

Tutorial «Mixing an Orchestra»

History (V 1.77, December 2023)

English	Deutsch
<p>December, 2023 - V1.77</p> <p><i>New:</i></p> <ul style="list-style-type: none">- Basics I (Equalizer)- A finished mix is explained I (Pirates of the caribbean) <p><i>Additions/Changes:</i></p> <ul style="list-style-type: none">- Setup Mixing Console (Mixing Instruments from different Libraries)- Useful Effects / Nützliche Effekte- Installation (Digital-Input Studio-Monitors -> System 2023 Createc)- The perfect Mix >> Basics (A good mix - explained graphically)	<p>Dezember, 2023 - V1.77</p> <p><i>Neu:</i></p> <ul style="list-style-type: none">- Basics I (Equalizer)- Ein fertiger Mix erklärt I (Pirates of the caribbean) <p><i>Ergänzungen/Änderungen:</i></p> <ul style="list-style-type: none">- Setup Mixing Console (Mischen von Instrumenten aus verschiedenen Libraries)- Useful Effects / Nützliche Effekte- Installation (Digital-Input von Monitor -> System 2023 Createc)- Der perfekte Mix >> Basics (Ein guter Mix - grafisch erklärt)
<p>November, 2022 - V1.75</p> <p><i>Some browsers did not manage with 1.70 to display the navigation correctly. Therefore...</i></p> <p><i>New:</i></p> <ul style="list-style-type: none">- Change to another responsive design with different navigation.- New software version for creating the tutorial.- Real Example II (3b Mixing Solos)- Real Example III (3b Mixing Solos)- Mastering with OZONE & Co (What can Mastering Plugins do? / What can they not do?) <p><i>Additions/Changes:</i></p> <ul style="list-style-type: none">- Studio Monitors- Practice / Übungen (3b Mixing Solos)- Basics (Panner: New content & adjustments)- Practice I / Übungen I (Solution added)- Important-Wichtig (Mixing with Audio-Files)	<p>November, 2022 - V1.75</p> <p>Einige Browser haben es nicht geschafft, die Navigation korrekt anzuzeigen. Deshalb...</p> <p><i>Neu:</i></p> <ul style="list-style-type: none">- Wechsel zu einem anderen resp. Design mit anderer Navigation.- Neue Software-Version zur Erstellung des Tutorials- Real Example II (3b Mixing Solos)- Real Example III (3b Mixing Solos)- Mastering mit OZONE & Co (Was können Mastering-Plugins? / Was nicht?) <p><i>Ergänzungen/Änderungen:</i></p> <ul style="list-style-type: none">- Studio Monitors- Practice / Übungen (3b Mixing Solos)- Basics (Panner: Neuer Inhalt & Anpassungen)- Practice I / Übungen I (Lösung hinzugefügt)- Important-Wichtig (Mixing mit Audio-Files)
<p>April, 2022 - V1.70</p> <p><i>New:</i></p> <ul style="list-style-type: none">- Change to a new design that adapts responsively to the used screen. As a rule, this leads to larger fonts and hopefully, in most cases, more pleasant reading.- Mixing: 2 Examples- Sitemap "Tutorial" in the lower Menu <p><i>Additions/Changes:</i></p> <ul style="list-style-type: none">- Aimes- Parallel-Compression (my Setup)- Limiter/Basics- Metering / Correlation Meter / Analyzer- Stereo-Tools / Basics- Spectrum Editor / Practice / Übungen- Preconditions / Installation <p><i>General:</i></p> <ul style="list-style-type: none">- Several adjustments to the new design- Some improvements.- Some adjustments/updates of the content	<p>April, 2022 - V1.70</p> <p><i>Neu:</i></p> <ul style="list-style-type: none">- Wechsel zu einem neuen Design, das sich responsiv an den Bildschirm anpasst. In der Regel führt das zu grösserer Schrift und hoffentlich in den meisten Fällen zu angenehmerem Lesen.- Mixing: 2 Examples- "Sitemap" im unteren Menu <p><i>Ergänzungen/Änderungen:</i></p> <ul style="list-style-type: none">- Aimes (Ziele des Mischens)- Parallel-Compression (mein Setup)- Limiter/Basics- Metering / Correlation Meter / Analyzer- Stereo-Tools / Basics- Spektrum Editor / Practice / Übungen- Preconditions / Installation <p><i>Generell:</i></p> <ul style="list-style-type: none">- Mehrere Anpassungen an das neue Design- Einige Verbesserungen, hauptsächlich Text.- Einige Anpassungen/Aktualisierungen des Inhalts.

