ESX®

X-CONTROL 2

The new ESX DSP-Software

- **Visual clearly improved**
- **Larger presentation on the computer**
- **All important functions on the main screen**
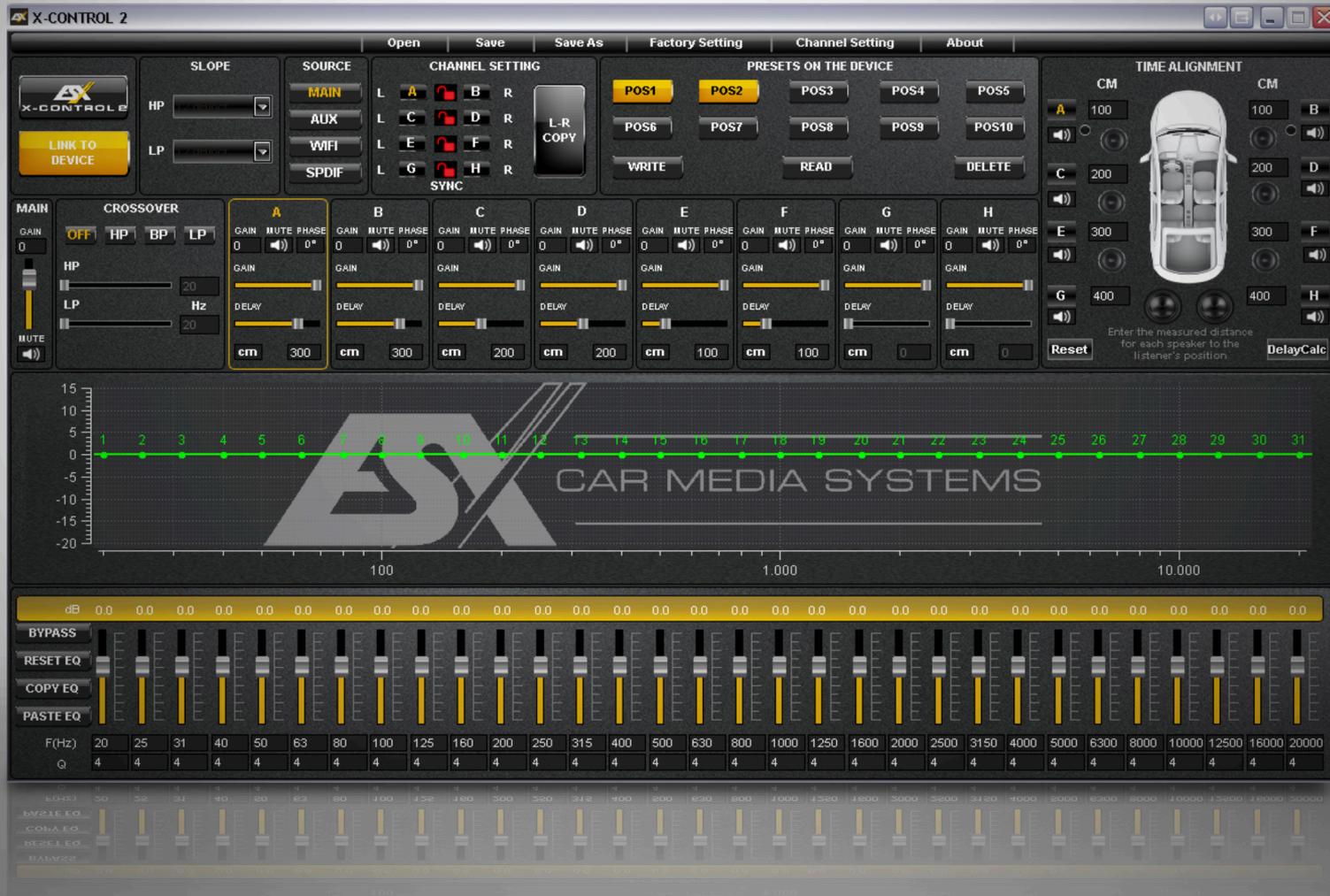
Inputs and outputs freely configurable
Channel Setting

Input

Output

Runtime Correction
Time Alignment

1. Measure all distance to the loudspeakers and enter them into the corresponding input field.
2. Press „DelayCalc" – Done!

