MPX 200

24-BIT DUAL CHANNEL PROCESSOR

User Guide

Input

lexicon

H A Harman International Company

ii

US   English

Important Safety Instructions

Save these instructions for later use.

Follow all instructions and warnings marked on the unit.

Always use with the correct line voltage. Refer to the manufacturer's operating instructions for the power requirements. Be advised that different operating voltages require the use of a different line cord and/or attachment plug.

Do not install this unit in an unventilated rack, nor directly above items that generate heat, such as power amplifiers. Observe the maximum ambient operating temperature listed in the product specification.

The openings on the case are provided for ventilation; to ensure reliable operation and prevent it from overheating, these openings must not be blocked or covered. Never push objects of any kind through any of the ventilation slots. Never spill any liquids on the unit.

Never attach audio power amplifier outputs directly to any of the unit's connectors.

To prevent shock or fire hazard, do not expose the unit to rain or moisture, or operate it where it will be exposed to moisture. Do not attempt to operate the unit if it has been dropped, damaged, exposed to liquids, or if it exhibits a distinct change in performance indicating the need for service. This unit should only be opened by qualified service personnel. Removing covers will expose you to hazardous voltages.

This triangle, which appears on your component, alerts you to the presence of uninsulated, dangerous voltage inside the enclosure…voltage that may be sufficient to constitute a risk of shock.

This triangle, which appears on your component, alerts you to important operating and maintenance instructions in this accompanying literature.

PT   Portuguese

Instruções de Segurança importantes

Economize estas instruções para uso posterior.

Siga todas as instruções e advertências marcadas na unidade.

Sempre use com a voltagem de linha correta. Se refira ao fabricante está operando instruções para as exigências de poder. Seja aconselhado que voltagens operacionais diferentes requeiram para o uso uma corda de linha diferente ou tomada de anexo.

Não instale esta unidade em uma prateleira de unventilated, nem diretamente sobre artigos que geram calor, como amplificadores de poder. Observe o máximo que temperatura operacional ambiente listou na especificação de produto.

São providas as aberturas no caso para ventilação; assegurar operação segura e impedir isto de aquecer demais, não devem ser bloqueadas estas aberturas ou devem ser cobertas. Nunca empurre objetos de qualquer amável por quaisquer das aberturas de ventilação. Nunca derrame qualquer liquido na unidade.

Nunca prenda amplificador de poder auditivo produz diretamente a quaisquer dos conectores da unidade.

Prevenir choque ou perigo de incêndio, não exponha a unidade para chover ou umidade, ou opera isto onde será exposto a umidade. Não tente operar a unidade se foi derrubado, estragado, exposto a liquidos, ou se exibe uma mudança distinta em desempenho que indica a necessidade por serviço. Esta unidade só deveria ser aberta através de pessoal de serviço qualificado. Removendo coberturas o exporão a voltagens perigosas.

Este triângulo que se aparece em seu componente o alerta à presença de uninsulated, voltagem perigosa dentro do enclosure…voltage que pode ser suficiente para constituir um risco de choque.

Este triângulo que se aparece em seu componente o alerta a operando importantes e instruções de manutenção nesta literatura acompanhante.

DE

Deutsch

Wichtige Sicherheitsanweisungen

Heben Sie sich diese Sicherheitsanweisungen auch für später auf.

Befolgen Sie alle auf der Vorrichtung stehenden Anweisungen und Warnungen.

Immer nur mit der richtigen Spannung verwenden! Die Gebrauchsanweisungen des Herstellers informieren Sie über die elektrischen Anforderungen. Vergessen Sie nicht daß bei verschiedenen Betriebsspannungen ggf. auch verschiedene Leitungskabel und/oder Verbindungsstecker zu verwenden sind.

Stellen Sie die Vorrichtung nicht in ein unbelüftetes Gestell oder unmittelbar über wärmeerzeugende Geräte wie z.B. Tonverstärker. Halten Sie die in den Produktspezifikationen angegebene maximale Umgebungstemperatur bei Betrieb ein.

Schlitze und Öffnungen im Gehäuse dienen der Belüfung; um verläßlichen Betrieb sicherzustellen und Überheizen zu vermeiden dürfen diese Öffnungen nich verstopft oder abgedeckt werden. Stecken Sie nie irgend einen Gegenstand durch die Belüftungsschlitze. Vergießen Sie keine Flüssigkeiten auf den Apparat.

Dieses Produkt is mit einem 3-drahtigen Erdungsstecker ausgerüstet. Diese Sicherheitsmaßnahme darf nicht unwirksam gemacht werden.

Schließen Sie nie Tonverstärker unmittelbar an einen Anschluß des Apparates an.

Um elektrischen Schlag oder Feuer zu vermeiden, setzen Sie den Apparat weder Regen noch Feuchtigkeit aus und betreiben Sie ihn nicht dort wo Wasser eindringen könnte.

Versuchen Sie nicht den Apparat zu betreiben falls er fallen gelassen, beschädigt, oder Flüssigkeiten ausgesetzt wurde, oder falls sich seine Arbeitsweise derart ändert daß daraus ein Bedarf nach Raparatur zu schließen ist.

Dieser Apparat sollte nur von qualifizierten Fachleuten geöffnet werden. Das Abnehmen von Abdeckungen setzt Sie gefährlichen Spannungen aus.

Dieses Dreieck auf Ihrem Apparat warnt Sie vor nicht-isolierter, gefährlicher Spannung im Gehäuse ... stark genug um eine Berührungsgefahr darzustellen.

Dieses Dreieck auf Ihrem Apparat bedeutet daß wichtige Betriebs- und Wartungsanweisungen in der mitgelieferten Dokumentation zu finden sind.

ES

Español

Instrucciones importantes de seguridad

Guarde esta instrucciones para uso posterior.

Utilice siempre el voltaje correcto. Dirijase a las instrucciones de operación del fabricante para obtener las especificaciones de potencia. Esté al tanto de que voltajes de operación distintos requieren el uso de cables y/o enchufes distintos.

No instale esta unidad en un estante sin ventilación, ni tampoco directamente encima de equipos que generen calor tales como amplificadores de potencia. Fijese en las temperaturas ambientales máximas de operación que se mencionan en las especificaciones del producto.

Las aperturas y ranuras del chasis sirven para proveer la ventilación necesaria para operar la unidad con seguridad y para prevenir sobrecalentamiento, y por lo tanto no pueden ser obstruidas o cubiertas. No introduzca objetos de ningún tipo a través de las ranuras de ventilación, y nunca deje caer ningún liquido sobre la unidad.

Este producto está equipado con un enchufe de 3 clavijas con conexión a tierra. Éste es un elemento de seguridad que no debe ser eliminado.

Nunca conecte ningún tipo de salida de amplificadores de sonido directamente a los conectores de la unidad.

Para prevenir descargas eléctricas o incendios, mantenga la unidad alejada de la lluvia, humedad o cualquier lugar en el que pueda entrar en contacto con agua.

No trate de hacer funcionar la unidad si se ha caído, está dañada, ha entrado en contacto con liquidos, o si nota cualquier cambio brusco en su funcionamiento que indique la necesidad de hacerle un servicio de mantenimiento.

Esta unidad deberá ser abierta únicamente por personal calificado. Si usted quita las coberturas se expondrá a voltajes peligrosos.

Este triángulo que aparece en su componente le advierte sobre la existencia dentro del chasis de voltajes peligrosos sin aislantes ... voltajes que son lo suficientemente grandes como para causar electrocución.

Este triángulo que aparece en su componente lo alerta sobre las instrucciones de operación y mantenimiento importantes que están en los materiales de lectura que se incluyen.

FR   Français

Instructions de Sûreté Importantes

Gardez ces instructions pour réference future.

Observez toutes les instructions et tous les avertissements marqués sur l'appareil.

Branchez uniquements sur un réseau de tension indiquée. Consultez le manuel d'instruction du fabriquant pour les spécifications de courant. N'oubliez pas que différentes tensions peuvent nécessiter l'utilisation de cables et/ou de fiches de connexion différents.

N'installez pas l'appareil en un compartiment non-aéré ou directement au-dessus d'équipements générateurs de chaleur, tels qu'amplificateurs de courants, etc. Ne dépassez pas la température ambiante maximale de fonctionnement indiquée dans les spécifications du produit.

Des fentes et ouvertures sont prévues dans le boitier pour l'aération; Pour assurer le bon fonctionnement et pour prévenir l'échauffement, ces ouvertures ne doivent pas être couvertes ou bloquées. N'insérez pas d'objets dans les fentes d'aération. Empêchez tout liquide de se répandre sur l'appareil.

Ce produit est muni d'une fiche à trois fils pour la mise à terre. Ceci est une mesure de sécurité et ne doit pas être contrariée.

Ne connectez jamais d'amplificateurs audio directement aux connecteurs de l'appareil.

Pour empêcher les chocs électriques et le danger d'incendie, évitez d'exposer l'appareil à la pluie ou à l'humidité, et ne le mettez pas en marche en un endroit où il serait exposé aux éclaboussures d'eau.

N'essayez pas de faire fonctionner l'appareil s'il est tombé à terre, a été endommangé, exposé à un liquide, ou si vous observez des différences nettes dans son fonctionnement, indiquant la nécessité de réparations.

Cet appareil ne doit être ouvert que par un personnel de service qualifié. En enlevant les couvercles vous vous exposez à des tensions électriques dangereuses.

Ce triangle, sur votre appareil vous avertit de la présence de tension dangereuse, non-isolée à l'intérieur du boitier...une tension suffisante pour représenter un danger d'électrocution.

Ce triangle sur sur votre appareil vous invite de suivre d'importantes instructions d'utilisation et d'entretien dans la documentation livrée avec le produit.

IT   Italiano

Importanti norme di sicurezza

Conservare le presenti norme per l'utilizzo futuro.

Osservare tutte le istruzioni e le avvertenze apposte sull'unità.

Utilizzare esclusivamente con la tensione di rete corretta. Consultare le istruzioni operative fornite dal fabbricante per i dati riguardanti la tensione e l'assorbimento di corrente. Potrebbe essere necessario l'uso di cavi di rete e/o di spine diverse a seconda della tensione utilizzata.

Non installare l'unità in uno scaffale privo di ventilazione oppure direttamente sopra una fonte di calore, come, ad esempio, un amplificatore. Non superare la temperatura ambientale massima di funzionamento riportata nei dati tecnici del prodotto.

Le fessure e le altre aperture nella scatola servono alla ventilazione. Per un funzionamento affidabile, e per evitare un eventuale surriscaldamento, queste aperture non vanno ostruite o coperte in nessun modo. Evitare in tutti i casi di inserire oggetti di qualsiasi genere attraverso le fessure di ventilazione. Non versare mai del liquido di nessun tipo sull'unità.

Questo prodotto viene fornito con una spina a 3 fili con massa. Tale dispositivo di sicurezza non va eliminato.

Evitare sempre di collegare le uscite dell'amplificatore audio direttamente ai connettori dell'unità.

Per prevenire il pericolo di folgorazione e di incendio non esporre l'unità alla pioggia o ad un'umidità eccessiva; evitare di adoperare l'unità dove potrebbe entrare in contatto con acqua.

Evitare di adoperare l'unità se la stessa è stata urtata violentemente, se ha subito un danno, se è stata esposta ad un liquido o in caso di un evidente cambiamento delle prestazioni che indichi la necessità di un intervento di assistenza tecnica.

Ogni intervento sull'unità va eseguito esclusivamente da personale qualificato. La rimozione della copertura comporta l'esposizione al pericolo di folgorazione.

Il presente triangolo impresso sul componente avverte della presenza di tensioni pericolose non isolate all'interno della copertura... tali tensioni rappresentano un pericolo di folgorazione.

