



APPENDIX H
: USER'S MANUAL

MXW-920i

Splash Proof Controller

Owner's Manual



COMPLETETM
CONTROL

 **Universal Remote Control®**

MXW-920i Owner's Manual ©2011 URC, Inc.

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*Universal Remote Control, Inc.
500 Mamaroneck Avenue, Harrison, NY 10528
Phone: (914) 835-4484 Fax: (914) 835-4532*

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Congratulations!

Thank you for purchasing the Complete Control MXW-920i splash proof wand-style controller. This unit can directly control every IR device in your home. You can also control devices located in different rooms by integrating an MRF base station. Controlling your home is simple with the MXW-920i remote.

Splash Proof IR/RF wand-style controller

The Splash Proof MXW-920i wand-style controller can be used outside as well as indoors. It's the perfect controller for kitchen, bath and poolside use. It is not intended for underwater use or exposure to sugar-based substances (e.g., soda or lemonade). Make sure the MXW-920i is dry when changing batteries. IP Code 54, JIS Class 4.

Ideally suited for poolside control

Entertain your guests by controlling your sound system or more while poolside. Use the MXW-920i by the pool without the worry of damaging your remote.

Controls up to 40 devices

The MXW-920i has the capacity to control up to 40 devices throughout your home. Turn off devices that are not in use when walking by a room. It's like having a master key for your electronic devices.

Ultra-reliable narrow band RF - compatible with URC 433 MHz RF Base Stations

The MXW-920i can communicate directly to RF base stations, such as the MRF-350i and the MRF-260i. It also natively communicates with URC Lighting via 433.92 MHz RF. This gives the MXW-920i the ability to control your system without being in direct line-of-sight.

Fast setup of complex systems via Complete Control PC editor

To fully automate an audio/video system, and integrate two-way automation of servers etc., the programmer must have 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 MXW-920i remote control in a timely and efficient manner.

Using the MXW-920i

The MXW-920i displays the Main or Device page at the top of the screen. Below the title, the LCD displays the device or command names. All the hard buttons of the MXW-920i are changed to control the functions of the selected device.

The **Title** displays the Main or Device pages you can control.

Press either of the **Page** buttons to see any other available choices.

The **Volume** and **Mute** buttons always control the sound regardless of what screen is displayed.

The **Transport buttons** (**Play**, **Stop**, **Skip**, **Skip+**, **FF**, **REW** and **Pause**) operate when the selected device requires them. When watching Cable TV, use the number keypad to enter channel numbers. When listening to a CD, the number keypad enters track numbers.



The **LCD button labels** describes the functions available for the current activity or device.

The **Channel** and **Previous Channel** buttons adjust channels for devices with channel functions (i.e. cable boxes)

The 5-way cursor buttons enable you to navigate on screen guides and menus with ease.

The **Light** button backlights all the buttons and activates the LCD screen

The **Number keypad** enters numbers for the devices you've selected. When watching Cable TV, use the number keypad to enter channel numbers. When listening to a CD, the number keypad enters track numbers.

Displaying the Setup Screen

You can adjust the settings of the MXW-920i controller whenever you like. Simply press and hold both the **Main** and the **Enter** buttons at the same time for three seconds. The screen displays the Setup and the Edit screens. Press the Page + and - buttons to toggle between both screens. If you do not press any button on the Setup screen within 30 seconds, the MXW-920i times out and automatically returns to normal operation. You can return to normal operation before that by pressing the **Main** button.

At the same time, press and hold both the **Main** and the **Enter** buttons. When the Setup screen appears, release the two buttons.



Selecting from the Setup Screen

Simply touch the button for the setting you'd like to adjust:



- LCD** - Adjustments for the LCD screen (brightness, contrast, light)
- Light** - Adjustments for backlight of the buttons.
- Sound** - The volume of the beeps.
- System** - Set the threshold for the low battery warning
- Version** - Displays factory info.

Setting the LCD

With these settings, you can set the MXW-920i to constantly display the LCD or have it turn off when not in use. Additionally, you can control the contrast of the screen and the color of the backlighting.



To activate the **LCD On/Off** setting, press this button. See below.

To activate the **Contrast** setting, press this button. See the next page.

To activate the **Brightness** setting, press this button. See the next page.

To exit without saving any changes you have made, press **Exit**.



LCD Timer Setting:

If you set the LCD to **OFF**, the timer settings appear. The LCD turns off after the set amount of time set by adjusting the **Left** and **Right** arrow keys.

The timer can be set to turn off the LCD between 10 seconds and 20 minutes.

The Timer Interval is displayed here.

To save any changes you have made, press **Save**.

To exit without saving any changes you have made, press **Exit**.

To change the timer interval, press the **Left** or **Right** arrow keys.

