APPENDIX I

: USER'S MANUAL

Operating Your System
With The MX-6000
Two Way Touch Screen

UNIVERSAL®
remote control

This remote control was Custom Programmed for you by:

For questions about your Custom Programming call:

Custom Programming of a complex home theater and/or a multi-room system is one of the most challenging tasks within an audio/video installation. It involves an intimate knowledge of how the components interact and exact details on the proper sequences of control.

Only a Complete Control dealer has the requisite experience and training to quickly and effectively customize a remote control for true automated operation.

Congratulations on your choice!

MX-6000 Owners Manual © 2008 Universal Remote Control, Inc.

Front Cover Photo courtesy of Robert Ridenour of Connected Technologies, www.connected-technologies.com

UNIVERSAL ®
remote control

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Congratulations

You've purchased a unique synthesis of hardware and software engineering, the Complete Control MX-6000. The twin goals of the design team were to improve the elegance and usability of touch screens through the physical design while providing a new standard in brightness, clarity and animation for the touch screen itself.

Easy Operation

By assigning the important home theater operational buttons to the natural resting place of the end users thumbs, the MX-6000 achieves a new standard in use and comfort.

Automatic Backlighting

The integral motion sensor detects any movement of the touch screen and automatically backlights the screen. You do not have to press any button to display the screen. Any movement of the MX-6000 renews the backlighting. To adjust the backlighting, see page 11.

Programming the MX-6000

To fully automate an audio/video system and integrate two way automation of servers etc. the programmer must have a detailed knowledge of each component, LAN configuration, WiFi optimization and how the system is connected and operated. Only a trained and certified professional audio/video installer can install an MX-6000 automation system in a timely and efficient manner.

Connecting the Battery Pack

Unlock the rear cover by pressing down on the two locking tabs and sliding the battery cover forward.

Remove the cover. For shipment from the factory, the battery is left out of the MX-6000. Place the battery into the battery compartment, making sure you align the contacts on the battery to the contacts on the MX-6000. The battery will snap into place when aligned properly.

Replace the cover and snap it into place.

Using the Charging Base

Plug the 5V DC adapter into a power outlet and into the back of the charging base.

Gently place the MX-6000 into the cradle of the charging base. It automatically aligns itself to the contacts on the charging base.

The Status light should immediately light. Red indicates that it is charging. Blue shows that it is fully charged. There is no harm in leaving the MX-6000 on its charging base whenever it is not in use.

Red indicates charging, Blue that the remote is fully charged.

Two Way via WiFi

To use the MX-6000 with any two way companion product, the MX-6000 must be configured by your installer to be part of a LAN (local area network) via a WiFib/g access point or router. This is not user configurable. If you have any questions, consult with your custom installer.

Optional RF "No Rules" Operation

In combination with an MSC-400 Master System Controller, or an RF Base Station, the MX-6000 can control your system without being in line-of-sight of the equipment.

The MSC-400 enhances the capabilities of the MX-6000 by storing and issuing Smart Macros to your main system components. It is triggered by RF Smart Macro commands via RF (radio frequency). In addition, your MX-6000 can control components in secondary rooms and systems via MRF-350 or MRF-260 RF base stations.

1. The MX-6000 sends radio waves in every direction, so you don't have to point the remote anymore!

2. The RFX-250 RF Sensor can be freely positioned for optimal reception.

3. The MSC-400 can control IR, RS232 and Relay controlled devices.

4. Self-adhesive "Flashers" affix to the Infrared sensors on the front panels of your components. Uniquely, all Complete Control base stations can also connect to components with rear panel IR Inputs via adjustable IR Line Outputs. The MSC-400 offers RS-232 control via rear panel connections as well.

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Operating Your System

The MX-6000's main pages display the activities and devices in your system. Press the main page button to see what your choices are. Large systems may have more than one page. Press either of the Page buttons if you don't see all your devices.