Il presente triangolo impresso sul componente avverte l'utente della presenza nella documentazione allegata di importanti istruzioni relative al funzionamento ed alla manutenzione.

DK

Dansk

Vigtig information om sikkerhed

Gem denne vejledning til senere brug.

Følg alle anvisninger og advarsler på apparatet.

Apparatet skal altid tilsluttes den korrekte spænding. Der henvises til brugsanvisningen, der indeholder specifikationer for strømforsyning. Der gøres opmærksom på, at ved varierende driftsspændinger kan det blive nødvendigt at bruge andre lednings- og/eller stiktyper.

Apparatet må ikke monteres i et kabinet uden ventilation eller lige over andet udstyr, der udvikler varme, f.eks. forstærkere. Den maksimale omgivelsestemperatur ved drift, der står opført i specifikationerne, skal overholdes.

Der er ventilationsåbninger i kabinettet. For at sikre apparatets drift og hindre overophedning må disse åbninger ikke blokeres eller tildækkes. Stik aldrig noget ind igennem ventilationsåbningerne, og pas på aldrig at spilde nogen form for væske på apparatet.

Dette apparat er forsynet med et stik med jordforbindelse. Denne sikkerhedsforanstaltning må aldrig omgås.

Udgangsstik fra audioforstærkere må aldrig sættes direkte i apparatet.

Apparatet må ikke udsættes for regn eller fugt og må ikke bruges i nærheden af vand for at undgå risiko for elektrisk stød og brand.

Apparatet må aldrig bruges, hvis det er blevet stødt, beskadiget eller vådt, eller hvis ændringer i ydelsen tyder på, at det trænger til eftersyn.

Dette apparat må kun åbnes af fagfolk. Hvis dækslet tages af, udsættes man for livsfarlig højspænding.

Denne mærkat på komponenten advarer om uisoleret, farlig spænding i apparatet ... høj nok til at give elektrisk stød.

Denne mærkat på komponenten advarer om vigtig driftsog vedligeholdsinformation i den tilhørende litteratur.

FI

Suomi

Tärkeitä turvallisuusohjeita

Säilytä nämä ohjeet tulevaa käyttöä varten.

Seuraa kaikkia yksikköön merkittyjä ohjeita ja varoituksia.

Käytä aina oikeaa verkkojännitettä. Tehovaatimukset selviävät valmistajan käyttöohjeista. Huomaa, että eri käyttöjännitteet saattavat vaatia toisenlaisen verkkojohdon ja/tai -pistokkeen käytön.

Älä asenna yksikköä telineeseen jossa ei ole tuuletusta, tai välittömästi lämpöä tuottavien laitteiden, esim. tehovahvistimien, yläpuolelle. Ympäristön lämpötila käytössä ei saa ylittää tuotespesifikaation maksimilämpötilaa.

Kotelo on varustettu tuuletusreiillä ja -aukoilla. Luotettavan toiminnan varmistamiseksi ja ylilämpenemisen välttämiseksi näitä aukkoja ei saa sulkea tai peittää. Mitään esineitä ei saa työntää tuuletusaukkoihin. Mitään nesteitä ei saa kaataa yksikköön.

Tuote on varustettu 3-johtimisella maadoitetulla verkkopistokkeella. Tämä on turvallisuustoiminne eikä sitä saa poistaa.

Älä kytke audiotehovahvistimen lähtöjä suoraan mihinkään yksikön liittimeen.

Sähköiskun ja palovaaran välttämiseksi yksikkö ei saa olla sateessa tai kosteassa, eikä sitä saa käyttää märässä ympäristössä.

Älä käytä yksikköä jos se on pudonnut, vaurioitunut, kostunut, tai jos sen suorituskyky on huomattavasti muuttunut, mikä vaatii huoltoa.

Yksikön saa avata vain laitteeseen perehtynyt huoltohenkilö. Kansien poisto altistaa sinut vaarallisille jännitteille.

Tämä kolmio, joka esiintyy komponentissasi, varoittaa sinua eristämättömän vaarallisen jännitteen esiintymisestä yksikön sisällä. Tämä jännite saattaa olla riittävän korkea aiheuttamaan sähköiskuvaaran.

Tämä kolmio, joka esiintyy komponentissasi, kertoo sinulle, että tässä tuotedokumentoinnissa esiintyy tärkeitä käyttö- ja ylläpito-ohjeita.

NO — Norsk

Viktig informasjon om sikkerhet

Ta vare på denne veiledningen for senere bruk.

Følg alle anvisningene og advarslene som er angitt på apparatet.

Apparatet skal alltid anvendes med korrekt spenning. Produktbeskrivelsen inneholder spesifikasjoner for strømkrav. Vær oppmerksom på at det ved ulike driftsspenninger kan være nødvendig å bruke en annen ledning- og/eller støpseltype.

Apparatet skal ikke monteres i skap uten ventilasjon, eller direkte over varmeproduserende utstyr, som for eksempel kraftforsterkere. Den maksimale romtemperaturen som står oppgitt i produktbeskrivelsen, skal overholdes.

Apparatet er utstyrt med ventilasjonsåpninger. For at apparatet skal være pålitelig i bruk og ikke overopphetes, må disse åpningene ikke blokkeres eller tildekkes. Stikk aldri noe inn i ventilasjonsåpningene, og pass på at det aldri søles noen form for væske på apparatet.

Dette apparatet er utstyrt med et jordet støpsel. Dette er en sikkerhetsforanstaltning som ikke må forandres.

Utgangsplugger fra audioforsterkere skal aldri koples direkte til apparatet.

Unngå brannfare og elektrisk støt ved å sørge for at apparatet ikke utsettes for regn eller fuktighet og ikke anvendes i nærheten av vann.

Apparatet skal ikke brukes hvis det har blitt utsatt for støt, er skadet eller blitt vått, eller hvis endringer i ytelsen tyder på at det trenger service.

Dette apparatet skal kun åpnes av fagfolk. Hvis dekselet fjernes, utsettes man for livsfarlig høyspenning.

Komponenten er merket med denne trekanten, som er en advarsel om at det finnes uisolert, farlig spenning inne i kabinettet ... høy nok til å utgjøre en fare for elektrisk støt.

Komponenten er merket med denne trekanten, som betyr at den tilhørende litteraturen inneholder viktige opplysninger om drift og vedlikehold.

SE — Svenska

Viktiga säkerhetsföreskrifter

Spara dessa föreskrifter för framtida bruk.

Följ alla anvisningar och varningar som anges på enheten.

Använd alltid rätt nätspänning. Se tillverkarens bruksanvisningar för information om effektkrav. Märkväl, att andra matningsspänningar eventuellt kräver att en annan typs nätsladd och/eller kontakt används.

Installera inte enheten i ett oventilerat stativ, eller direkt ovanför utrustningar som avger värme, t ex effektförstärkare. Se till att omgivningens temperatur vid drift inte överskrider det angivna värdet i produktspecifikationen.

Behållaren är försedd med hål och öppningar för ventilering. För att garantera tillförlitlig funktion och förhindra överhettning får dessa öppningar inte blockeras eller täckas. Inga föremål får skuffas in genom ventilationshålen. Inga vätskor får spillas på enheten.

Produkten är försedd med en jordad 3-trådskontakt. Detta är en säkerhetsfunktion som inte får tas ur bruk.

Anslut aldrig audioeffektförstärkarutgångar direkt till någon av enhetens kontakter.

För att undvika elstöt eller brandfara får enheten inte utsättas för regn eller fukt, eller användas på ställen där den blir våt.

Använd inte enheten om den har fallit i golvet, skadats, blivit våt, eller om dess prestanda förändrats märkbart, vilket kräver service.

Enheten får öppnas endast av behörig servicepersonal. Farliga spänningar blir tillgängliga när locken tas bort.

Denna triangel, som visas på din komponent, varnar dig om en oisolerad farlig spänning inne i enheten. Denna spänning är eventuellt så hög att fara för elstöt föreligger.

Denna triangel, som visas på din komponent, anger att viktiga bruksanvisningar och serviceanvisningar ingår i dokumentationen i fråga.

US *Important User Information*

We are pleased to present our user guides on CD-ROM. By utilizing CD-ROM technology we are able to provide our documentation in multiple languages.

The printed edition of the user guide is in English only. The enclosed CD-ROM includes the user guide in multiple languages (Spanish, French, Italian, German, and Portuguese) in easy-to-use PDF format. The CD-ROM also includes Adobe® Acrobat® Readers for both PC and Macintosh platforms, enabling printing of all or any part of the documents.

In addition, we have included dry tracks to simplify product demonstrations.

Please take a moment to read through the important safety information contained at the front of this manual before installing the CD-ROM. For additional information about Lexicon, Inc., our products and support, please visit our web site at www.lexicon.com.

Unpacking and Inspection

After unpacking the unit, save all packing materials in case you ever need to ship the unit. Thoroughly inspect the modules and packing materials for signs of damage. Report any damage to the carrier at once; report equipment malfunction to your dealer.

ES *La Información del Usuario importante*

Nosotros nos agradamos para presentar nuestras guías del usuario en CD-ROM. Utilizando la tecnología de CD-ROM nosotros podemos proporcionar nuestra documentación en los idiomas múltiples.

La edición impresa de la guía del usuario sólo está en inglés. El CD-ROM adjunto incluye la guía del usuario en los idiomas múltiples (español, francés, italiano, alemán, y portugués) en fácil-a-use el formato de PDF. El CD-ROM también incluye a los Adobe® Acrobat® Reader para PC y plataformas de Macintosh que habilitan impresión de todos o cualquier parte de los documentos.

Por favor tome un momento para leer a través de la información de seguridad importante contuvo al frente de este manual antes de instalar el CD-ROM. Para la información adicional sobre el Lexicon, Inc., nuestros productos, y apoya, por favor visite nuestro sitio web al www.lexicon.com.

Desempaquetando e Inspección

Después de desempaquetar la unidad, ahorra todos los materiales del embalaje en caso de que usted alguna vez necesita enviar la unidad. Completamente inspeccione los módulos y condensando los materiales para las señales de daño. Informe cualquier daño en seguida al portador; el funcionamiento defectuoso de equipo de informe a su distribuidor.

FR *L'Information de l'Utilisateur importante*

Nous sommes heureux de présenter nos guides d'utilisation sur CD-ROM. En utilisant la technologie CD-ROM nous sommes capables de fournir notre documentation dans les multiples langues.

L'édition imprimée du guide d'utilisation est dans anglais seulement. Le CD-ROM clos inclut le guide d'utilisation dans les multiples langues (espagnol, français, Italien, allemand, et Portugais) dans facile utiliser le format PDF. Le CD-ROM inclut aussi des Adobe® Acrobat® Reader pour PC et plates-formes Macintosh qui permettent impression de tout ou toute partie des documents.

S'il vous plaît prenez un moment pour lire l'information de la sécurité importante a contenu au devant de ce manuel avant d'installer le CD-ROM. Pour information supplémentaire au sujet de Lexicon, Inc., nos produits, et supporte, s'il vous plaît visitez notre site web à www.lexicon.com.

Déballer et Inspection

Après avoir déballé l'unité, sauve toutes les matières de l'emballage au cas où vous avez besoin jamais de transporter l'unité. Entièrement inspectez les modules et emballer des matières pour signes de dégât. Rapportez tout dégât au porteur à la fois; fonctionnement défectueux du matériel du rapport à votre revendeur.

IT *Informazioni di Utente importanti*

Noi siamo lieti di presentare le nostre guide di utente su CD-ROM. Utilizzando la tecnologia di CD-ROM noi siamo capaci di provvedere la nostra documentazione in lingue multiple.