<p>January, 2022 - V1.60</p> <p><i>New:</i></p> <ul style="list-style-type: none"> - Monoize a Stereosignal - Creating Depths III - Creating Depths IV - A first small mix - Algo-Reverbs & Depths (Creat. Depths only with Algo-Reverbs) - Practice II / Übungen II (for chapter "Algo-Reverbs & Depths") - Practice / Übung II (at Hearing_Gehör) <p><i>Additions/Changes:</i></p> <ul style="list-style-type: none"> - Sound analysis (at "Mastering") formerly "Sound Design" - EQ-Mistakes-Fehler > E2 (Customer example: Remove "bad frequencies") - Useful Effects / Nützliche Effekte (mvMeter2) - Compressor types (FET) - Practice III / Übungen III (Additions / customer feedback in the solutions) - Basics I (Mastering) <p><i>General:</i></p> <ul style="list-style-type: none"> - Some improvements. 	<p>Januar, 2022 - V1.60</p> <p><i>Neu:</i></p> <ul style="list-style-type: none"> - Monoize a Stereosignal - Creating Depths III - Creating Depths IV - Ein erster kleiner Mix - Algo-Reverbs & Depths (Herst. Raumtiefen nur mit Algo-Reverbs) - Practice II / Übungen II (zum Kapitel "Algo-Reverbs & Depths") - Practice / Übung II (at Hearing_Gehör) <p><i>Ergänzungen/Änderungen:</i></p> <ul style="list-style-type: none"> - Sound analysis (Mastering) vormals "Sounddesign" - EQ-Mistakes-Fehler > D2, (Kundenbeispiel: Entfernen "schlechte Frequenzen") - Useful Effects / Nützliche Effekte (mvMeter2) - Compressor types (FET) - Practice III / Übungen III (Ergänzungen / Kundenfeedback in den Lösungen) - Basics I (Mastering) <p><i>Generell:</i></p> <ul style="list-style-type: none"> - Einige Verbesserungen, hauptsächlich Text.
<p>April, 2021 – V1.55</p> <p><i>New:</i></p> <ul style="list-style-type: none"> - New Impuls Responses (Cre2021_Early_Reflections for creating depths) - Using the ER-Irs for "pushing into the depths" of instruments - Dither <p><i>Additions:</i></p> <ul style="list-style-type: none"> - at Useful Effects / Nützliche Effekte - at Air-EQ <p><i>General:</i></p> <ul style="list-style-type: none"> - Some text improvements. 	<p>April, 2021 – V1.55</p> <p><i>Neu:</i></p> <ul style="list-style-type: none"> - Neue Impuls Responses (Cre2021_Early_Reflections for creating depths) - Depths 1-4/ Halltiefen1-4 für das "in die Tiefe schieben" von Instrumenten - Dither <p><i>Ergänzungen:</i></p> <ul style="list-style-type: none"> - im Kapitel Useful Effects / Nützliche Effekte - im Kapitel Air-EQ <p><i>Generell:</i></p> <ul style="list-style-type: none"> - Textverbesserungen
<p>June, 2020 – V1.50</p> <p><i>New:</i></p> <ul style="list-style-type: none"> - Panner & Crossfeed - The perfect Mix >> Basics - Mixing as in reality? - Mastering Basics I - Mastering Basics III - Mastering Practice IV - Checklist_my mix.pdf [173 KB] - Binaural Audio (new chapter) <p><i>Additions:</i></p> <ul style="list-style-type: none"> - at EQ-Mistakes-Fehler - at EQ in AudioTrack - Preconditons_Hearing_Questions.pdf [163 KB] - 2 Mixing - Setup Mixing Console (reorganized) <p><i>General:</i></p> <ul style="list-style-type: none"> - Some improvements. 	<p>Juni, 2020 – V1.50</p> <p><i>Neu:</i></p> <ul style="list-style-type: none"> - Panner & Crossfeed - Der perfekte Mix >> Basics - Mischen wie in der Realität? - Mastering Basics I - Mastering Basics III - Mastering Übungen IV - Checkliste für meinen_Mix.pdf [173 KB] - Binaural Audio (neues Kapitel) <p><i>Ergänzungen:</i></p> <ul style="list-style-type: none"> - im Kapitel EQ-Mistakes-Fehler - im Kapitel EQ in AudioTrack - Preconditions_Gehör_Fragen.pdf [142 KB] - 2 Mixing - Setup Mixing Console (neu organisiert) <p><i>Generell:</i></p> <ul style="list-style-type: none"> - Textverbesserungen

