all power hunger with the biggest amp capable of delivering 3.000W "CEA" RMS... there are going to be some very hot voice coils around this year. And for the artistically inclined, there is the PRIZM EFX. The MTX engineers are helping us to reach the rainbow at the touch of a button. The two 4 channel amps will offer a world premier, breaking all the rules in amplifier functionality and use. On the matter of sound quality, these are the best amps MTX has ever come out with.



	Channel Class	Power 1Q CEA	Power 2Q CEA	Power 4Q CEA	Bridged Power CEA	Low-pass x-over	High-pass x-over	Subsonic filter	X-over Frequency	EBC	EQ	Prizm EFX	High Level
TA92001	1-D	1x3000W	1x2000W	1x1000W		24dB/oct		20 to 50Hz	40-200Hz	Yes	Yes	Yes	Yes
TA81001	1-D	1x1500W	1x1000W	1x500W		24dB/oct		20 to 50Hz	40-200Hz	Yes	Yes	Yes	Yes
TA7801	1-D	1x1200W	1x800W	1x400W		24dB/oct		30Hz	40-200Hz	Yes	Yes	Yes	Yes
TA5601	1-D	1x600W	1x300W			24dB/oct		30Hz	40-200Hz	Yes	Yes	Yes	Yes
TA4501	1-D	1x500W	1x250W			24dB/oct			40-200Hz	Yes	Yes	Yes	Yes
TA3401	1-D	1x400W	1x200W			24dB/oct			40-200Hz	Yes	Yes	Yes	Yes
TA2301	1-D	1x300W	1x150W			24dB/oct			80 or 120Hz	Yes	Yes	Yes	Yes
TA91002	2-AB	2x750W	2x500W	2x250W	1x1500W	24dB/oct	24dB/oct	30Hz	40-350Hz	Yes	Yes	Yes	Yes
TA8502	2-AB	2x375W	2x250W	2x125W	1x750W	24dB/oct	24dB/oct	30Hz	40-350Hz	Yes	Yes	Yes	Yes
TA7402	2-AB	2x300W	2x200W	2x100W	1x600W	24dB/oct	12dB/oct		40-350Hz	Yes	Yes	Yes	Yes
TA5302	2-AB	2x150W	2x75W	1x300W		24dB/oct	12dB/oct		40-350Hz	Yes	Yes	Yes	Yes
TA4252	2-AB	2x125W	2x63W	1x250W		24dB/oct	12dB/oct		85Hz	Yes	Yes	Yes	Yes
TA3202	2-AB	2x100W	2x50W	1x200W		24dB/oct	12dB/oct		85Hz			Yes	Yes
TA7804	4-AB	4x200W	4x200W	4x100W	2x400W	24dB/oct	12dB/oct		40-350Hz	Yes	Yes	Yes	Yes
TA5604	4-AB	4x150W	4x150W	4x75W	2x300W	24dB/oct	12dB/oct		40-350Hz	Yes	Yes	Yes	Yes
TA3404	4-AB	4x100W	4x100W	4x50W	2x200W	24dB/oct	12dB/oct		40-350Hz	Yes		Yes	Yes

THUNDER AMPLIFIERS TECHNOLOGIES

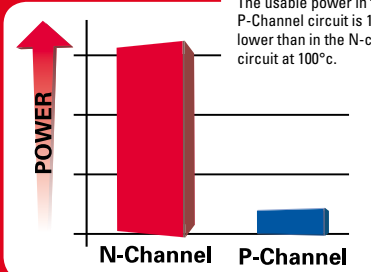
Pure N-Channel Design

PURE N-CHANNEL V-FET FINAL STAGE

- N&P Circuits are using the same type Mosfets
- No variations between the output transistors in the final stage
- Higher efficiency
- Higher linearity, lower distortion
- Shorter signal path
- Better sound quality
- Higher power output

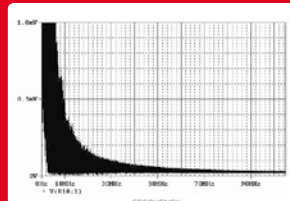
Usable Power Comparison N&P-Channel

The usable power in the P-Channel circuit is 10x lower than in the N-channel circuit at 100°C.