Setting LCD Contrast

You can adjust the contrast of the LCD screen using the **Left** and **Right** arrow keys once the LCD Contrast screen has been selected (shown on the previous page).



The current contrast is displayed here via a bar graph.

To save any changes you have made, press **Save**.

To exit without saving any changes you have made, press **Exit**.

Adjust the **Contrast** setting with the **Left** and **Right** keys as shown in the previous pages.

Setting LCD Brightness

You can adjust the brightness of the LCD screen using the **Left** and **Right** arrow keys once the LCD Brightness screen has been selected (shown on the previous page).



The current brightness is displayed here as a bar graph.

To save any changes you have made, press **Save**.

To exit without saving any changes you have made, press **Exit**.

Adjust the LCD brightness with the **Left** and **Right** keys as shown in the previous pages.

Light Settings

You can adjust the backlighting of the remote in two additional ways:

1. You can turn on/off the LCD and the hard button backlighting.
2. You can select the length of time the lighting stays on after the last button press from a range of values between 10 seconds and 90 seconds.



Change whether the backlighting is on or off by pressing this button.

If you want the backlighting always off, set it to **OFF**.

If you would like the backlighting on, select **ON**.

The current timer setting is displayed here in seconds.

Adjust the backlighting timer setting with the **Left** and **Right** keys as shown in the previous pages.

Sound Volume

Your MXW-920i beeps whenever a button is pressed. However, you can adjust the volume of the beep to one of four levels as shown here.



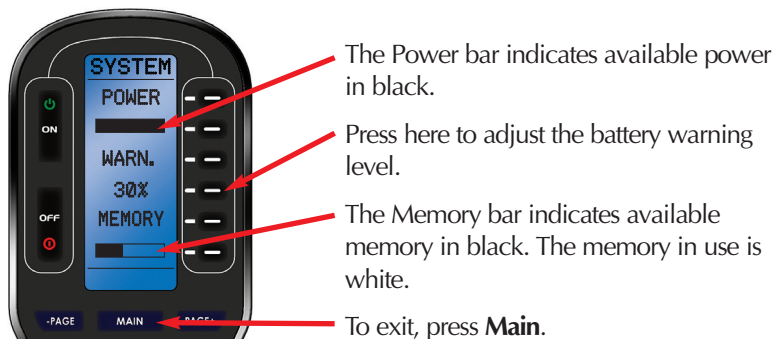
- OFF
- SLIGHT BEEP
- MODERATE BEEP
- LOUDEST BEEP

The current Beep volume is displayed here as a "bar."

Adjust the volume of the beep by tapping the **Left** and **Right** (use capitals) arrow keys as shown in the previous pages.

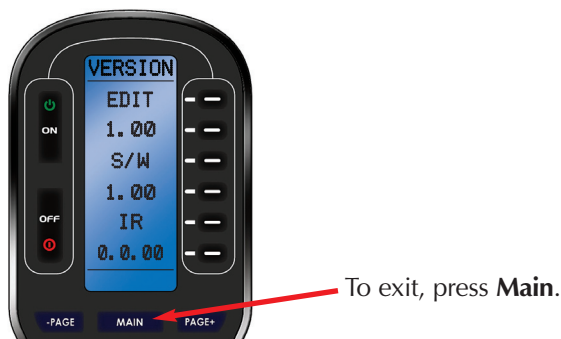
System Settings

You can set your MXW-920i to display the Low Battery warning at a power level between 0% and 20% (in 5% increments).



Version Information Displays

Should you be curious, the Version indicates what firmware and software versions were used to program your MXW-920i.



Selecting from the Edit Screen

This section is for CUSTOM INSTALLER USE ONLY. Touch the button for the setting you'd like to adjust:



Text - Change the label of a device or button.

Learn - Transfer IR data from remote to MXW-920i.

Erase - Remove learned data.

Factory - Installer ONLY. Do not press unless instructed by a custom installer. All data will be lost once the sequence has begun.

Adjusting the Text

Select Text from the Edit screen to modify any labels.



Device - Select a device to rename by pressing an adjacent button. Use the arrow and number buttons to add letters.

Button - Changes the label of a button within a device.

To exit, press **Main**.

Learn commands

Transfer commands from a component remote to the MXW-920i using the Learn feature.



Device - Copy a command to a device button.

Button - Copy a command to a button within a device.

To exit, press **Main**.

Erasing learned data

Remove any unwanted learned commands from the remote.



Button - Erases a specific command residing on a button within a device.

DevBtn - Removes any learned commands on a device button label such as Cable.

Device - Erases all learned commands for one device.

All - Erases all learned data on the remote.

To exit, press **Main**.

Performing a Factory Default



WARNING: DO NOT PROCEED UNLESS SPECIFIED BY YOUR CUSTOM INSTALLER! THIS SECTION WILL ERASE ALL DATA ON THE REMOTE.