L'edizione stampata del manuale utente è solamente in inglesi. Il CD-ROM incluso include il manuale utente in lingue multiple (spagnolo, francese, italiano, tedesco, ed il portoghese) in configurazione di PDF facile da usare. Il CD-ROM include anche Adobe® Acrobat® Reader per PC e Macintosh colloca su una piattaforma stampando abilitante di tutti o alcuna parte dei documenti.

Per favore prenda un momento per leggere attraverso le informazioni di sicurezza importanti contenne alla fronte di questo manuale prima di installare il CD-ROM. Per informazioni supplementari su Lexicon, Inc., i nostri prodotti e sostiene, per favore visiti il nostro sito web a www.lexicon.com.

Spacchettando ed Ispezione

Dopo avere spacchettato l'unità, mai salvi tutti i materiali di imballaggio in caso che Lei ha bisogno di inviare l'unità. Completamente ispezioni i moduli e comprimendo materiali per segnali di danno. Subito riporti alcun danno al corriere; malfunzionamento di attrezzatura di rapporto al Suo rivenditore.

PT *Informação de Usuário importante*

Nós somos agradados para apresentar nossos guias de usuário em CD-ROM. Utilizando tecnologia de CD-ROM nós podemos prover nossa documentação em idiomas múltiplos.

A edição impresso do guia de usuário só está em inglês. O CD-ROM incluso inclui o guia de usuário em idiomas múltiplos (espanhol, francês, italiano, alemão, e português) em formato de PDF fácil-de-usar. O CD-ROM também inclui os Adobe® Acrobat® Reader para PC e plataformas de Macintosh que habilitam impressão de tudo ou qualquer parte dos documentos.

Por favor leve um momento para ler do princípio ao fim a informação de segurança importante conteve à frente deste manual antes de instalar o CD-ROM. Para informação adicional sobre Lexicon, Inc., nossos produtos, e apóia, por favor visite nosso local de teia a www.lexicon.com.

Desempacotando e Inspeção

Depois de desempacotar a unidade, economiza todos os materiais de embalagem no caso de você já precisa transportar a unidade. Completamente inspecione os módulos e empacotando materiais para sinais de dano. Informe qualquer dano imediatamente ao portador; mau funcionamento de equipamento de relatório para seu negociante.

DE *Wichtiger Benutzer Information*

Uns wird gefallen, um unsere Benutzer-Führer auf CD-ROM zu präsentieren. Wir sind fähig, unsere Dokumentation in mehrfachen Sprachen bereitzustellen, indem wir CD-ROM-Technologie nutzen.

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Getting Started

Thank you for your purchase of the Lexicon MPX 200 Dual Channel Processor—a true stereo dual-channel processor with 24-bit internal processing, 24-bit A/D-D/A and S/PDIF digital inputs and outputs. The MPX 200 features a newly designed digital compressor that works in front of, and in addition to, its outstanding effects. This makes the MPX 200 one of the most powerful processors in its price class.

The MPX 200 includes 240 presets with classic reverb programs such as Ambience, Plate, Chamber and Inverse as well as Tremolo, Rotary, Chorus, Flange, Pitch, Detune, 5.5 second Delay & Echo. Sixty four User locations store your own variations of these programs. Dual-channel processing provides two independent effects in a variety of configurations—Dual Stereo (Parallel), Cascade, Mono Split and Dual Mono—indicated by the Routing LED in each of the dual programs.

Up to eight adjustable parameters (four program and four compressor) are available in each program. The digital compressor is available in all 240 programs, including the dual programs—simultaneously providing two effects and compression. A full range of MIDI control includes Program Change, MIDI bulk dump, and an easy Learn mode that allows MIDI patching of the front panel controls. In addition, tempo-controlled delays and modulation rates lock to Tap or MIDI Clock. Tap tempos are controllable by audio input, the front panel Tap button, dual footswitch, external MIDI controller or MIDI Program Change.

Other features include:

• 3-stage headroom indicators
• 4-stage compressor indicators
• Headphone output
• Software-selectable MIDI OUT/THRU port
• Cue program mode
• Pushbutton or footswitch selection of dry or muted audio output
• Assignable Bypass mode
• Global Mix, Tempo and Compressor modes
• 20Hz-20KHz ± 1dB Frequency Response

FRONT PANEL DETAILS AND USAGE

COMPRESSOR LEDs
Show the amount of gain reduction being obtained.

Input Knob
Sets the level of the incoming signal.

EFFECTS and ROUTING LEDs
Indicate which effects are selected and, for dual-effects programs, which routing is selected.

Compressor Button
When on, the red LED is lit and the 4 LEDs labeled Compressor show the amount of gain reduction being obtained.

Store Button
Indicates Store is active. (When pressed with Tap, activates MIDI learn.)

LEVEL COMPRESSOR EFFECTS ROUTING (DUAL) EDIT

L	R
		Threshold	Compressor	Plate	Hall		Mix	Ratio
– Clip	– 3dB	Chamber	Room	Ambience		Adjust	Threshold
– 12dB	– 10dB	Gate	Flange	Chorus		EQ	Attack
– 30dB	– 20dB	Echo/Delay	Rotry/Trm	Pitch/Detun		Lvl/Ba	Release

Input

225

Load   Compressor   Bypass   Power

MIDI   System

Edit   Learn   Store   Tap/Cancel

Input LEVEL LEDs
Green = Presence of an input signal for L & R channels.
Red = Indicates Input saturating for that channel; or, the internal processing is saturated.

EDIT Parameter Display
Indicates which parameter is selected for editing.

Load Button
Causes the cued program to load. Lights to indicate that the program cued is different from the program currently running.

Edit Button/MIDI LED
Lights to indicate that the current program has been altered from the original. When blinking, there is MIDI activity. To return to cueing new programs, press the Load button.

Adjust Knob
Multi-function knob to select effects and routing, control edit functions, change parameter values. Functions are assignable by pressing Load, Edit, etc.

Bypass Button
Mutes or bypasses the signal, depending on the setting of the system Bypass parameter. Also accesses System parameters when pressed for 2 seconds.

Tap Button
Flashes for Tempo-based programs. Press twice to set a tempo. Hold to have input level determine tempo. (When pressed with Store, activates MIDI learn.)

REAR PANEL DETAILS AND USAGE

Power
Uses a detachable IEC power cable. Use the correct cable for receptacles in your area.

MIDI IN and OUT/THRU
The MPX 200 is shipped with the System parameter for MIDI OUT/THRU set to OUT. To change this to a MIDI THRU port, change the System parameter to THRU.

OUTPUT
L & R 1/4-inch Unbalanced Outputs. If no cable is plugged into the L Output, the R Output provides a mono signal of both channels. If no cable is plugged into the R Output, the L Output can drive a set of stereo headphones.

100-120/220-240V~
50 - 60Hz, 25W

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

ATTENTION
RISQUE DE CHOC
ELECTRIQUE
NE PAS OUVRIR

TO REDUCE THE RISK OF FIRE OR
ELECTRIC SHOCK DO NOT EXPOSE
THIS UNIT TO RAIN OR MOISTURE

FOOTSWITCH
T-TAP
R-BYP
S-GND

MIDI
IN   OUT / THRU

44.1K S/PDIF
IN
OUT

LISTED
PROFESSIONAL
AUDIO EQUIPMENT
8B25

This device complies with Part 15 of the FCC rules.
Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received,
including interference that may cause unwanted operation.

OUTPUT
LEFT (PHONES)   RIGHT (MONO)

INPUT
LEFT   RIGHT (MONO)

Line Voltage Switch
Located on the side of the unit.

IMPORTANT!
Be sure to select the appropriate voltage for your area to avoid damage to the unit.

FOOTSWITCH
A momentary-contact footswitch.
Tip - Tempo
Ring - Bypass
Sleeve - Ground

Tip   Sleeve
Tip
Ring   Tap
Sleeve   Bypass
Ring

S/PDIF
Digital
Input and Output

INPUT
L & R 1/4-inch Unbalanced Inputs. If no cable is plugged into the L Input, the R Input feeds a mono signal to both channels.

INPUT & OUTPUT

The Input and Output jacks on the MPX 200 are 1/4-inch unbalanced sockets. If no plug is inserted into the Left Input, the Right Input becomes a mono-signal – fed into both Left and Right. The Inputs are Hi-Z and sensitive enough to accommodate an electric guitar plugged directly into the MPX 200.

If no plug is inserted into the Right Output, the Left Output becomes a stereo T/R/S output. It is also capable of driving headphones.
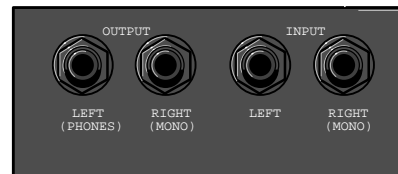
Input and Output Jacks

It is always good practice to route your audio cables away from power cables.

SETTING AUDIO LEVELS

1. Start with Input set to 9:00 o'clock.
2. Set the instrument output of effects send being input to the MPX 200 to a nominal level and play, or send audio to the MPX 200. The Level LEDs remain off during the loudest passages.
3. While still sending audio to the MPX 200, gradually turn up the Input control until the Clip LEDs show red on only the loudest peaks.
4. Set the Mix control to "Dry."
5. Turn Output to the desired level.
6. If the MPX 200 is using a console's send and returns, set the Mix control fully clockwise (100% wet) and the system parameter Mix Mode to Global (see page 3-4). If you are using an instrument amplifier, start with Mix set halfway up.

The Level LEDs are off when the incoming signal is low (more than 30dB below overload.) The Clip LEDs light red when the signal approaches overload (-1dB). Acceptable signals will cause the Level LEDs to light green almost continuously, with the Clip LEDs flashing red on peaks.

Note:
As with any audio product, it is good practice to first power on all outboard gear, then the mixer, then any loudspeakers.
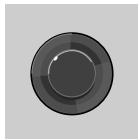
Basic Operation

THE ADJUST KNOB

The Adjust knob is located on the right side of the front panel and performs multiple functions. For example:

A. When the Load button is pressed, the Adjust knob is used to select the programs.

B. When the Edit button is pressed, the Adjust knob is used to control one of the Edit functions.

To reassign the Adjust knob for selecting Programs, press the Load button.

Other functions are described throughout this manual.

SELECTING AND LOADING PROGRAMS

The MPX 200 contains 240 presets and storage for 64 User Programs. To select a Preset or User Program as the running program:

1. Press the Load button. (Omit this step if you are already in Program Load mode.)
2. Turn the Adjust knob until your desired program number, or effects and routing, are indicated by the EFFECTS and ROUTING LEDs.
3. Press Load again to load your selected program. The program can also be set to load automatically. (See Autoload on page 3-3 / item 14).

Your loaded program number is displayed in the 3-digit display. The LEDs for the selected program will light to indicate which effects the selected program contains. If the selected program contains a dual effect, the appropriate ROUTING LED will light.
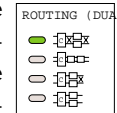
The compressor will always be available in any program, and is situated in front of any other effect for the "wet" component signal path. If compression is included in that program, the COMPRESSOR effect LED lights even though the compressor can always be turned on or off (using the Compressor button). Thus, the EFFECTS display shows what would run if that program were loaded.

CUEING PROGRAMS

For live performance or mixing in the studio, you may want to "jump" from one program to another. The MPX 200 allows you to cue a program for loading.

1. Turn the Adjust knob to the Program you want to load next (but do not press the Load button).

   After 4 seconds the display and the EFFECTS and ROUTING LEDs will revert to showing the currently running program, but the Load button will remain lit to indicate its armed status. To review the cued program, rotate the Adjust knob one click to redisplay its number and effects.