Gently press any screen button with your finger to select an activity or a device. The screen will change to a display of the buttons you need for that activity/device. The Page buttons may reveal additional buttons for some devices and activities.

When you would like to control another device, press the main page button and select a new device from the main page.

The main page button in the upper left always displays the main menu pages.

The combination Scroll Wheel and 4 way cursor buttons enable you to both scroll lists of artists, albums or songs from your Music Server or to navigate on screen guides and menus with ease.
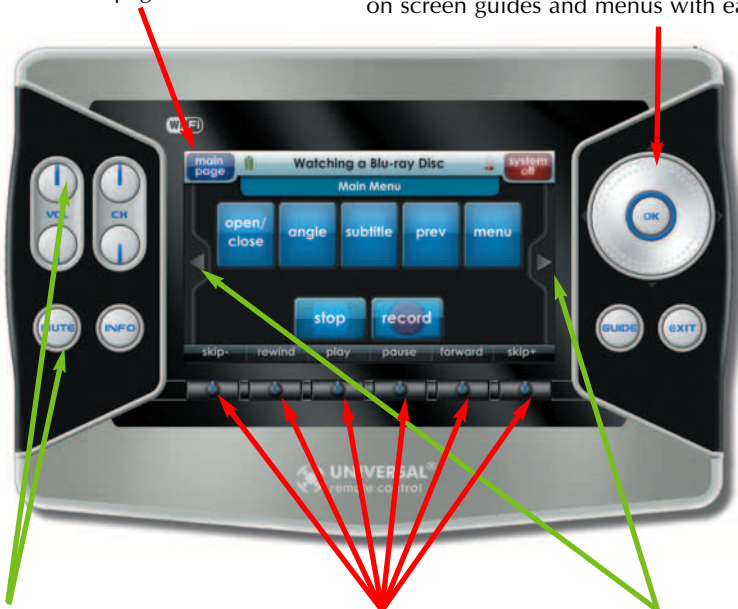
The Volume and Mute buttons are always available regardless of what screen is displayed.

The screen buttons are labeled dynamically and make commonly used functions easy to find by feel.

The Page buttons display additional pages of controls.

Using Two Way Personal Server Features

Step 1 – Insert an iPod into the PSX-1. The Universal Remote Control screen appears on the iPod. This means it's connected to the dock and ready for use with the MX-6000 remote control.
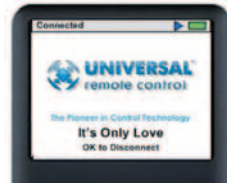
Step 2 – Select the dock you want to listen to from the Main page of your MX-6000.

Step 3 – If the system has just been turned on, you may see the message, "Connecting to iPod Dock". Once the MX-6000 has connected to the iPod Dock, the iPod menu screen appears. If the iPod is already playing, the "Now playing screen" appears.

Step 4 – When you browse for new content, operate the MX-6000 as you would the iPod. Press the Menu button, then place your thumb on the scroll wheel and rotate to navigate, then press the "OK" button to make your selection. The iPod Now Playing Screen appears after a selection is made.

Press the Menu button to display iPod menus.

Rotate the Scroll wheel to navigate.

Press the OK button to select content.

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Your unique personal server features are accessed from the left side of the screen of your MX-6000. Simply tap the feature you want:

Shortcuts to finding playlists, albums, artists, etc. without using the Menu button.

Shuffle exactly what you want (this album, this artist, this genre, etc.)

More from this artist, this album, this genre, even this composer...

Jukebox lets you build and manage your own playlist without accessing your PC.

Shortcuts:
The "Shortcuts" button makes navigating your iPod easier than ever before. Touch any button to jump directly to that menu. Example: Touch the "Artists" button to jump directly to the Artists menu.

Shuffle:
The "Shuffle" button opens an expanded menu of shuffle options. Touch any of the choices to enjoy your music in a random order.