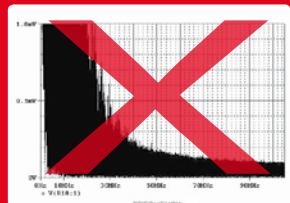


Adaptive ClassD Technology

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.



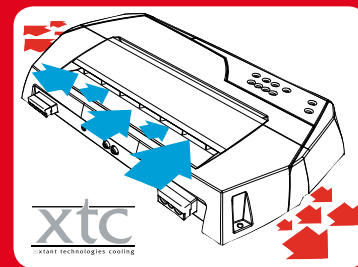
With the Adaptive ClassD tech. radio interference is minimized to zero. Sound quality is maximized.



Without the Adaptive ClassD Tech. radio interferences are easily audible. Sound quality decreases

"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 Xtant 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, silent fans 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 MOS-FETS are fastened thus optimizing the thermal effect. It is amazingly efficient and easy to control. The transformers as well as the class-D output filter are located at the other end of the sandwiched layers meaning they too are exposed to this air-cooling. The 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.



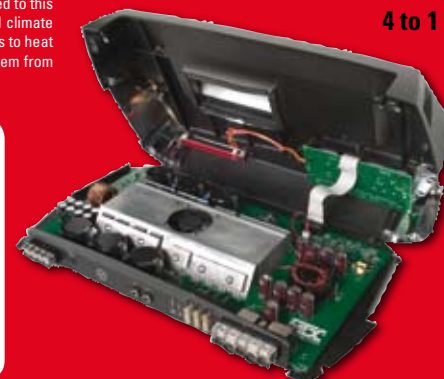
"Prizm EFX" Technology

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 on the amplifier. Virtually all colours are available thus allowing you to match the rest of the colour schemes 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 3 and 2 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 marvellous ingenuity will allow the user to modify his system design as often as he chooses, regardless how demanding the configuration. Simply amazing



MTX[®] AUDIO

THUNDER[®] TC

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-ramped for the New Skool market.
Improved using new Technologies as: N-channel V_{FET} output stages, A d -

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.



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 single Hi intensity LED gives a special red glow through the middle of the heatsink when switched on.
To meet the needs of the demanding car audio enthusiasts of this millennium the

Channel Class	Power 20 CEA	Power 40 CEA	Power 40 bridged	Low-pass X-over	High-pass X-over	X-over frequency	EBC remote	Bass Boost	High Level
TC8001	1-D	1x800W	1x400W	24dB/oct	Subsonic	40 to 200Hz	Yes	Yes	Yes
TC6001	1-D	1x600W	1x300W	24dB/oct	Subsonic	40 to 200Hz	Yes	Yes	Yes
TC4001	1-D	1x400W	1x200W	24dB/oct	Subsonic	40 to 200Hz	Yes	Yes	Yes
TC3001	1-D	1x300W	1x150W	24dB/oct	Subsonic	40 to 200Hz	Yes	Yes	Yes
TC4002	2-AB	2x200W	2x100W	1x400W	12dB/oct	12dB/oct	30 to 300Hz	Yes	Yes
TC3002	2-AB	2x150W	2x75W	1x300W	12dB/oct	12dB/oct	30 to 300Hz	Yes	Yes
TC2002	2-AB	2x100W	2x50W	1x200W	12dB/oct	12dB/oct	30 to 300Hz	Yes	Yes
TC6004	4-AB	4x150W	4x75W	2x300W	12dB/oct	12dB/oct	30 to 300Hz	Yes	Yes
TC4004	4-AB	4x100W	4x50W	2x200W	12dB/oct	12dB/oct	30 to 300Hz	Yes	Yes

THUNDER

MTX AUDIO



The "X" in Xthunder amplifiers

"X"clusive 100% full aluminium design with high quality BTR connection terminals. "X"traordinary 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 highest 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 connect "X"ions with a sensitivity of 200mV to 5V or via the High level inputs. ...But what about the sound? Well lets just say it is... "X"quisite!
With a XXXXXXXX rating MTX XThunder amplifiers are not suited for kids who need parental guidance. XThunder amplifiers stand for Xtreme Xcitement in Car Audio.