2. Press Load to load your cued program.

The Load button lights when a new program has been selected for loading, indicating that the button is armed. Pressing the Load button will then cause the selected program to load. (If the selected program has not been changed or the running program has not been edited since it was loaded, the LED will not be lit, indicating that pressing this button will have no effect.)

EDITING PROGRAMS

The Adjust knob is used to control the EDIT functions. The lighted LED indicates the selected parameter while the display indicates the value of that parameter.

1. Press the Edit button to enter the Editing mode. Each time you press the Edit button, it selects the next parameter for you to edit.

2. Turn the Adjust knob to change the parameter. An appropriate value for that control will be displayed.

   After changing a parameter value, the MPX 200 will wait 4 seconds and then "timeout" and revert to displaying the active program number in the display. You can tell that Edit mode is still active because the current parameter LED is still lit.

If you were previously operating a control and then pressed Load, pressing Edit will return to the previous control. The Edit button lights when a parameter has been changed and is different from its stored value.

Press the Load button to reassign the Adjust knob to select Programs.

The Program Parameters

▶ Mix   Controls the proportion of processed (wet) to unprocessed (dry) signals. The range is from 0 (dry) to 100% (wet).

▶ Adjust   Modifies various parameters of the current program (The selection depends on the program running. See Section 4 – Program Descriptions.) The Adjust range is 0 -127, selected based on external MIDI control having 128 steps.

▶ EQ   Controls the frequency content of the active program, usually by affecting the output HighCut filter or some other parameter appropriate to that program. EQ is expressed in hertz (Hz) or kilohertz (KHz).

▶ Lvl/Bal   Sets the level of the Single effects and the balance of the Dual effects. In Single programs, the range is 0-100% and represents the output level of the effect. However, in the Dual programs, the Level/Balance range is -50 - 50 where at -50 you are listening only to the output of the 1st effects block, at -0- you hear an equal balance between the FX blocks, and at 50 you are listening only to the output of the 2nd FX block. The current routing of the block is indicated by the front panel ROUTING LED.

TEMPO FEATURES

Tap

Tap allows delays and effects to be locked to the tempo of your music. Whenever this Tempo feature is active in a program, the green Tap LED flashes. To lock the delay or effect to the tempo of your music, simply press Tap twice, in time with the music, to set a tempo. The MPX 200 recognizes tempos from 40 to 400 bpm (beats per minute).

Audio TAP

In addition to entering a program tempo directly via the Tap button, you can also use audio input such as two drum hits or a vocal countoff to set the tempo of the MPX 200 delay times:

1. Press and hold the Tap button for 2 seconds. (The optional dual footswitch input on the back panel performs the same function as the Tap button.) The display will read "Aud" (Audio).

2. While holding down Tap, play two short notes in rhythm, then release the Tap button. The MPX 200 automatically calculates the tempo from the space between your two notes.

2-4

3. When you release Tap, the current bpm will show on the digital display and the LED in the Tap button will light to indicate that tempo can now be further adjusted from the front panel. Just turn the Adjust knob to dial in a tempo (in bpm).

4. Press Tap to exit this mode.

For live performances this is an easy way to set delay rates to follow your rhythm.

Global Tempo

Many factory presets are stored with their own tempo rate. You can tap in a new tempo (and store your version in a User location) or set the MPX 200 to globally recall the last tempo used and apply it to every program (see Section 3 - System Mode).

When you select Global Tempo from the MPX 200 System mode, the last tempo used will be applied to all programs with tempo-controlled parameters. (If a program is tempo-controllable, the Tap button flashes when the program is loaded.)

Setting Tempo via MIDI

When used in conjunction with the Learn feature, Tap can be set remotely from any MIDI device. MIDI controllers, such as the Lexicon MPX R1 Foot Controller, can be used to send Continuous Controller messages or Program Changes to the MPX 200. You can also send Continuous Controller or Program Change messages from the controls of many mixing consoles. The MPX 200 will learn these messages and allow you to set tempo via MIDI. The MPX 200 can also receive and utilize MIDI Clock.

See Section 5 – MIDI Operation – for instructions on setting MIDI controllers.

THE COMPRESSOR

The MPX 200 compressor is used in either of two ways:

1. for subtle reduction of volume changes so that quieter passages in your program material can be made louder.
2. as a limiter to prevent your volume from exceeding a certain level.

For subtle volume reduction, use a lower ratio and set the threshold low enough so that the program material is above threshold much of the time. For severe limiting, a high ratio (10:1) is necessary, but the threshold should be kept high enough so that only the loudest peaks are compressed.

Attack controls how fast the compressor responds to volume increases. The best setting for Attack depends on the frequency content of the program material. A fast attack allows less sound to "leak through" before the compressor reacts to sudden volume increases. However if the attack time is shorter than the period of the predominant low frequency in the music, the compressor will react to the music's waveform, rather than its volume envelope, resulting in various forms of distortion. If you hear this with low frequency material, increase the Attack.

Release time determines how fast the compressor responds to volume reductions. With most music material, the release time should be longer than the attack time. This is especially true with instruments such as guitar or piano which have their own natural slow volume decay on sustained notes.

Compression can be overused! For most music material, compression should be used in moderation so that the listener doesn't notice the result.

The Compressor Parameters

Rotate the Adjust knob to change the compressor parameter highlighted. An appropriate value for that control will be displayed.

Successive presses of the Edit button will sequence through the following compression parameters, then back to the four program parameters.

▶Ratio   Determines the compression ratio of the compressor. Available values will be: Off, 2:1, 3:1, 5:1, and 10:1.

▶Threshold   Determines the signal threshold below which the compressor is inactive.

▶Attack   Controls the attack time (in msec) of the compressor.

▶Release   Controls the release time (in msec) of the compressor.

After changing a parameter's value, the MPX 200 will wait four seconds and then "timeout" and revert to displaying the active program number in the digital display.

BYPASS

The Bypass button mutes the audio or bypasses the current effect(s) when pressed. The exact behavior depends on the setting of System Parameter #5 (See Bypass Mode, page 3-2). The choices are Dry ("dry"), Mute ("qui" as in quiet), or Input Mute ("inp"). Dry means that only dry audio is passed. Mute means that no audio is passed. Input Mute means that both the dry audio and the input to the current effect are muted, but the current effect continues to run. If the current effect has any sustained sound (for example, the decay of a reverb or echo), that sound continues through its normal decay. When entering the Bypass mode, "byP" will show in the display and the yellow LED in the Bypass button will light.

STORING PROGRAMS

After editing a Preset, all the changes made to the Edit and Compressor parameters can be stored in any of 64 user locations. To save a program:

1. Press Store.

    The Store LED will light to indicate that the MPX 200 store function is armed, and the display will read "U1" or the location of the first empty user storage position.

    The Cancel LED will also light to indicate that you can exit without saving the current program by pressing Tap/Cancel.

2. To store a program in a location other than the one displayed, turn the Adjust knob to the desired User location.

    The Load button will light if the selected location already contains a program. The LED will be off if that location is empty.

3. Press Store again.

    The Store button will flash rapidly while the store operation is occurring and will turn off when store is complete. The Edit and Load buttons will also turn off, as the saved version becomes the current active program.

    Caution:
    If there is a program already stored in a selected location, you will overwrite that program.

SELECTING AND LOADING
USER PROGRAMS

During Program selection, rotating the Adjust knob to numbers higher than the presets selects the User Programs, indicated by the letter "U." To load a User Program, select the User Program and press Load.

If a User Program is empty, the EFFECTS and ROUTING LEDs will be off and pressing Load will have no function.

3

System Mode

The MPX 200 provides ultimate control via its System parameters. The System Mode allows you to change the behavior of the MPX 200 as well as access its internal MIDI dumps & features.

To enter System Mode, press and hold Bypass for approximately two seconds. The Bypass button lights and the display flashes "SyS" to indicate you are in System mode. The digital display will then read "Out" (Output Level is the first system parameter).

Note:

In System Mode, all other front panel controls are disabled until you exit this mode. However, the MPX 200 is still able to pass and process audio while in this mode.

The adjustable parameters available in this mode are shown in the "System Mode Parameters" chart on the next page.

To select another system parameter, press Bypass. Each press of the Bypass button will advance to the next available system parameter. A symbolic 3-character string will be shown in the digital display to indicate the system parameter selected. After selecting the last system parameter, the next press of Bypass returns you to "Out" level (this behavior is similar to that of the Edit parameters).

To view the current setting of the parameter, click the Adjust knob once. The display will show the current value. To change a system parameter, rotate the Adjust knob further, either left or right. (In some instances, such as MIDI dumps, the Store button lights. Press Store to execute this MIDI dump. The digital display will indicate the current state.)

Note:

System parameters are automatically saved with each change. Changes you make to these controls are applied immediately (except for Global Compressor Mode) and remain in that state until changed again.

To exit System Mode, press & hold Bypass again for approximately two seconds. The display will flash "Sto" to verify that any changes you made have been stored. `Sto`

SYSTEM MODE PARAMETERS

1.	Output Level	0 dB - Off	`Out`
2.	Input Source	Analog* or Digital (S/PDIF)	`Src`
3.	Digital Output	Dry or Processed*	`di9`
4.	Global Mix Mode	Program* or Global	`d-P`
5.	Bypass Mode	Mute All/Quiet (qui), Input Mute (inp), or Bypass (dry)*	`byP`
6.	Program Load	Mute or Bypass*	`PL`
7.	Global Tempo Mode (Tap)	Program*or Global	`taP`
8.	Global Compressor Mode	Program* or Global	`CPr`
9.	Patching	Off or On*	`Pat`

* designates default value

3-2

10.	MIDI Channel	Off, Channels 1 -16, All (Omni)	*Ch*
11.	MIDI Pgm Change	Off or On*	*PCh*
12.	MIDI Clock Receive	Off or On*	*Clo*
13.	MIDI OUT/THRU	Out* or Thru	*o-t*
14.	Autoload	Off* or On	*Aut*
15.	Dump User Bank	Press Store to execute	*dUb*
16.	Dump Current Program	Press Store to execute	*dCP*
17.	Dump System	Press Store to execute	*dSY*
18.	Clear User Bank	Press Store to execute	*CUb*
19.	Initialize		*ini*
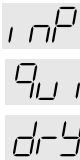
* designates default value

1. Output Level: This is the first parameter that you will see when entering the System Mode. It adjusts the overall output level of the MPX 200 from 0dB (maximum) down to Off.

2. Input Source: Here you select either the Analog or Digital (S/PDIF) input. If you select Digital In and no digital signal is present, the MPX 200 will mute.

Note:
When the Input Source is set to Digital and the MPX 200 is in either Load mode or Edit mode, the display will show a message for four seconds whenever it detects any change in the S/PDIF input status. For example, if you remove the cable while it is connected and receiving a valid 44.1k S/PDIF signal, the display will show "nod" *nod*
for "no digital". Whenever it re-acquires
a digital signal, it will show "dig". *di9*

3-3

3. Digital Output: For certain recording and monitoring applications, or to use the MPX 200 as a stand-alone 24-bit converter, this parameter allows you to choose to pass either dry audio or processed audio out the S/PDIF digital output connector.

4. Global Mix: Determines whether the current Mix setting will be applied to all programs (Global) or whether program-specific Mix levels are restored on each program load (Program). A default Mix value is stored with each program. These individual stored values will take effect when a program is loaded, if Global Mix is set to Program. The Global mix setting will override the individual stored settings if Global Mix is set to Global.

5. Bypass: Sets the Bypass button (or the footswitch, or MIDI controller assigned to Bypass) to mute the inputs to the current effects; to mute the inputs and outputs; or to bypass the processed audio (passing only dry audio to the outputs).