<p>September, 2019 – V1.45</p> <p><i>New:</i></p> <ul style="list-style-type: none"> - Spectrum-Editor (partly already in V1.40) - Air-EQ - Eqs sound different <p><i>Additions:</i></p> <ul style="list-style-type: none"> - Aimes Extension of the content - Matching EQ (Used also OZONE 8 as Matching EQ) - Parametric EQ (Changed Application C) - EQ-Mistakes-Fehler (Added a 4th mistake) - EQ Practice / Übungen (Important Note at "LOW CUT") <p><i>General:</i></p> <ul style="list-style-type: none"> - Improvements in the chapters "Compressor, EQ & Limiter". 	<p>September, 2019 – V1.45</p> <p><i>Neu:</i></p> <ul style="list-style-type: none"> - Spectrum-Editor (zum Teil schon in V1.40) - Air-EQ - Eqs sound different <p><i>Ergänzungen:</i></p> <ul style="list-style-type: none"> - Aimes Erweiterung des Inhaltes - Matching EQ (benutzte auch OZONE8 EQ als "Matching EQ") - Parametric EQ (wechselte Applikation C) - EQ-Mistakes-Fehler (Ergänzt: einen 4. Fehler) - EQ Practice / Übungen (Wichtiger Hinweis bei "LOW CUT") <p><i>Generell:</i></p> <ul style="list-style-type: none"> - Verbesserungen in den Kapiteln "Kompressor, EQ & Limiter" - Sprachkorrekturen in den Kapiteln "Kompressor, Limiter, EQ"
<p>April, 2019 - V1.40</p> <p><i>New:</i></p> <ul style="list-style-type: none"> - Monitor Controller - Correct Levels / Peak - Level - Part A / Peak - Level - Part B - Creating Depths II >>> 1:1 instructions <p><i>Additions:</i></p> <ul style="list-style-type: none"> - EQ-Mistakes-Fehler - Useful Effects / Nützliche Effekte - Dynamic EQ (Advantage/Disadvantage) - Matching EQ - Loudness-Meter (So how to measure Loudness?) - Panner in Audiotrack <p><i>General:</i></p> <ul style="list-style-type: none"> - Some text improvements (mainly in the German parts). 	<p>April, 2019 - V1.40</p> <p><i>Neu:</i></p> <ul style="list-style-type: none"> - Monitor Controller - Correct Levels / Peak - Level - Part A / Peak - Level - Part B - Creating Depths II >>> 1:1-Anleitung <p><i>Ergänzungen:</i></p> <ul style="list-style-type: none"> - EQ-Mistakes-Fehler - Useful Effects / Nützliche Effekte - Dynamic EQ (Vorteil/Nachteil) - Matching EQ - Loudness-Meter (Loudnessmessung wie nun?) - Panner in Audiotrack <p><i>Generell:</i></p> <ul style="list-style-type: none"> - Ein paar Textverbesserungen (haupts. deutsche Texte)
<p>December, 2018 - V1.35</p> <p><i>New:</i></p> <ul style="list-style-type: none"> - Spectrum-Editor (incl. 2x Practice) <p><i>Additions:</i></p> <ul style="list-style-type: none"> - Useful Effects / Nützliche Effekte <p><i>General:</i></p> <ul style="list-style-type: none"> - Some text improvements 	<p>Dezember, 2018 - V1.35</p> <p><i>Neu:</i></p> <ul style="list-style-type: none"> - Spectrum-Editor (inkl. 2 Übungen) <p><i>Ergänzungen:</i></p> <ul style="list-style-type: none"> - Useful Effects / Nützliche Effekte <p><i>Allgemein:</i></p> <ul style="list-style-type: none"> - Einige Textverbesserungen
<p>November, 2018 - V1.30</p> <p><i>New:</i></p> <ul style="list-style-type: none"> - FAQ - Compressor types - Practice III / Übungen III (Chapter "Compressor") - about Transients - Practice IV / Übungen IV (DeEsser as Dynamic EQ) - Mixing: 10 Steps from Midi - Audio <p><i>Additions:</i></p> <ul style="list-style-type: none"> - at Useful Effects / Nützliche Effekte <p><i>General:</i></p> <ul style="list-style-type: none"> - Some text improvements 	<p>November, 2018 - V1.30</p> <p><i>Neu:</i></p> <ul style="list-style-type: none"> - FAQ - Compressor types - Practice III / Übungen III (Kapitel "Kompressor") - über Transienten - Practice IV / Übungen IV (DeEsser als Dynamik-EQ) - Mixing: 10 Steps from Midi - Audio <p><i>Ergänzungen:</i></p> <ul style="list-style-type: none"> - in Useful Effects / Nützliche Effekte <p><i>Allgemein:</i></p> <ul style="list-style-type: none"> - Einige Textverbesserungen