Model	Channel Class	CEA Power @14,4 volts				Low-pass	X-over High-pass	Band-pass	X-over frequency	EBC Remote	High level
		1Ω	2Ω	4Ω	Bridged 4Ω						
X3000D	1-D	1x3000W	1x2000W	1x1000W	24dB/oct	subsonic		40 to 200Hz	Yes	Yes	
X1000D	1-D	1x1000W	1x600W	1x600W	24dB/oct	subsonic		40 to 200Hz	Yes	Yes	
X500D	1-D	1x500W	1x350W		24dB/oct	subsonic		40 to 200Hz	Yes	Yes	
X702	2-AB	2x105W	2x70W	1x210W	24dB/oct	12dB/oct	Yes	40 to 8000Hz		Yes	
X502	2-AB	2x90W	2x50W	1x180W	24dB/oct	12dB/oct	Yes	40 to 8000Hz		Yes	
X704	4-AB	4x105W	4x70W	2x210W	24dB/oct	12dB/oct	Yes	40 to 8000Hz		Yes	
X504	4-AB	4x80W	4x50W	2x160W	24dB/oct	12dB/oct	Yes	40 to 8000Hz		Yes	



	Size	Type	Ω	Peak Power	RMS Power	Sensitivity 2V 1m	Response	Grills
TXC6.1	16,5cm	Compo 2 way	4 Ω	300W	150W	91dB	43-25kHz	Yes
TXC6.0	16,5cm	Kick Woofer	4 Ω	300W	150W	91dB	43-250Hz	Yes
TXC5.1	13cm	Compo 2 way	4 Ω	250W	125W	90dB	45-25kHz	Yes
TXC4.1	10cm	Compo 2 way	4 Ω	200W	100W	88dB	50-25kHz	Yes
TXC.1	25mm	Tweeter	4 Ω	150W	75W	91dB	3,5-25kHz	Yes

Welcome to the top of the MTX THUNDER speaker range !

Thunder Axe High End Component systems have a larger X max 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-amplable, 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 ever 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 audiophile looking to build the ultimate mobile sound stage, Thunder Axe High-End Components deliver the ultimate in sound quality and placement.

THUNDER[®]

SPEAKERS



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 powerhandling, up to 320W for the THX693, protected by a rubber magnet cover with embossed MTX logo's.
- An injected polypropylene cone with aluminium 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 aluminium voice coil to maximize powerhandling.
- 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 THX693 has a special designed mid adjacent to the tweeter to create a crystal clear sounding 6" x 9" 3-way speaker.
- THS separates use a 19mm Silk dome tweeter and High Quality x-over with tweeter protection circuit.
- THS mids have a CNC machined Solid aluminium phase plug to get exactly the right shaped phase plug, crucial for the overall sound of the speaker.

So put some Thunder in these speakers by teaming them up with an MTX amplifier and you will be Thunderstruck after an encounter with the new THS separates or THX axials from MTX!

	Size	Type	Ω	Peak Power	RMS Power	Sensitivity 2V 1m	Response	Grills
THX693	15x23cm	Coax 3 way	4 Ω	320W	80W	93,0dB	38-22000Hz	Yes
THX653	16,5cm	Coax 3 way	4 Ω	260W	65W	92,0dB	60-22000Hz	Yes
THX603	16cm	Coax 3 way	4 Ω	260W	65W	92,0dB	57-22000Hz	Yes
THX502	13cm	Coax 2 way	4 Ω	220W	55W	91,5dB	65-22000Hz	Yes
THX402	10cm	Coax 2 way	4 Ω	180W	45W	90,5dB	75-22000Hz	Yes
THS652	16,5cm	Compo 2 way	4 Ω	260W	65W	92,0dB	60-25000Hz	Yes
THS602	16cm	Compo 2 way	4 Ω	260W	65W	92,0dB	57-25000Hz	Yes
THS502	13cm	Compo 2 way	4 Ω	220W	55W	91,5dB	65-25000Hz	Yes
THS19T	19mm	Tweeter	4 Ω	260W	65W	92,0dB	2,5-25kHz	Yes

RRS®

THUNDER



MX®

AUDIO

ROAD THUNDER

THUNDER from a different level, rated X!