    `inP`
    `9u1`
    `dr-Y`

6. Program Load: Determines whether the MPX 200 will mute completely or pass dry audio while changing programs.

7. Global Tempo Mode: Determines whether the current tempo of the MPX 200 will be applied to all programs (Global), or whether program-specific tempos are restored on each program load (Program). A default tempo is stored with each program. These individual stored values will take effect when a program is loaded, if Global Tempo is set to Program. The Global Tempo setting will override the individual stored settings if Global Tempo is set to Global.

8. Global Compressor Mode: Determines whether the current compressor parameter settings of the MPX 200 will be applied to all programs (Global), or whether program-specific compressor parameters are restored on each program load (Program). Changes you make to the four compressor parameters are stored with each program. These individual stored values will take effect when a program is loaded, if Global Compressor Mode is set to Program. The Global Compressor setting will override the individual stored compressor parameter settings if set to Global.

Note:
Program Compressor Mode is not activated until you load a new program after selecting Program.

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9. Patching: Allows you to temporarily suspend (Off) and restore (On) any Learned MIDI patches.

10. MIDI Channel: Allows selection of a MIDI channel for all MPX 200 messages (Learned and Program Changes). The choices are Off, Channels 1 through 16, or All Channels (OMNI mode).

11. MIDI Program Change: Determines whether or not the MPX 200 will recognize MIDI Program Change messages for loading programs.

12. MIDI Clock Receive: Determines whether or not the MPX 200 will recognize MIDI Clock messages.

13. MIDI OUT/THRU: Sets the rear panel MIDI OUT/THRU jack for either MIDI OUT or MIDI THRU functionality.

Note:
MIDI dumps can only be performed when this parameter is set to MIDI OUT. (See items 15-17)

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
14. AutoLoad: Determines whether the selected program loads automatically. If AutoLoad is set to On, a new program selected with the Adjust knob will be loaded automatically about 1/4-second after the knob has stopped turning.

Note:
When any of the dumps are received by the MPX 200 from an external device, they are automatically applied or stored.

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
15. Dump User Bank: Allows you to execute a MIDI bulk dump that transmits the User programs for storage to an external sequencer or computer. Press Store to execute the dump. User Programs are dumped in four groups of 16—beginning with 1, 17, 33, and 49. Rotate the Adjust knob to select which group to dump.

16. Dump Current Program: Allows you to execute a MIDI dump that transmits the current program for storage to an external sequencer or computer. Press Store to execute the dump.

17. Dump System: Allows you to execute a MIDI dump that transmits all system parameters and MIDI patches for storage to an external sequencer or computer. Press Store to execute the dump.

18. Clear User Bank: Erases the contents of all 64 User programs in the User Bank. Press Store to execute. The display will show "Clr" *clr* briefly to verify that the User Bank has been cleared.

Note:
You cannot clear the User Bank while you are running a User Program.

19. Initialize: Restores all adjustable parameters of the MPX 200 back to its factory default state. This includes all User programs, System parameters and Learned patches. Press Store to execute. The display will show "rSt" while this is taking place. This requires about one minute to *rSt* complete.

Warning:
Both "Clear User Bank" and "Initialize" erase all Programs stored in the User Bank.

Program Descriptions

The 240 programs in the MPX 200 are designed to provide a full array of high caliber ambience, reverb, delay, pitch shift and other effects. While auditioning the programs, be sure to vary the Adjust and EQ parameters.

The Adjust and EQ parameters have been carefully customized for each individual program. In many cases they control several effect parameters simultaneously to provide simple control of a complicated editing process. For example, in many Chamber and Room programs Adjust controls the "liveness" of the space by changing decay, EQ and early reflections, all at the same time. This parameter has a range of 0-127 to make it compatible with MIDI control.

This section of this manual provides a general description of each MPX 200 Bank along with tables that detail all of the programs available in each Bank. This includes the function of the Adjust parameter and the Tap button (for programs that use tempo-controlled rate or delay times).

MPX 200 Programs			
Bank	Programs	Bank	Programs
Plate	1-9	Compressor	105-109
Gate	10-19	Special FX	110-119
Hall	20-29	Flange - Delay	120-129
Chamber	30-39	Pitch - Delay	130-139
Ambience	40-49	Chorus - Delay	140-149
Rooms	50-59	Delay - Reverb	150-159
Tremolo	60-64	Flange - Reverb	160-169
Rotary	65-69	Pitch - Reverb	170-179
Chorus	70-74	Chorus - Reverb	180-189
Flange	75-79	MonoSplitDly	190-204
Detune	80-84	MonoSplitRvb	205-224
Pitch	85-89	Dual Mono	225-240
Delay/Echo	90-104		

PLATE

Plate reverb was originally generated by a large, thin sheet of metal suspended upright under tension on springs. Transducers attached to the plate transmitted a signal that made the plate vibrate — making any sounds broadcast through it seem to be occurring in a large open space.

The Plate programs synthesize the sound of metal plates with high initial diffusion and a relatively bright, colored sound. These programs are designed to be heard as part of the music, mellowing and thickening the initial sound. They are a popular choice for enhancing pop music, particularly percussion.

#	Plate Programs	Adjust	Tap
1	Small Plate	Liveness	–
2	Medium Plate	Liveness	–
3	Large Plate	Liveness	Predelay (1/32 Note)
4	Tap PreDelay	MidRT	Predelay (1/32 Note)
5	Tape Slap	ips (7.5/15)	–
6	Rich Plate	MidRT	Predelay (1/32 Note)
7	Large&Bright	MidRT	Predelay (1/32 Note)
8	Vocal Plate	Liveness	Echo
9	Drum Plate	Liveness	–

GATE

Gated reverbs were originally created by feeding a reverb, such as a metal plate, through an analog gate device. The decay time was set to instant, and the hold time varied the duration of the sound.

The Gate programs provide a fairly constant sound with no decay until the reverb is cut off abruptly. These programs work well on percussion–particularly on snare and toms–but make sure to experiment with other sound sources as well.

Note:
Audio is muted briefly when Time is altered with Adjust.

#	Gate Programs	Adjust	Tap
10	StraightGate	Time*	–
11	Slope Down	Time*	–
12	Drum Gate	Slope	Predelay (1/32 Note)
13	140ms TapPre	Slope	Predelay (1/32 Note)
14	240ms TapPre	Slope	Predelay (1/32 Note)
15	340ms TapPre	Slope	Predelay (1/32 Note)
16	440ms TapPre	Slope	Predelay (1/32 Note)
17	540ms TapPre	Slope	Predelay (1/32 Note)
18	Inverse	Time*	–
19	Dark Inverse	Time*	–

HALL

Lexicon's Hall programs recreate the acoustics of actual places—from grand reverberant enclosures to small concert halls.

The clean reverberation of the Hall programs is designed to add spaciousness, while leaving the source material unchanged. In addition to general instrumental and vocal applications, the Hall programs are a good choice for giving separately recorded tracks the sense of belonging to the same performance.

#	Hall Programs	Adjust	Tap
20	Small Hall	MidRT	–
21	Medium Hall	MidRT	–
22	Large Hall	MidRT	–
23	Small Church	MidRT	–
24	Large Church	MidRT	–
25	Jazz Hall	MidRT	–
26	Dance Hall	MidRT	–
27	Synth Hall	MidRT	–
28	Concert Hall	MidRT	–
29	Gothic Hall	MidRT	–

CHAMBER

Historically, recording studio chambers were oddly shaped rooms with a loudspeaker and set of microphones to pick up the ambience in various parts of the room.

The stereo Chamber programs produce even, relatively dimensionless reverberation, with little change in color as the sound decays. The initial diffusion is similar to the Hall programs, but the sense of space and size is much less obvious. This characteristic, along with the low color of the decay tail, makes these programs useful on a wide range of material. They are especially useful on spoken voice, giving a noticeable increase in loudness with very low color.

#	Chamber Programs	Adjust	Tap
30	Brick Wall	MidRT	–
31	Basement	MidRT	–
32	Live Concert	Liveness	Echo Delay
33	Drum Chamber	MidRT	–
34	Moves on...	Liveness	–
35	Live Chamber	Liveness	–
36	VocalChambr1	Liveness	Echo Delay
37	VocalChambr2	Liveness	Echo Delay
38	Wide Chamber	Liveness	–
39	PCM60: Large	MidRT	–

AMBIENCE

Ambience gives warmth, spaciousness and depth to a performance without coloring the direct sound, and is commonly used to add a room sound to recorded music or speech. In music recording, Ambience can realistically add distance to closed-mike signal.

The Ambience programs simulate reflections from room surfaces with random reflections, a gradual decay of overall level, and a gradual narrowing of the bandwidth.

In these programs, the Mix control adds depth–emulating the movement of a coincident pair of microphones away from the sound source into the room.

#	Ambience Programs	Adjust	Tap
40	Announcer	Decay	–
41	VerySmallAmb	Decay	–
42	SmallAmb	Decay	–
43	MidSizeAmb	Decay	–
44	Studio "D"	Decay	–
45	Bright Amb	Decay	–
46	Dark Amb	Decay	–
47	Marble Foyer	Decay	–
48	Smooth Amb	Decay	–
49	Guitar Amb	Decay	–

ROOM

Room programs emulate actual rooms where there is a more apparent sense of being in a small, live place.

The Room programs are very useful on drums and percussion and can also be applied to electric guitar tracks.

#	Room Programs	Adjust	Tap
50	Bedroom	Walls	–
51	Tiled Room	LF Boost	–
52	Studio "C"	MidRT	–
53	Small Room	Liveness	–
54	Studio "B"	MidRT	–
55	Rehearsal Room	MidRT	–
56	Studio "A"	MidRT	–
57	Large Room	MidRT	–
58	Fat Space	MidRT	–
59	Chunky Space	MidRT	–

TREMOLO

Tremolo is a rhythmic change in loudness, commonly employed as an expressive technique by vocalists and wind instrument players. It is also one of the oldest electronic effects — frequently used with electric guitar, electric piano and, occasionallly, vocals. Different tremolo effects are largely determined by the rate and waveform shape of the loudness change (fast or slow, smooth or sharp). If the effect is used in a stereo mix, the left and right can be synchronized in a variety of ways to produce dramatic side-to-side motion.

The Tremolo programs offer a variety of tremolo shapes (square, sawtooth, triangle, sine and rectified sine). The synchronization of the left and right sides can be adjusted to produce mono and stereo effects. As the tremolo rates are set with Tap, it is easy to match the tempo of the music. The Adjust knob (phase) lets you set left and right channel waveforms out-of-phase, resulting in a panning motion.

All of these programs should be used with Mix set to fully wet. By adding more dry to the wet/dry mix, Mix effectively sets the depth of the Tremolo. Take care to make the rate work with the tempo of the music, as Tremolo is essentially a rhythmic effect .

#	Tremolo Programs		Adjust	Tap
60	RectSineTap	⌒⌒	Phase	Rate (1/8 Note)
61	Square Tap	⊓⊔⊓	Phase	Rate (1/8 Note)
62	Sine Tap Trpl	⌒⌣	Phase	Rate (1/8 Note)
63	Triangle	⋀⋀	Phase	Rate (1/8 Note)
64	Sawtooth	⋀⋀	Phase	Rate (1/8 Note)

ROTARY

Rotary speaker cabinets were originally designed to provide a majestic vibrato/choir effect for electronic theater and church organs. The most well known rotary speaker is the Leslie™ Model 122, which has two counter-rotating elements: a high frequency horn and a low frequency rotor with slow and fast speeds. As the spinning elements change speed, the sound generated is truly magical. The swirling, spacious effect is hard to describe, but is instantly recognizable.

The rotary effect is a detailed simulation of a Leslie-style cabinet. The input signal is split into high and low frequency bands. The rotation effect is created by a synchronized combination of pitch shifting, tremolo and panning. Like the physical model, the high (horn) and low (drum) frequencies are "spun" in opposite directions. Horn and drum speeds are independent, and are designed with acceleration and deceleration characteristics to simulate the inertia of the original mechanical elements.