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Play More From:
The "Play More From" button opens up a menu of choices to add to your current selection. By touching the "More from this Artist" button, all the additional songs, from the current Artist, will be added to the song queue.

Jukebox:
The "Jukebox" button opens a menu of choices allowing you to create a jukebox playlist in real time. Touch the "add song to Jukebox" icon or "add album to jukebox" to add the currently playing song or album to the jukebox. To play the jukebox, touch the "play jukebox" icon. To edit the jukebox, touch the "view jukebox" icon. Note: the Jukebox playlist is cleared when the iPod is replaced or in the event of a power failure.

Edit Jukebox:
Songs can be moved up, down or deleted from the jukebox list by using the control keys on the right of the "view jukebox" screen. To exit from the "View Jukebox" screen, touch either the" Go Back" button or the "Now Playing" icon.
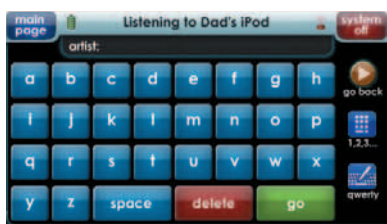
Using the Alpha Search Feature:
The "search" button appears in the upper right whenever you are looking at a Menu or Jukebox screen. Once you click on Search, an alphabetical keyboard appears. Simply type in what you'd like to search for and touch "Go".

The 1, 2, 3 icon opens the numeric keypad screen.

The qwerty keyboard icon toggles between a qwerty style keyboard and a simple a,b,c keyboard.

The "Go Back" icon takes you back to the menu screen.

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Displaying the Settings Screen

You can adjust the settings of the MX-6000 whenever you like by pressing and holding both the MUTE and OK buttons for five seconds. When you do, the screen will change to the SETTINGS screen. If you do not press any button on the SETTINGS screen within 30 seconds, the MX-6000 will time out and automatically return to normal operation.
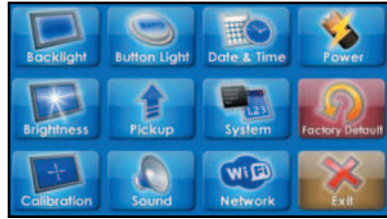
Adjusting Backlighting

If you uncheck the check boxes, the MX-6000 will stay lit until the battery is exhausted. If you check the check boxes, you can select from the list of delays. The amount of delay you select will be the how long the MX-6000 stays lit. You can save battery life this way.
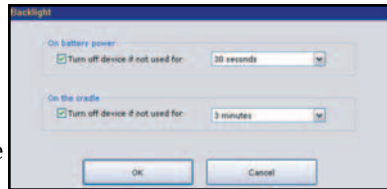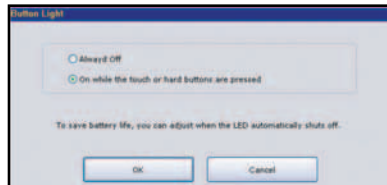
Adjusting Brightness

Simply touch and drag the brightness slider to the desired level. Increased brightness does affect battery life.
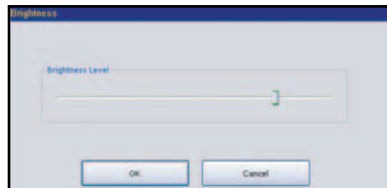
Button Light Settings

You can opt to conserve battery life by disabling the LED lighting behind the buttons.
This is done by selecting "always off".