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

- An original MX basket. A MX designed strong steel Euro DIN basket. Means it looks great and fits all cars.
- Oversized Aimant. A very strong motor structure to have optimum control and to maximize the powerhandling, up to 320W for the XT693.
- 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 powerhandling.

All XT models have tweeters with MX original special designed face plates to have the best sound dispersion possible. The XT603, XT653 and XT573 an extra supertweeter is added to create a 3-way speaker. The XT693 and XT803 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	38-22000Hz	Yes
XT693	15x23cm	Coax 3 way	4Ω	320W	80W	93,0dB	36-22000Hz	Yes
XT573	13x18cm	Coax 3 way	4Ω	260W	65W	92,5dB	49-22000Hz	Yes
XT653	16,5cm	Coax 3 way	4Ω	260W	65W	92,0dB	55-22000Hz	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 build by MX and loaded with RoadThunder subwoofers. Not only do they sound great, they also look great and take up as less trunkspace as possible. Finished with very durable grey carpet that compliments the great looks of the subwoofers like: the red basket, the black mica filled polypropylene cone with the MX 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 trunkspace 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 tripple 25cm.



	Size	Ω	Peak Power	RMS Power	Dimensions
RT10A	25cm	4Ω	400 W	200 W	31x30x40cm
RT12A	30cm	4Ω	400 W	200 W	36x40x46cm
RT12x2A	2x30cm	4Ω	800 W	400 W	36x77x45cm
RT10x3A	3x25cm	4Ω	1200 W	600 W	34x89x37cm

AMPLIFIED ROAD THUNDER



	Ω	RMS Power	ClassD Amp	EBC Remote	Dimensions
RT10-200	25cm	200 W	Oui	Oui	31x30x40cm
RT12-200	30cm	200 W	Oui	Oui	36x40x46cm
RT10x2-200	2x25cm	200 W	Oui	Oui	31x70x40cm
RT12x2-200	2x30cm	200 W	Oui	Oui	36x77x45cm

Loyd Evey founded MTX, in 1971 - 35 years of experience !



MTX factories in the USA



Winslow - Illinois



Monroe - Wisconsin



Phoenix - Arizona



Ennis - Texas

MTX is an american company



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



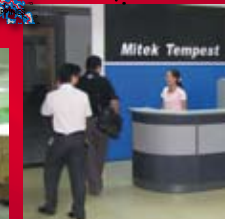
MTX has 450 employees !



75 employees are working in the R&D departement



MTX factory in Asia : Mitek Tempest



Shenzhen - China

MTX took 21 innovation awards



MTX took 118 AutoSound GrandPrix awards



MTX HISTORY



MTX invented



The 1st MTX CarAudio subwoofer in 1981 presented at the CES in Chicago. Ref : 10-NU & 8-NU !



The 1st CarAudio THUNDERFORM enclosure in 1999



The 1st CarAudio enclosure in 1984. The enclosure stands on the hood !



The 1st CarAudio classD amp in 1997. 8 generations followed !!



The 1st CarAudio full range High-End Hifi classD amp in 2003



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 !

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



Mitek Brands in Home&Pro Audio



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



AMPLIFIER **MTX** AUDIO **TO** SUBWOOFER(S)

MATCH MTX SUBWOOFERS WITH RECOMMENDED AMPLIFIERS FOR THE BEST PERFORMANCE

	XT10-04	XT12-04	XT12-44	T4510-04	T4510-44	T4512-04	T4512-44	T4515-04	T4515-44	T5510-04	T5510-44	T5512-04	T5512-44	T5515-04	T5515-44	T7510-04	T7510-44	T7512-04	T7512-44	T7515-04	T7515-44	T8510-04	T8510-44	T8512-04	T8512-44	T8515-04	T8515-44	T9510-04	T9510-44	T9512-04	T9512-44	T9515-04	T9515-44				
TA92001																																					
TA81001																																					
TA7801																																					
TA5601																																					
TA4501																																					
TA3401	2subs	2subs																																			
TA2301	2subs	2subs																																			
TA91002																																					
TA8502																																					
TA7402																																					
TA5302																																					
TA4252	1sub	1sub																																			
TA3202	1sub	1sub																																			
TC8001																																					
TC6001																																					
TC4001	2subs	2subs																																			
TC3001	2subs	2subs																																			
TC4002																																					
TC3002																																					
TC2002	1sub	1sub																																			
X3000D																																					
X1000D																																					
X500D	2subs	2subs																																			
X702	1sub	1sub																																			
X502	1sub	1sub																																			