A virtual requirement for any organ sound, the rotary programs also sound great with guitar and electric piano rhythm parts. In fact, they are great alternatives to chorus and tremolo effects for any sound source.

All of these programs should be used with Mix set to fully Wet to achieve the full effect.

#	Rotary Programs	Adjust	Tap
65	Rot:SlowFast	Switch	–
66	Rot Slow	Resnce	–
67	Rot SpeedAdj	Speed	–
68	Rot TapRate1	Balance	Rate
69	Rot TapRate2	Resnce	Rate

CHORUS

Chorus effects multiply the original audio source to create a lush, full sound. Traditionally used to fatten up tracks and to add body to guitar without coloring the original tone, chorus effects are also often used in combination with echoes, plates and other reverb effects.

The stereo Chorus programs use six independently randomized delay voices panned across the stereo field. These programs, inherited from Lexicon's PCM 80, generate a rich, airy effect that can simulate the sound of multiple sources from a single source. These programs are stunning on acoustic or clean electric guitar.

All of these programs should be used with Mix set to fully Wet to achieve the full richness of the 6-voice chorus.

#	Chorus Programs	Adjust	Tap
70	Chorus1	Resnce	–
71	Chorus2	Resnce	–
72	Chorus3	Diffusn	–
73	Slap Chorus1	Diffusn	–
74	Slap Chorus2	Depth	–

FLANGE

Flanging effects were originally created by simultaneously recording and playing back two identical programs on two tape recorders, then using hand pressure against the flange of the tape reels to slow down first one machine, then the other. The result was a series of changing phase cancellations and reinforcements, with a characteristic swishing, tunneling and fading sound.

The MPX 200 stereo Flanger has two 2-Tap delays — one per channel. The first tap is fixed, and the second sweeps past it. Mixing the two delay taps together creates the flanging effect.

All of these programs should be used with Mix set to fully Wet to achieve the full flange effect.

#	Flange Programs	Adjust	Tap
75	Flng Lite	Speed	—
76	Flng Lite180	Resnce	—
77	Flng Med180	Speed	—
78	Flng Deep	Resnce	—
79	Flng Deep180	Resnce	—

DETUNE

Detune effects add a delayed/pitch-shifted version of the original source — thickening up the sound. They can be particularly effective when used to simulate double-tracking. They are also great alternatives to chorus effects, adding the richness of a chorus without the audible sweep caused by the chorus rate.

The 4-voice stereo Detune programs have one pair of voices per channel. As more detune amount is applied (with Adjust), the pair grow more out of tune, providing a lush sound without the need for mixing in a dry signal.

All of these programs should be used with Mix set to fully Wet to achieve the full effect.

#	Detune Programs	Adjust	Tap
80	Detune Mild	Dtuning	–
81	Detune Med&Warm	Dtuning	–
82	Detune Heavy	Dtuning	–
83	Det Xtreme	Dtuning	–
84	Pitch Detune	Dtuning	–

PITCH

Altering the pitch of a sound allows a variety of effects, from subtle detuning to the creation of harmonies and chords.

The stereo polyphonic Pitch programs allow complete program material or monophonic sources to be shifted from two octaves down through one octave up.

For pitch correction, use these programs with Mix set to fully Wet. For harmonization, use the desired amount of wet/dry Mix.

#	Pitch Programs	Adjust	Tap
85	Pch Chrmatic	Pitch	–
86	Pitch Fine	Pitch	–
87	Pch 4th-5ths	Pitch	–
88	Pch PowerInV	Pitch	–
89	Vocal Chorus	Depth	–

DELAY AND ECHO

Delays and echoes are effects that repeat a sound a short time after it first occurs. The simplest (and oldest) delay effect is tape slap — a single repeat about 100ms after the original sound. (It was often used on Elvis Presley's voice and rockabilly guitar tracks.) Tape slap becomes tape echo when the output of the tape is fed back into the input (feedback), turning a single repeat into a series of repeats — each a little softer and a little darker than the last. This darkening of each repeat is characteristic of the analog tape recording process. Digital delays do not have this characteristic–each repeat has the same exact timbre and the only difference from repeat to repeat is in loudness.

Digital delay and tape echo are both useful, but they are different. Tape echo is warmer and allows the original sound to stand out more, while digital delay can present a "perfect" copy of the original sound.

The Delay and Echo variations include mono (5.5 seconds), stereo (2.7 seconds), and 6-voice multitap effects. Each of the programs can be used for digital delay or tape echo effects. When the Adjust parameter is set to a value between 63 and 0, tape echo effects are produced. (Each repeat is darker and softer.) When the Adjust parameter is set to a value between 64 and 127, digital delay effects are produced. (Each repeat is the same timbre, but softer.)

In programs 90-97, Adjust also sets the amount of feedback — with an increasing number of repeats as the parameter value is increased. Delay time is set with Tap. Each program is preset with a different useful rhythm.

In Variations 98-104, the amount of feedback is preset and Adjust determines Delay time.

When using any type of delay or echo effects with music, always pay attention to the way the repeats fall rhythmically to the beat. The most effective delay and echo patterns are those that lock in with the tempo of the tune.

#	Delay,Echo Programs	Adjust	Tap
90	Dly Mono Tap	Feedbk	Delay Time
91	DlyStereo Tap	Feedbk	Delay Time
92	Dly ShuflTap	Feedbk	Delay Time
93	Dly Dot8 Tap	Feedbk	Delay Time
94	Dly 8+3plTap	Feedbk	Delay Time
95	Dly Pong Tap	Feedbk	Delay Time
96	Dly XfbkTap1	Feedbk	Delay Time
97	Dly XfbkTap2	Feedbk	Delay Time
98	Dly Mono	Time: 0-5.5sec	–
99	Dly Stereo	Time: 0-2.7sec	–
100	Dly TapeSlap	Time: 3 3/4 to 30ips	–
101	Multi Bounce	Time: 0-100ms	–
102	MultiInverse	Time: 0-400ms	–
103	Multi Linear	Time: 0-400ms	–
104	Multi Pong	Time: 0-150ms + Fbk	–

COMPRESSOR

The compressor in the MPX 200 is a stand-alone control that modulates the level feeding the other active effect(s). It has no effect on the dry signal coming out of the Mix control (or the Bypass signal when Bypass Mode is set to Dry). Compression on a dry signal is obtained by using a Delay/Echo algorithm with delay times set to 0. Thus, the Mix control must be set to 100% for this to work properly (this is the default setting when Program Load is set to Program).

Programs 107, 108 and 109 use a Parallel Reverb-Delay algorithm to obtain compression on both a dry and wet signal. To use this program, observe the following:

• Keep the MPX 200 Mix set to 100% (the default setting when Program Load is set to Program). The dry signal will be obtained as a compressed "delayed" echo with the delay time set to 0.
• Adjust the Reverb level by changing the Balance parameter between full left (0%) and about 40%. (Typical values should be between 5% and 10%.)

#	Compressor Programs	Adjust	Tap
105	3:1 Compression	Gain Make-up	-
106	10:1 Compression	Gain Make-up	-
107	Small Hall / Compression	Decay	Pre-Delay (1/32 note)
108	Medium Hall / Compression	Decay	Pre-Delay (1/32 note)
109	Large Hall / Compression	Decay	Pre-Delay (1/32 note)

SPECIAL FX

#	Delay, Echo Presets	Adjust	Tap
110	Infinite Reverb	Bass X-Over Frequency	Echo
111	The Abyss	± Pitch Bend	–
112	Jet Flange	Tone	Rate (Whole Note)
113	Chorus Verb	Decay	–
114	Rotary Delay	Dly/Echo Time: 0-150ms+Fbk	Rate (1/4 Note)
115	LowRumble	Decay Time	–
116	Echoes:Beats	Echoes per Beat	Delay Time
117	Stereo Stage	* See page 4-16	
118	Dream Sequence	± Shift Amount	–
119	Infinite Delay	Echo Feedback	Delay Time

* PRESET 117
This preset supplies reverb while preserving stereo imaging in a live stage setup. Stereo imaging is preserved via time delay rather than conventional L/R panning so that a proper channel mix is maintained in both L and R speakers. To use this program, observe the following:

• Use the MPX 200 in-line between mixer and house amps, not as an effect that is mixed back into the main L and R signals.

• On your mixer, pan the input channel for each musician fully to that musician's side of the stage.

• Keep Mix set to 50% (the default setting when Program Load is set to Program).

• Adjust your Reverb level by changing the Balance parameter between full left (-50) and about -10. (Typical values should be between -45 and -40.)

• Set "Width" for the distance between the speakers at each side of the stage. The program loads with an assumed width of approximately 20 ft. The available range via the Adjust knob is 10-50 ft. These values assume that most audience members are seated within 30 degrees to either side of the stage centerline. If many audience members are seated further to the sides of the stage the Adjust setting can be increased, but otherwise it should be kept as low as possible.

ABOUT THE DUAL PROGRAMS

The Dual programs combine either a Delay or Reverb algorithm with a Flange, Pitch or Chorus, in addition to a delay/reverb combination. The Effects Lvl/Bal parameter controls the relative balance of each effect in the combination.

The Dual programs use four routing configurations: Dual Stereo (Parallel), Cascade, Mono Split and Dual Mono.

Bank 14 (Special FX) contains programs which use a variety of routing configurations. The remaining Banks (15-23) are organized as follows:

Banks 15-21 have the first six programs in each Bank set up in the Parallel configuration–two stereo programs placed side-by-side so that they receive and output stereo audio from both left and right channels. The last four programs in each Bank are set up in the Cascade configuration–two stereo programs, one placed after the

other. For example, in Flange-Delay, Flange passes its stereo signal to the Delay.

Banks 22 and 23 are set up in the Mono Split configuration which is similar to Parallel, but here, one program (Flange) receives audio from the left input and the other program (Delay) receives audio from the right input. Both programs then output stereo audio.

Because Dual Mono programs are usually used differently, they are all grouped in the last preset Bank (24). In these programs, one program (Flange) appears on the left channel only and the other program (Delay) appears on the right channel only.

Generally, the Effects Lvl/Bal parameter controls the balance of the two effects in each dual program. In the cascade variations, rather than simply controlling balance, the Adjust knob varies the amount of the first effect or dry signal which is fed into the second effect.