Sound

Your MX-6000 may have been programmed to make sounds. This is optional, and some professional installers may prefer to keep it silent. However, you can adjust the volume to any level you like by touching and dragging the volume control here.
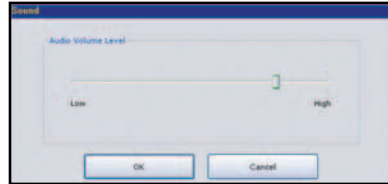
Setting Time and Date

Your MX-6000 may have been programmed to display the time or date on the touch screen. If you need to, you can adjust the time displayed by changing the settings on this screen. If you live in a part of the country that uses daylight savings time, check the box next to: "Automatically adjust time for daylight savings time".
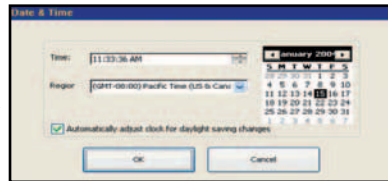
Power Settings

You can display the remaining charge by selecting Power. You can also adjust when the low battery warning screen will appear.
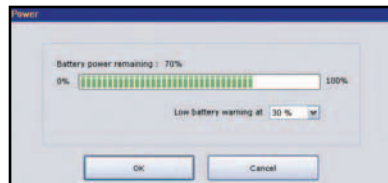
System

The System Information screen displays data about your MX-6000's operating system, memory etc.

Pickup Settings

You can set your MX-6000 to only
turn on when touched, or every
time you move it.
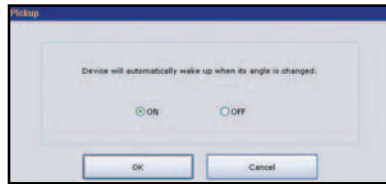
Network

The Network screen displays net-
work information about your
MX6000 and the wireless network
it is connected to.
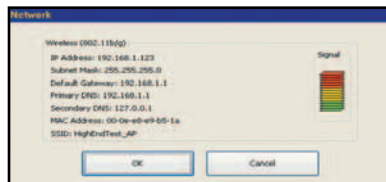
Calibration
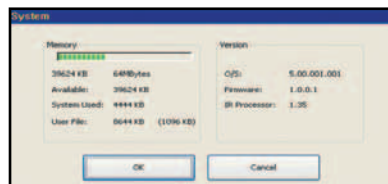
If you like, you can calibrate where you tap by running the calibra-
tion. You will need a pen top or PDA stylus to do this. Do not
attempt to calibrate using your fingers.

Factory Default

WARNING! Only use this button
when instructed to by Technical
Support. It resets the memory of
the MX-6000 to the factory condi-
tion. All your programming will
be lost!
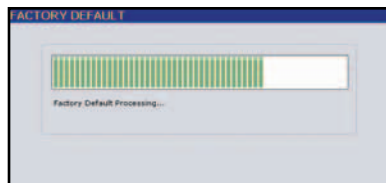
Exit

When you have finished adjusting
Settings, simply tap the EXIT but-
ton to return to normal operation.

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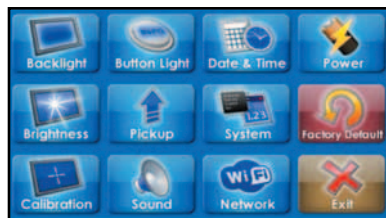
USA Limited Warranty Statement

Your Universal Remote Control, when delivered to you in new condition, is warranted against defects in materials or workmanship as follows: UNIVERSAL REMOTE CONTROL, INC. warrants this product against defects in material or workmanship for a period of one (1) year and as set forth below. Universal Remote Control will, at its sole option, repair the product using new or comparable rebuilt parts, or exchange the product for a comparable new or rebuilt product. In the event of a defect, these are your exclusive remedies. This Limited Warranty covers only the hardware compo-nents packaged with the Product. It does not cover technical assistance for hardware or software usage and it does not cover any software products whether or not contained in the Product; any such software is provided "AS IS" unless expressly provided for in any enclosed software Limited Warranty.

To obtain warranty service, you must deliver the product, freight prepaid, in its original packaging or packaging affording adequate protection to Universal Remote Control at the address provided in the Owner's Manual. It is your responsibility to backup any macro programming, artwork, software or other materials that may have been programmed into your unit. It is likely that such data, software, or other materials will be lost during service and Universal Remote Control will not be responsible for any such damage or loss. A dated purchase receipt, Bill of Sale, Installation Contract or other verifi-able Proof of Purchase is required. For product support and other important information visit Universal Remote Control's website: http://www.UniversalRemote.com Or call the Universal Remote Control Customer Service Center (914) 835-4484.

