

SPECIFICATIONS

Setup

- Standalone (no computer needed)
- Compatible with any DMX device
- Standard unit comes with 1 DMX universe but up to 2 additional universes are available as add-ons, which are sold via the WTOOLS app.
- Up to 680 fixtures & beams
- Up to 50 fixture types
- Up to 5000 fixture features (color/gobo etc...)
- 8 fixture groups
- 6 projects
- 15000+ available fixtures (3500+ on the controller)
- DMX address, fixture order & group setup
- Use as a DMX splitter with DMX universe mapping

Palettes & FX

- Color FX module with 8 effect types & 16 definable colors
- Move FX module with 8 effect types
- Beam FX module with 8 effect types
- 6 Flash buttons for controlling Special FX, Strobe, Blinder, Speed, Blackout & Smoke
- Static color palette with 10 user definable colors per group & gradient control
- Static position palette with 5 user definable positions per group with fade & fanning
- Gobo palette with 5 user definable gobos per group
- 20 namable live edit buttons with flash triggering mode and 'Park' function
- 100 namable presets for storing snapshots with hold and fade timings
- Preset playback cue list- all presets or per page of 20 presets

Control & Sync

- Group and master dimming with encoder acceleration
- Group FLASH, FULL and Blackout
- 16 bit Pan/Tilt control
- Multi-beam LED bar control
- FX music pulse sync from Microphone or Line-In
- FX BPM sync with Ableton Link, OS2L or BPM TAP
- Effect Speed, Phase, Order, Size, Fade, Fan & Flick
- Live control of move FX registration point
- Global FX speed and freeze control
- Map DMX IN with group dimmer and patch to output channels*
- WLINK - sync with another WMX1 MK2 controller

Built-in tools

- Fixture Builder
- Fixture calibration tool, to limit the area of moving fixtures
- X-Y touch controlled positioning grid
- RGBW touch controlled color picker
- 8-step real time sequencer for creating beam and move FX
- Live view of DMX levels with default value override and DMX channel tester
- Beam Editor to override Min and Max values used in generated FX

Other neat features

- Calibrate and RGB, White, Amber, UV mixing with automatic fixed color wheel translation
- Automatic matching of similar gobos across different fixture types

- Timed release of flash and preset buttons
- Fixture FLIP function, for reversing beam order
- Fixture SPLIT function, for splitting up multi-FX bars
- Lock full controller, or lock editing with a password
- Project & fixture backup with WTOOLS app
- Offline 3D visualization with Easy View & WTOOLS over USB*
- Auto-recovery of active project (no manual saving needed)
- Import different fixture setups into the same project
- Starts in under 2 seconds. Starts sending DMX in under 1 second
- Factory firmware startup recovery mode for times of crisis

***some features require an add-on purchase available through the WTOOLS app**

Display

- 4.3" Color TFT with tinted glass
- Capacitive touch

Encoders

- Full body alloy
- Incremental push with acceleration

Button pads

- 37 Silicone buttons with matt oil finishing
- LED color backlit

Processing

- 220Mhz CPU with ARM core
- 8MB RAM
- 16MB Flash

Audio

- Sync FX with the music
- Analog audio peak detection circuit
- Built in microphone with auto-gain
- 3.5mm jack socket

DMX

- 2x 3pin DMX OUT XLR connectors
- 1x 5pin DMX OUT XLR connector
- 1x 5pin DMX IN/OUT XLR connector with WLINK

USB

- USB B powered
- USB A port for MIDI over USB and project loading & back-up
- Sync with Ableton Link & OS2L via a computer
- Link with MIDI faders and sync with MIDI clock
- Backup projects and fixtures to a memory stick

Housing

- ABS Plastic
- Powder-coated steel base plate with 100mm VESA (M4 6mm max)
- Powder-coated steel reinforced back plate

Size & weight

- 195 x 220 x 62 mm / 7.68 x 8.66 x 2.44 in
- 1070g / 2.36lb

Optional Upgrades

- Easy View 3D Visualizer: \$99
- WLINK (+DMX IN): \$49
- Additional DMX universes (Up to 2 more can be purchased): \$99ea.

Specifications subject to change without notice.