Then the X-CONTROL 2 software calculates the appropriate parameters and automatically transfers them into the respective channel from A to H.
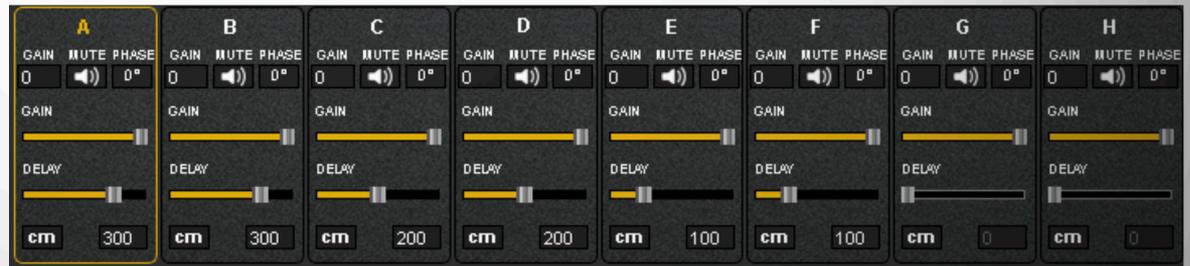
By clicking on the „CM" field, the unit for „DELAY" can be switched from centimeter to millisecond.