Pressing Yes will format the remote's disk and set it back to the factory settings.

To exit, press **No** or **Main**.

Battery Installation

Open the battery cover by using a Phillips screwdriver to remove each of the four screws. Remove the cover. Observe the + and - polarity indications inside the battery compartment. Place the four AAA batteries into their positions in the battery compartment observing the + and - polarity indicators on the batteries. Now, replace the battery cover by replacing the 4 screws into their slots.

Specifications

Memory: 4 Megabits of Flash Memory (for User Configuration)

Devices: Flexible, typically can support up to 40 Devices

Pages: Flexible, typically can support up to 40 Pages on each Device

Learning Capability: Standard frequencies (15kHz to 460kHz)

Macro Capability: Up to 255 steps each, however nesting is allowed

IR Range (Line of Sight via Infrared): 30-50 feet, depending on the environment

RF Range (radio frequency): 50 to 100 feet, depending upon the environment

RF Frequency: 433.92MHz

Weight: 5.68 ounces (without batteries)

Size: 8.9" H x 2.34" W x 1.1" D

Batteries: 4 AAA Batteries

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 components 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 verifiable 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 Customer Service Center (914) 835-4484.

This Limited Warranty only covers product issues caused by defects in material or workmanship 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.**

LIMITATION OF REMEDIES

UNIVERSAL REMOTE CONTROL SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY OR CONDITION ON THIS PRODUCT. IN NO EVENT SHALL UNIVERSAL REMOTE CONTROL BE LIABLE, WHETHER IN CONTRACT OR IN TORT (INCLUDING NEGLIGENCE) FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, ACCESSORY OR SOFTWARE, OR FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR DATA, SOFTWARE OR APPLICATIONS OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE ABILITY OR INABILITY TO USE THE PRODUCTS, ACCESSORIES OR SOFTWARE TO THE FULL EXTENT THESE DAMAGES MAY BE DISCLAIMED BY LAW.

EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, THERE IS NO OTHER WARRANTY EXPRESSED OR IMPLIED. UNIVERSAL REMOTE CONTROL WILL NOT BE HELD RESPONSIBLE FOR STATEMENTS MADE BY OTHERS CONCERNING THE MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT.

Some states or jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This Limited Warranty gives you specific legal rights and you may have other rights which vary from state to state or jurisdiction to jurisdiction.

REV020708

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 interference 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.

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

The device and the antenna for this device must be installed to ensure a minimum separation distance of 20 cm more from a person's body. Other operating configurations should be avoided.

Regulatory Information to the user

■ CE conformity Notice

Products with "CE" marking comply with the R&TTE Directive 1995/5/EC, EMC Directive 2004/108/EC and Low Voltage Directive 2006/95/EEC issued by the commission of the European Community.

1) R&TTE Directive

- EMC : ETSI EN 301 489-1,3
- RF : ETSI EN 300 220-1,2
- : ETSI EN 300

2) EMC Directive

- Emission : EN 55022
- Immunity : EN 55024
- Power : EN-61000-3-2, 3

■ Declaration of Conformity

"Hereby, Universal Remote Control Inc. declares that this MXW-920i is in compliance with the Essential requirements and other relevant provisions of Directive 1999/5/EC."



Certification	CE 2200
Type No.(Model No.)	MXW-920i
Batch/Serial No.	-
Power Rating	6.0V [AAA BATTERY 4EA]
Frequency band	433.92 MHz

Declaration of Conformity

Company Name : Universal Remote Control Inc.
 Company Address : 500Mamaroneck Avenue, Harrison, NY 10528, U.S.A
www.universalsremote.com
 Contact Information : Phone: (914)835-4484 Fax: (914)835-4532
 Brand Name : UNIVERSAL remote control
 Product Name : RF Remote Controller
 Model Name : MXW-920i

This product herewith complies with the requirements of EMC Directive (2004/108/EC) and R&TTE Directive(1995/5/EC) issued by the Commission of the European Community

Compliance with these directives implies conformity to the following European Community

- EMC Directive
 - EN 55022
 - EN 55024
 - EN 61000-3-2
 - EN 61000-3-3
- R&TTE Directive
 - ETSI EN 301-489-1,3
 - ETSI EN 300 220-1,2
 - ETSI EN 300

List of test reports and/or certificate verified compliance with the standards above

- EMC Directive
 - Report No.
 - Testing Laboratory : Gumi College EMC Center
- R&TTE Directive
 - Certificate No.
 - Certificate Body : SIEMIC (No. 2200)

Date of issue : March 16, 2012

Name and signature of authorized person : James Novak
 Senior Product Manager
 Universal Remote Control Inc.



 **Universal Remote Control®**

500 Mamaroneck Avenue, Harrison, NY 10528

Phone: (914) 835-4484 Fax: (914) 835-4532

www.universalremote.com