This Limited Warranty only covers product issues caused by defects in material or work-manship during ordinary consumer use. It does not cover product issues caused by any other reason, including but not limited to product issues due to commercial use, acts of God, third-party installation, misuse, limitations of technology, or modification of or to any part of the Universal Remote Control product. This Limited Warranty does not cover Universal Remote Control products sold as USED, AS IS, REFURBISHED, so-called "B STOCK" or consumables (such as batteries). This Limited Warranty is invalid if the factory-applied serial number has been altered or removed from the product. This Limited Warranty is valid only in the United States of America. This Limited Warranty specifically excludes products sold by unauthorized resellers.

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful inter-ference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one more of the following measures:

◆ Reorient or relocate the receiving antenna.
◆ Increase the separation between the equipment and receiver.
◆ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
◆ Consult the dealer or an experienced radio/TV technician for help.

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Warning!

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.
Note : The manufacturer is not responsible for any Radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

FCC Caution

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 undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.

The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Federal Communication Commission (FCC) Radiation Exposure Statement
This EUT is compliance with SAR for general population/uncontrolled exposure limits in ANSI/IEEE C95.1-1999 and had been tested in accordance with the measurement methods and procedures specified in OET Bulletin 65 Supplement C.

Maintaining Your MX-6000

Be careful not to scratch the touch screen, only use your finger to tap the LCD touch screen or use a plastic pen top or PDA stylus. Never use a real pen, pencil or any other sharp object on the screen. Keep it away from extreme cold or heat. The MX-6000 is not waterproof. Do not use it in any location that is damp or wet. If you spill water on it, take out the battery pack and let the MX-6000 dry for 48 hours before you try powering it up again. If you spill coffee or another beverage on it, clean it with distilled water. Make sure no water gets inside the MX-6000. The touch screen contains a glass element. Don't drop the MX-6000 or impact it against anything.

Use a soft, damp cloth to clean the screen. If the screen still shows finger prints, clean it with watered down window-cleaner. Do not use anything abrasive and don't use too much water, some might leak into the interior.

Precautions & Information: Rechargeable Lithium Ion Batteries
If you will not be using your remote control for an extended period of time, be sure to remove the battery. Do not attempt to disassemble, alter or apply heat to the battery. Use care to avoid dropping the battery or subjecting it to severe impact that could damage the case. The battery should not be immersed in water. Lithium Ion batteries are recyclable. For the address of a recycle drop-off location near you call toll free 1-800-822-8837 or visit http://www.rbrc.com

Specifications

Microprocessor: 533MHz ARM9
RAM: 128Mbyte Mobile DDR
NAND: 64Mbyte
LCD: 4.3 Inch Wide Screen (480 by 272)
LCD Backlighting by LED
Sound: 2 x 1 watt
USB: 2.0
Devices - Supports up to 255 Devices with text, less with heavy graphics usage
Pages - Supports up to 255 Pages on each Device with text, less with heavy graphics usage
Learning Capability - Standard frequencies (15kHz to 455kHz)
Macro Capability - Up to 255 steps each, however nesting is allowed

IR Learning: 20-455 kHz
IR Range (Line of Sight via Infrared): 30-50 feet, depending on the environment
RF Frequency: 418MHz
RF Range (radio frequency): 50 to 100 feet, depending upon the environment
WiFi: IEEE 802.11 B (11Mps), G (54Mps)
Battery: Lithium Ion, 4800 mA hours
Battery Capacity: 4 hours continuous use, 9 days standby
Battery Charging Time: 7 Hours
Dimensions: 7.5"Wide x 5.1"Deep x 1.3"Height
Weight (without AC Adapter): 15 oz

COMPLETE
CONTROL™

Universal Remote Control®

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