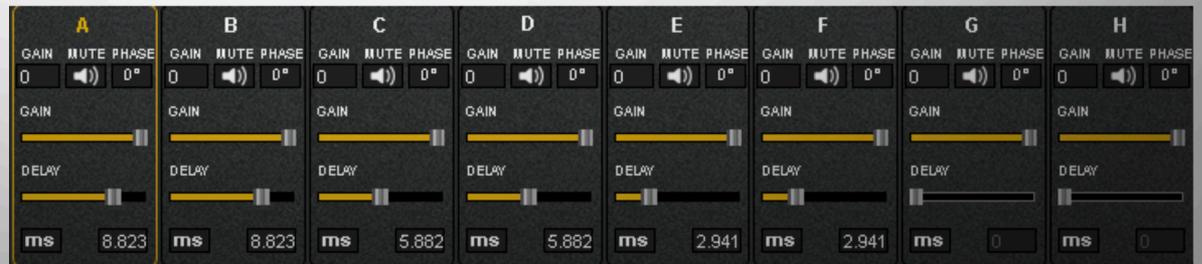
New: Parametric 31-band equalizer
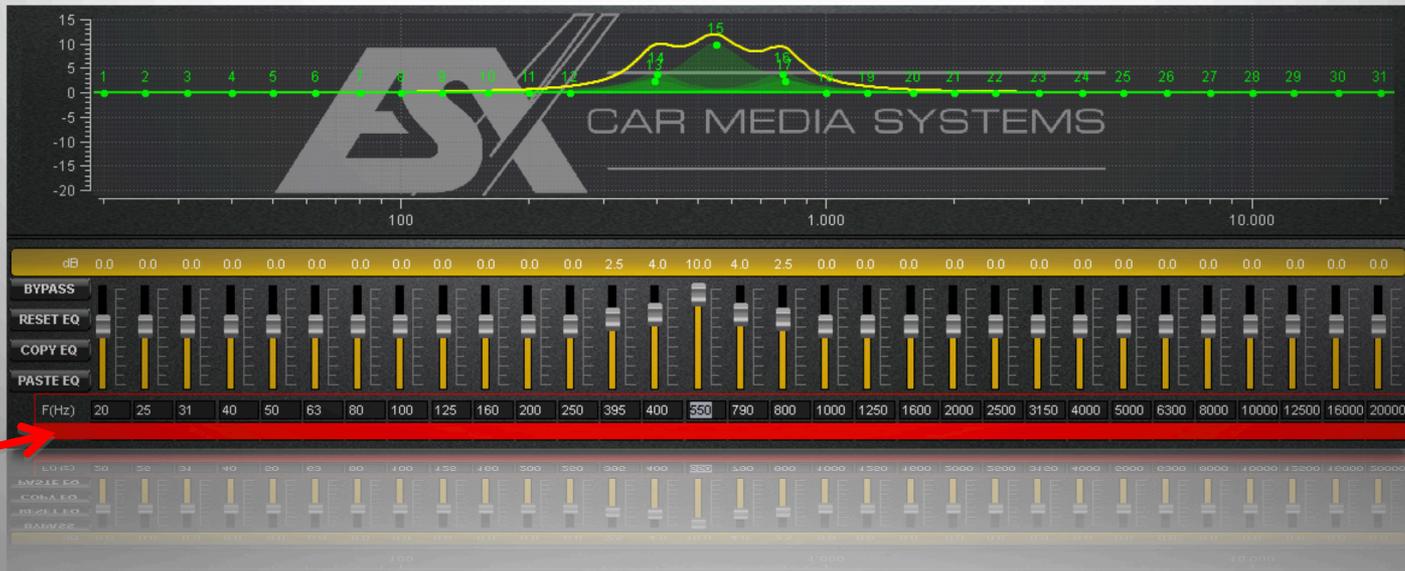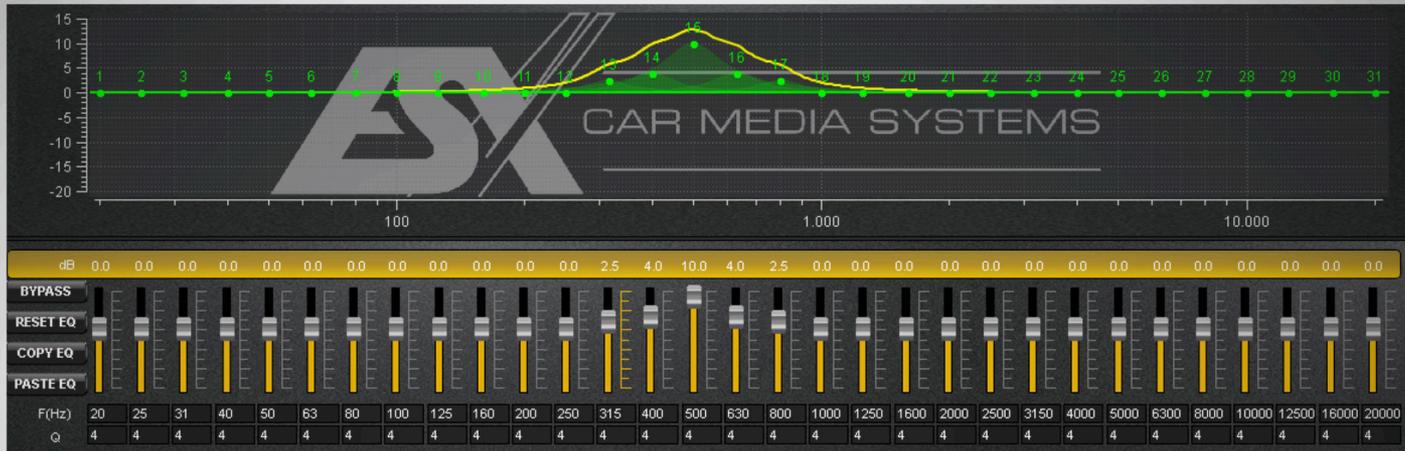
In the field F(Hz), the desired frequency can be adjusted in an exactly way.