COILS CONFIGURATIONS

1sub One dual 4Ω sub on one 2ch. amp bridged @4Ω

1sub One dual 4Ω sub (2Ω) on one 2ch. amp @2Ω

2subs Two 4Ω subs on one classD amp @2Ω

2subs Two 4Ω subs on one 2ch. amp @2Ω

2subs Two dual 4Ω sub (8Ω) on one 2ch. amp @4Ω

2subs Two dual 4Ω sub (2Ω) on one classD amp @1Ω

4subs Four 4Ω subs on one classD amp @1Ω

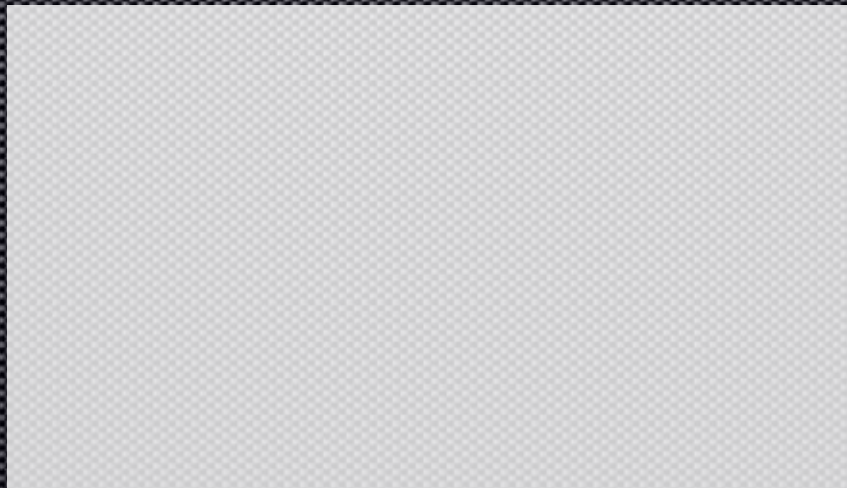
4subs Four dual 4Ω subs (8Ω) on one classD amp @2Ω

AMPLIFIER **MTX**[®] AUDIO **ENCLOSURE(S)**

MATCH MTX ENCLOSURES WITH RECOMMENDED AMPLIFIERS FOR THE BEST PERFORMANCE

	RT10A				SLH-T4510A					SLH-T5510A						SLH-T7510A						SLH-T8510A						SLH-T9510A																			
	RT12A	RT12x2A	RT10x3A		SLH-T4512A	SLH-T4515A	SLH-T4510x2A	SLH-T4512x2A	SLH-T4510x3A	SLH-T5510D	SLH-T5510x2A	SLH-T5510x2D	SLH-T5512x2A	SLH-T5512x2D	SLH-T5510x3A	SLH-T5510x3D	SLH-T7510D	SLH-T7512A	SLH-T7512D	SLH-T7510x2A	SLH-T7510x2D	SLH-T7512x2A	SLH-T7512x2D	SLH-T7510x3A	SLH-T7510x3D	SLH-T8510D	SLH-T8512A	SLH-T8512D	SLH-T8515A	SLH-T8515D	SLH-T8510x2A	SLH-T8510x2D	SLH-T8512x2A	SLH-T8512x2D	SLH-T9510D	SLH-T9510D	SLH-T9512A	SLH-T9512D	SLH-T9515A	SLH-T9515D	SLH-T9510x2D	SLH-T9512x2D	SLH-T9515x2D				
TA92001																																															
TA81001																																															
TA7801																																															
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TC2002																																															
X3000D																																															
X1000D																																															
X500D																																															
X702																																															
X502																																															

ClassD amp under 20
 2 channel amp bridged @4Ω
 2 channel amp bridged @2Ω



Mitek Europe

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