Dual Stereo (Parallel)
Variations 1-6

Cascade
Variations 7-10

Mono Split
Variations 11-14

Dual Mono
Variations 15-16

4-17
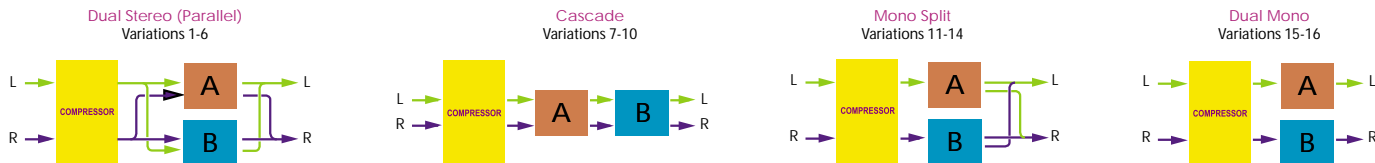
FLANGE-DELAY

#	Flange-Delay Presets	Adjust	Tap	Routing
120	Flng Tap	Feedbk	Delay Time (1/4 Note)	Parallel
121	Flng .8Tap	Feedbk	Dotted 1/8 Note	Parallel
122	Flng 3plTap	Feedbk	1/8 Note Triplet	Parallel
123	Flng PongTap	Feedbk	Delay Time (1/4 Note)	Parallel
124	Flng Xfeed	Time: 0-150ms	—	Parallel
125	Flng Bounce	Time: 0-200ms, Feedbk	—	Parallel
126	Flng>Tap	Feedbk	Delay Time (1/4 Note)	Cascade
127	Flng>Fbk	Time: 0-150ms, Feedbk	—	Cascade
128	Flng>Pong	Feedbk	Delay Time (1/4 Note)	Cascade
129	Flng>Bnce	Time: 0-200ms, Feedbk	—	Cascade

Parallel   *Cascade*
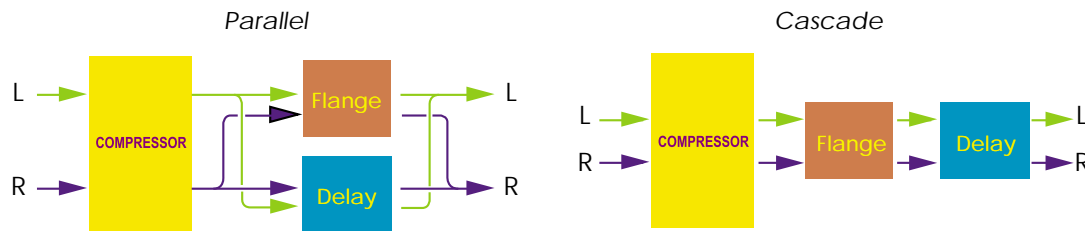
PITCH-DELAY

#	Pitch-Delay Presets	Adjust	Tap	Routing
130	5th Tap	Pitch	Delay Time	Parallel
131	8ve 3pTap	Pitch	Delay Time	Parallel
132	8ve 8+3plTap	Pitch	Delay Time	Parallel
133	3rd4thPong	Pitch	Delay Time	Parallel
134	4th5th Xfeed	Pitch	Delay Time	Parallel
135	5th6th Xfeed	Pitch	Delay Time	Parallel
136	8ve> Xfeed	Pitch	Delay Time	Cascade
137	5th>Xfeed	Pitch	Delay Time	Cascade
138	MajMin>Fbk	Pitch	Delay Time	Cascade
139	StepUp>Tap	Pitch	Delay Time	Cascade

Parallel

Cascade

4-19
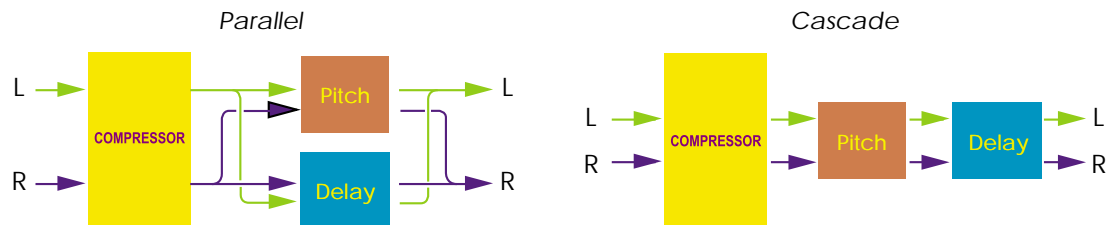
CHORUS-DELAY

#	Chorus-Delay Presets	Adjust	Tap	Routing
140	Chor Tap	Feedbk	Delay Time	Parallel
141	Chor 8Tap	Feedbk	Delay Time	Parallel
142	Chor 8+3pl	Feedbk	Delay Time	Parallel
143	Chor Pong	Feedbk	Delay Time	Parallel
144	Chor Repeat	Time	–	Parallel
145	Chor Bounce	Time	–	Parallel
146	Chor>Tap	Feedbk	Delay Time	Cascade
147	Chor>Repeat	Time	—	Cascade
148	Chor>Pong	Feedbk	Delay Time	Cascade
149	Chor>Bnce	Time	–	Cascade

Parallel

Cascade
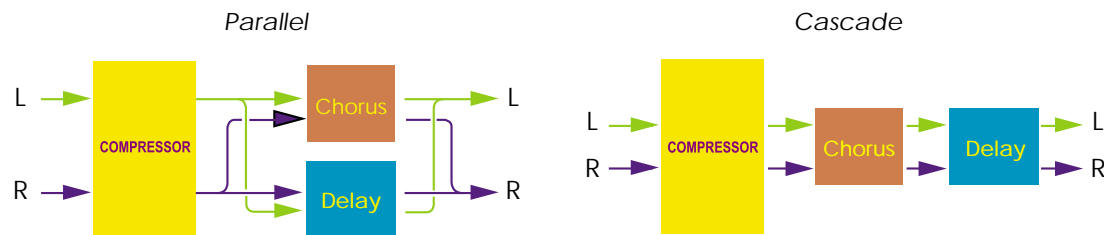
DELAY-REVERB

#	Delay-Reverb Presets	Adjust	Tap	Routing
150	Tap Small	MidRT	Delay Time	Parallel
151	3plTapMidSz	MidRT	Delay Time	Parallel
152	8+3pl Large	MidRT	Delay Time	Parallel
153	Pong Small	MidRT	Delay Time	Parallel
154	Xfeed MidSz	MidRT	Delay Time	Parallel
155	Xfeed Large	MidRT	Delay Time	Parallel
156	Tap > Room	Liveness	Delay Time	Cascade
157	8+3pl> Large	MidRT	Delay Time	Cascade
158	Xfeed > Room	Liveness	Delay Time	Cascade
159	Xfeed> Large	MidRT	Delay Time	Cascade

Parallel

Cascade
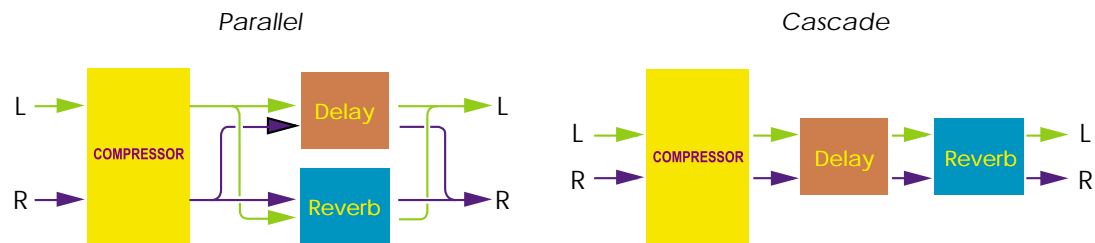
FLANGE-REVERB

#	Flange-Reverb Presets	Adjust	Tap	Routing
160	LiteFl Small	MidRT	Speed (Whole Note)	Parallel
161	LiteFl MidSz	MidRT	Speed (Whole Note)	Parallel
162	LiteFl Large	MidRT	–	Parallel
163	Deep Fl Small	MidRT	–	Parallel
164	Deep Fl MidSz	MidRT	–	Parallel
165	Deep Fl Large	MidRT	–	Parallel
166	LiteFl > Small	MidRT	Speed (Whole Note)	Cascade
167	LiteFl > Room	Liveness	Speed (Whole Note)	Cascade
168	Deep Fl>Large	MidRT	–	Cascade
169	Deep Fl>Room	Liveness	–	Cascade

Parallel   *Cascade*
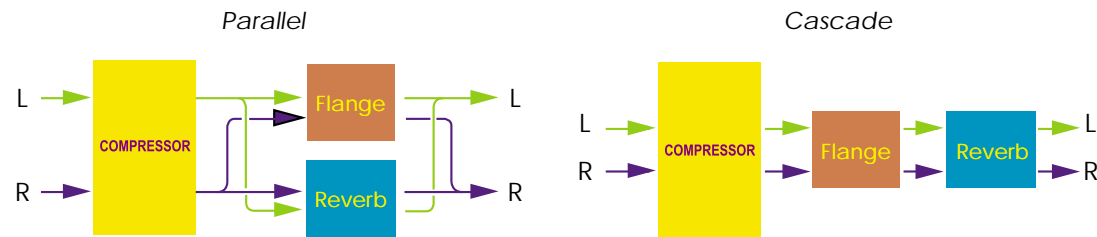
PITCH-REVERB

#	Pitch-Reverb Presets	Adjust	Tap	Routing
170	3rd4th Room	Pitch	PreDelay (1/32 Note)	Parallel
171	4th5th Room	Pitch	PreDelay (1/32 Note)	Parallel
172	5th6th Room	Pitch	PreDelay (1/32 Note)	Parallel
173	8ve MidSiz	Pitch	PreDelay (1/32 Note)	Parallel
174	Power MidSiz	Pitch	PreDelay (1/32 Note)	Parallel
175	Detune Room	Dtuning	PreDelay (1/32 Note)	Parallel
176	Fine> Small	Pitch	PreDelay (1/32 Note)	Cascade
177	Power>Large	MidRT	PreDelay (1/32 Note)	Cascade
178	4th > MidSiz	MidRT	PreDelay (1/32 Note)	Cascade
179	8ve> MidSiz	MidRT	PreDelay (1/32 Note)	Cascade

Parallel

Cascade
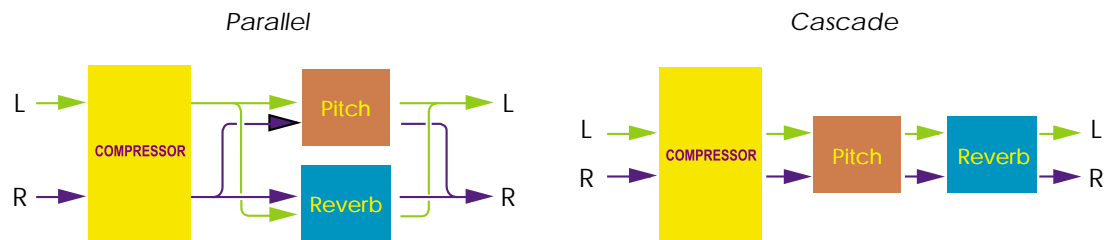
CHORUS-REVERB

#	Chorus-Reverb Presets	Adjust	Tap	Routing
180	Chor1 Small	MidRT	–	Parallel
181	Chor1 MidSiz	MidRT	–	Parallel
182	Chor1 Large	MidRT	–	Parallel
183	Chor2 Small	MidRT	–	Parallel
184	Chor2 MidSiz	MidRT	–	Parallel
185	Chor2 Large	MidRT	–	Parallel
186	Chor1 > Room	Liveness	–	Cascade
187	Chor2 > Room	Liveness	–	Cascade
188	Chor3 > Room	Liveness	–	Cascade
189	Chor1 > Small	MidRT	–	Cascade

Parallel   *Cascade*
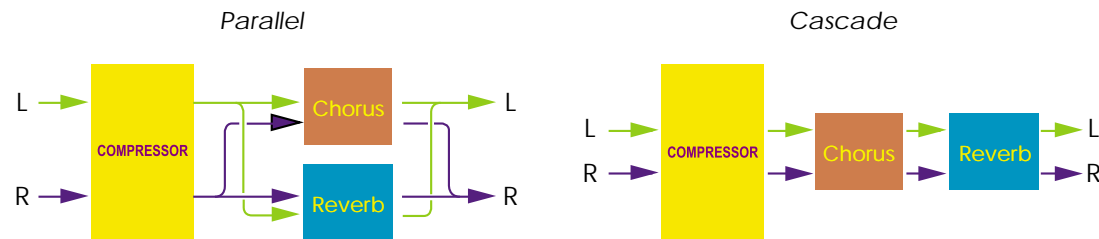
MONO SPLIT DELAY

#	MonoSplitDly Presets		Adjust	Tap	Routing
190	Flng	Tap	Feedbk	1/4 Note	Parallel
191	Flng	Pong	Feedbk	1/4 Note	Parallel
192	Flng	Xfeed	Time	–	Parallel
193	Flng	Bnce	Time	–	Parallel
194	Deep Fl	Dly	Time	–	Parallel
195	5th	Tap	Pitch	Delay Time	Parallel
196	8ve	3plTap	Pitch	Delay Time	Parallel
197	4th5th	Xfeed	Pitch	Delay Time	Parallel
198	5th6th	Xfeed	Pitch	Delay Time	Parallel
199	PchFine	Tap	Pitch	Delay Time	Parallel
200	Chor	Tap	Feedbk	Delay Time	Parallel
201	Chor	Pong	Feedbk	Delay Time	Parallel
202	Chor	Xfeed	Time	–	Parallel
203	Chor	Bnce	Time	–	Parallel
204	Chor	Inverse	Time	–	Parallel

MONO SPLIT REVERB

#	MonoSplitRvb Programs		Adjust	Tap	Routing
205	TAP	MIDSIZ	MIDRT	DELAY TIME	
206	PONG	LARGE	MIDRT	DELAY TIME	
207	BNCE	MIDSZ	MIDRT	DELAY TIME	
208	XFEED	SMALL	MIDRT	DELAY TIME	
209	XFEED	MIDSIZ	MIDRT	DELAY TIME	
210	LITEFL	MIDSZ	MIDRT	SPEED	
211	LITEFL	LARGE	MIDRT	–	
212	DEEPFL	SMALL	MIDRT	–	
213	DEEPFL	MIDSZ	MIDRT	–	
214	DEEPFL	ROOM	LIVENES	–	
215	4TH5TH	ROOM	PITCH	PREDELAY 1/32	
216	5TH6TH	ROOM	PITCH	PREDELAY 1/32	

Mono Split Reverb(cont.)