The benefits of the Parametric EQ
compared with the graphical EQ

In the case of a graphic equalizer, the frequencies are fixed, typically at a 1/3 octave distance. Corrections between these fixed frequencies are difficult or impossible to handle.

In the Parametric Equalizer, each Frequency between the 1/3 octaves is freely adjustable. Has the system, for example a frequency hole in the range around 2800Hz, that is between the pre-set frequency 2500 Hz and 3150 Hz, the Parametric EQ can now be used to set and change exactly this frequency in this range. Simply put, with the Parametric EQ the frequency response can be influenced much more precisely and finer, which results in a much better sound image.

Q-Factor: In addition, the bandwidth of the boost or cut-off can be set per frequency band via the setting of the filter quality. A high quality (Q) results in a narrowband („steep") filter, a low Q-factor stretches the bandwidth very far. Values can be set between 0.5 and 9 - the default value is 4.

New Function „COPY EQ" & „PASTE EQ"

With the „COPY EQ", a setting of the equalizer can be copied and transferred via „PASTE EQ" to any other channel.

Installation of the Software X-CONTROL 2

1. Download the ESX X-CONTROL 2 DSP software at http://www.audiodesign.de/esx/dsp and save it to your PC.

2. Install the M-CONTROL 2.0.1.exe application on your computer.
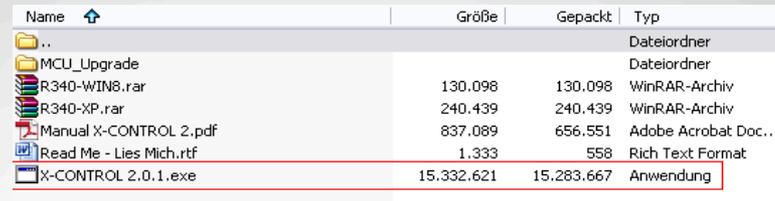
Name ⬆	Größe	Gepackt	Typ
..			Dateiordner
MCU_Upgrade			Dateiordner
R340-WIN8.rar	130.098	130.098	WinRAR-Archiv
R340-XP.rar	240.439	240.439	WinRAR-Archiv
Manual X-CONTROL 2.pdf	837.089	656.551	Adobe Acrobat Doc...
Read Me - Lies Mich.rtf	1.333	558	Rich Text Format
X-CONTROL 2.0.1.exe	15.332.621	15.283.667	Anwendung

3. Connect the DSP to your PC and open the MCU_Upgrade file folder.
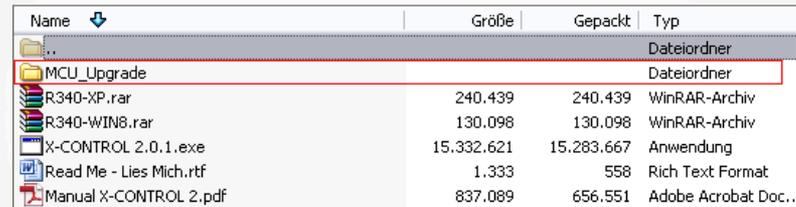
Name ⬇	Größe	Gepackt	Typ
..			Dateiordner
MCU_Upgrade			Dateiordner
R340-XP.rar	240.439	240.439	WinRAR-Archiv
R340-WIN8.rar	130.098	130.098	WinRAR-Archiv
X-CONTROL 2.0.1.exe	15.332.621	15.283.667	Anwendung
Read Me - Lies Mich.rtf	1.333	558	Rich Text Format
Manual X-CONTROL 2.pdf	837.089	656.551	Adobe Acrobat Doc...

4. Start the application McuUpgrade.exe. The update automatically installs and takes about 30 sec.
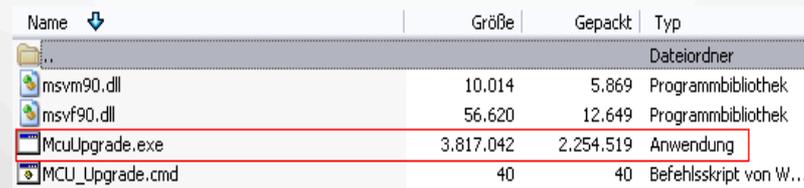
Name ⬇	Größe	Gepackt	Typ
..			Dateiordner
msvm90.dll	10.014	5.869	Programmbibliothek
msvf90.dll	56.620	12.649	Programmbibliothek
McuUpgrade.exe	3.817.042	2.254.519	Anwendung
MCU_Upgrade.cmd	40	40	Befehlsskript von W...

Entpacke aus Archiv X-CONTROL_2.0.1.rar

Archiv C:\DOKUME~1\T1CE4~...\X-CONTROL_2.0.1.rar
Entpacke
X-CONTROL 2.0.1.exe   27%

Vergangene Zeit   00:00:00
Verbleibende Zeit   00:00:00

Verarbeitete Daten   0%

| Hintergrund | Pause |
| Abbruch | Modus... | Hilfe |

C:\DOKUME~1\T1CE4~1.TAS\LOKALE~1\Temp\Rar$EXa0.628\MCU_Upgrade\McuUpgrade.exe

```
Connected device
open ./msvf90.dll
file size is: 56620
Begain erase flash chip
```