<p>September, 2018 - V1.25 (not published)</p> <p><i>New:</i></p> <ul style="list-style-type: none"> - Preconditions For Mixing Audio - Matching EQ <p><i>Additions:</i></p> <ul style="list-style-type: none"> - to Studio Monitors - A link to the new article "About Reverbs" <p><i>General:</i></p> <ul style="list-style-type: none"> - Some text improvements (mainly in the German parts). 	<p>September, 2018 - V1.25 (nicht publiziert)</p> <p><i>Neu:</i></p> <ul style="list-style-type: none"> - Voraussetzungen For Mixing Audio - Matching EQ <p><i>Ergänzungen:</i></p> <ul style="list-style-type: none"> - bei Studio Monitors - Ein Link zum neuen Artikel "About Reverbs" <p><i>Allgemein:</i></p> <ul style="list-style-type: none"> - Einige Textverbesserungen (deutsch).
<p>August, 2018 - V1.21</p> <p><i>Improvement:</i></p> <ul style="list-style-type: none"> - Removed modules that could cause errors in certain browsers ("Reverb" and "Useful Plugins"). 	<p>August, 2018 - V1.21</p> <p><i>Verbesserung:</i></p> <ul style="list-style-type: none"> - Module entfernt, die in gewissen Browsern zu Fehlern führen konnten (bei "Reverb" und "Useful Plugins").
<p>August, 2018 - V1.20</p> <p><i>New:</i></p> <ul style="list-style-type: none"> - Parallel-Compression / Practice II / Übungen II - Dynamic & Volume (About the dynamics (volume) in a mix?) - Standards (about Orchestra Setups) - Useful Effects / Nützliche Effekte (recommended VST-Effects) <p><i>Additions:</i></p> <ul style="list-style-type: none"> - to Mastering Basics and Designing Sounds. <p><i>General:</i></p> <ul style="list-style-type: none"> - Some text improvements (mainly in the German parts). 	<p>August, 2018 - V1.20</p> <p><i>Neu:</i></p> <ul style="list-style-type: none"> - Parallel-Compression / Practice II / Übungen II - Dynamik & Lautstärke (Wie gross soll im Mix die Dynamik der Lautstärke sein?) - Standards (über die Platzierung der Instrumente auf der Bühne) - Useful Effects / Nützliche Effekte (empfohlene VST-Effekte) <p><i>Ergänzungen</i></p> <ul style="list-style-type: none"> - bei Masetring Basics und Designing Sounds. <p><i>Allgemein:</i></p> <ul style="list-style-type: none"> - Einige Textverbesserungen (deutsch).
<p>August, 2018 - V1.10</p> <p><i>Publication</i></p> <p>Updates will be free until further notice.</p>	<p>August, 2018 - V1.10</p> <p><i>Publikation</i></p> <p>Updates sind bis auf weiteres kostenlos.</p>

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