#	MonoSplitRvb Programs		Adjust	Tap	Routing
217	4THS	LARGE	MIDRT	–	
218	8VE	MIDSZ	MIDRT	–	
219	PCHFIN	MIDSZ	PITCH	–	
220	CHOR1	SMALL	MIDRT	–	
221	CHOR1	LARGE	MIDRT	–	
222	CHOR2	MIDSIZ	MIDRT	–	
223	CHOR2	LARGE	MIDRT	–	
224	CHOR3	MIDSIZ	MIDRT	–	

DUAL MONO

#	Dual Mono Programs		Adjust	Tap
225	Tap	Small	MidRT	Delay Time
226	Tap	MidSz	MidRT	Delay Time
227	Tap	Large	MidRT	Delay Time
228	Tap	Room	Liveness	Delay Time
229	DeepFl	Tap	Feedbk	Speed (1/4 Note)
230	DeepFl	Dot 8	Feedbk	Speed (dotted 1/4 Note)
231	8ves	Tap	Pitch	Delay Time
232	8ves	3pl	Pitch	Delay Time
233	Chor2	Tap	Feedbk	Delay Time
234	Chor2	Dot8	Feedbk	Delay Time
235	LiteFl	Large	MidRT	Speed
236	DeepFl	Large	MidRT	Speed
237	8ves	MidSz	MidRT	PreDelay 1/32
238	4ths	Large	MidRT	PreDelay 1/32
239	Chor1	Room	Liveness	--
240	Chor2	Room	Liveness	--

MPX 200 MIDI BEHAVIOR

The MPX 200 "learns" Program Change and Continuous Controllers in its Learn Mode.

Learned patches are supported for the front panel Mix, Adjust, EQ and Lvl/Bal parameters, as well as the front panel Bypass, Tap, and the four Compressor parameters.

- The Bypass, Tap and Compressor buttons can also be patched to Program Change.
- Program Change messages can also be used to load programs.
- Program Change messages 0-99 are reserved for executing program loads.

ASSIGNING A MIDI CHANNEL FOR PROGRAM LOAD

There is one MIDI channel for all MIDI messages. Values are "Off," Channels 1 through 16, or "All" Channels (OMNI mode). Its default value is Channel 1. See page 3-5 for additional information.

LEARNING OTHER MIDI PATCHES

The MPX 200 recognizes Pitch Bend, AfterTouch, and MIDI Continuous Controllers 1-31 and 33-119–in addition to Program Change messages–to manipulate the audio controls. To Learn a Continuous Controller or other MIDI message:

1) Press Store and Tap simultaneously to enter Learn Mode. The Store and Tap buttons light steadily to indicate Learn Mode is active and the display shows "Irn."

2) Press the desired button (for example, Tap or Bypass) or the Edit button to choose the desired editable parameter.

3) Send a Program Change message or move the MIDI controller through its full range. To use only a fraction of the controller range, limit your movement to the desired range. The Edit LED will flash to indicate incoming MIDI activity.

4) Press Store to commit to the assignment. The Store LED will flash rapidly and the display shows "Sto."

To assign another front panel control to a MIDI controller or Program Change message, repeat steps 2 - 4.

5. Press Store and Tap simultaneously to exit. The Store button will flash rapidly to indicate that you are leaving Learn Mode.

Note:
When a MIDI controller is assigned to Tap, moving it through the mid-point of its Learned range will execute a "press" of the front panel button. When a MIDI controller is assigned to Bypass or Compressor On/Off, moving above or below its mid-point will toggle the control on or off.

To aid MIDI controllers (such as some foot controllers) which do not allow sending "single-button-repeated" Program Change messages, the MPX 200 recognizes the next highest Program Change along with every Program Change message it learns for Bypass and/or Tap. For example, if you Learn Program Change 120 as the source for Bypass, Program Change 121 will also control Bypass functions. To avoid conflicting Bypass and Tap assign-

ments, leave a space between the two buttons' assignments. For example, if you learn Program Change 120 for Bypass, remember that 121 will also be learned, so you will have to jump to Program Change 122 (and 123) for Tap.

CLEARING A LEARNED ASSIGNMENT

1. Simultaneously press Store and Tap to enter Learn Mode. (The Store and Tap buttons light steadily to indicate Learn Mode is active and the display shows "lrn.")

2. Select the front panel control that you want to clear (for example, Mix, Lvl/Bal, Adjust, Bypass).

3. Press Store to clear the assignment. The Store button will flash rapidly and the display will show "Clr." `clr`

To clear another front panel assignment, repeat steps 2 and 3.

Simultaneously press Store and Tap to exit. The Store button will flash rapidly if you have changed any assignments.

LEARNABLE FRONT PANEL CONTROLS AND ASSIGNABLE MIDI SOURCES

Front Panel Control	MIDI Controllers 1-31, 33-119	MIDI Pgm Change 100-127	Defaults: Continuous Controller #
Mix	Yes	No	1
Adjust	Yes	No	2
EQ	Yes	No	3
Effects Lvl/Bal	Yes	No	4
Ratio	Yes	No	5
Threshold	Yes	No	6
Attack	Yes	No	7
Release	Yes	No	8
Bypass	Yes	Yes	18
Tap	Yes	Yes	17
Compressor (On/Off)	Yes	Yes	16

MIDI CLOCK

The MPX 200 recognizes MIDI Clock messages and applies the tempo (40-400 bpm) to any program which utilizes the Tap-Tempo feature. Connect a MIDI device which outputs MIDI Clock (such as the MPX R1 foot controller or a MIDI sequencer) to the MPX 200 MIDI IN jack to have the MPX 200 automatically recognize and begin to process the MIDI clock. When you change tempo on the connected device, the MPX 200 will follow along and adjust its delay times or rates to match the tempo.

This can be disabled with the MIDI Clock Receive parameter in System Mode.

MIDI DUMPS

MIDI Dumps allow you to back up the User programs, the currently running program, or your System Mode settings and Learned patch assignments, to a storage device (typically, a sequencer).

MIDI Dumps are performed in System Mode.

MIDI IMPLEMENTATION

Function		Transmitted	Recognized	Remarks
Basic	Default	X	1	Set as System Parameter 10 (page 3-4)
Channel	Channel	X	Off, 1-16, OMNI	
Mode	Default		Mode 2	
	Messages	X	X	
	Altered		X	
Note		X	X	
Number	True Voice			
Velocity	Note ON	X	X (Off=9n v=0)	
	Note OFF	X	X	
After	Keys	X	X	Used as controller
Touch	Channels	X	OX	Learned
Pitch Bender		X	OX	Used as controller, Learned
Control		X	OX	1-119 (0 and 32 used as Bank Select)
Change				Learned

MIDI Implementation (cont.)

Function		Transmitted	Recognized	Remarks
Program	True #	X	1-99	For bank 0 (programs 1 - 99)
Change			0-99	For bank 1 (programs 100 - 199)
			0-40	For bank 2 (programs 200 - 240)
			1-64	For User Bank (U1 - U64)*
System	Lexicon	O	O	Product ID=21 (decimal)
Exclusive	Real-Time	X	X	Device ID=MIDI Channel
	non Real-Time	X	X	0-15 = 1-16
System	:Song Pos	X	X	
	:Song Sel	X	X	
Common	:Tune	X	X	
System	:Clock	X	O	
Real Time	:Commands	X	X	
Aux	:Local ON/OFF	X	X	
Messages	:All Notes OFF	X	X	
	:Active Sense			
	:Reset	X	X	

Mode 1: OMNI ON, POLY   Mode 2: OMNI ON, MONO   O: Yes   X: No
Mode 3: OMNI OFF, POLY   Mode 4: OMNI OFF, MONO

*Responds only if a program has been stored in the corresponding User location

SPECIFICATIONS

Audio Inputs (2)
Level   -30dBu to +4dBu [see page 1-4]
Impedance   500K unbalanced for Direct Instrument input (Unit detects a mono input on the right input)1/4" connectors

Audio Outputs (2)
Level   +8dBu typical
Impedance   75 Ohms for Headphone output (Right only used for mono output; Left only used for stereo headphones) 1/4" connectors

Digital Audio Output
24-bit Digital S/PDIF output (always active)
Sample Rate   44.1kHz
Connector   Coaxial, RCA type

Digital Audio Input
Digital S/PDIF input (supports 44.1kHz sample rate only)
Connector
Coaxial, RCA type
Footswitch
Tip/Ring/Sleeve phone jack for Bypass and Tap (optional)
Frequency Response
Wet/Dry 20Hz-20kHz, ±1dB
THD+N
<0.05%, 20Hz-20kHz
Dynamic Range
A/A: >95dB typical, 20Hz-20kHz, unweighted
A/D: >100dB typical, 20Hz-20kHz, unweighted
D/A: >100dB typical, 20Hz-20kHz, unweighted
Conversion
24 bits A/D, 24 bits D/A
44.1kHz sample rate

Crosstalk
>55dB
Internal Audio Data Path
DSP: 24-bit
Power Requirements
100-120/220-240V~
50 - 60Hz, 25W
Dimensions
19"W x 1.75"H x 5.5"D (483x45x140mm)
Weight
Unit: 3.15 lb. (1.41 kg)
Environment
Operating
Temperature   32° to 104°F (0° to 40°C)
Relative
Humidity   95% non-condensing

Specifications subject to change without notice.

DECLARATION OF CONFORMITY

Application of Council Directive(s): 89/336/EEC and 93/68/EEC

Standard(s) to which Conformity is Declared: EN 55103-1, EN 55103-2, and EN 60065: 1998

Manufacturer: Lexicon, Inc., 3 Oak Park, Bedford, MA 01730-1441 USA

The equipment identified here conforms to the Directive(s) and Standard(s) specified above.

Type of Equipment: Dual Channel Processor

Model: Lexicon MPX 200

Date: January 01, 2001   Lexicon, Inc.
                                           Vice President of Engineering
                                           3 Oak Park
                                           Bedford, MA 01730-1441 USA
                                           Tel: 781-280-0300
                                           Fax: 781-280-0490