MEMO_MINUTES

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Contact: tech.support@malighting.com

External touch screens for grandMA2

There are several possible touch screens available in the markets which are presented by different models and technologies within different brands. MA Lighting always recommended ELO touch screens as general orientation as ELO seems to be a kind of a standard when it comes to touch screens.

We offer the following specifications:
- **Touch Technology*: ELO Intelli-touch 4 wire touch technology**
- **Connectivity: A USB interface**
- **Video Interface: VGA or DVI**
- **Resolution: Monitors should have a minimum resolution of 1280x800.**

*ELO is using a variety of different touch technologies. In general every standard touch screen technology that can be handled as a USB-Input-Device (like keyboard, mouse) could work. Nevertheless, due to a completely different USB interface handling the APR-technology will not be supported.

ELO touch screens can be identified by a model name and a part-number. The part-number reflects the technology that is used within the model.

Here are two tested devices as examples:
ELO-model 1919L: http://www.elotouch.com/Products/LCDs/1919L/default.asp
Part-number: E015447 which reflects the Intelli-touch technology for EMEA region

ELO-model 2200L: http://www.elotouch.com/Products/LCDs/2200L/default.asp
Part-number: E808372 which reflects the Intelli-touch technology for EMEA region

Supported consoles:
grandMA2 full-size
grandMA2 light
grandMA2 ultra-light
grandMA2 replay unit
grandMA2 onPC (might be depending on used hardware and operating system)

All console products can support as many touch screens as they support monitors, or mixed combinations of touch screen and standard monitor.
grandMA2 hardware in mode grandMA series 1 does not support any touch-screen-functionality.

There are more topics to think of when buying a touch screen!
If working in loud environments any acoustic touch solution might be interrupted or at least might interfere with the noisy environment.
If working outside a sealed version that withstands rain and dust and might be temperature independent as much as possible is the best solution.
If touch and move is required not all technologies might support touch & hold to move an object via the finger move over the touch surface.

Here are some more detailed information about all touch-technologies if required. This does not reflect the possible touch-technologies that will work with grandMA2 consoles. This is only for your broader overview:

Different technologies available (please follow the link):
Acoustic Pulse Recognition   http://www.elotouch.com/Technologies/AcousticPulseRecognition/default.asp
Accu Touch 5 Wire Resistive   http://www.elotouch.com/Technologies/AccuTouch/default.asp
Carroll Touch Infrared   http://www.elotouch.com/Technologies/CarrollTouch/default.asp
Intelli Touch Surface Wave   http://www.elotouch.com/Technologies/IntelliTouch/default.asp
Intelli Touch Plus Surface Wave   http://www.elotouch.com/Technologies/IntelliTouch/Plus/default.asp
iTouch Surface Wave   http://www.elotouch.com/Technologies/iTouch/default.asp
iTouch Plus Surface Wave   http://www.elotouch.com/Technologies/iTouch/plus/default.asp
Projected Capacitive   http://www.elotouch.com/Technologies/ProjectedCapacitive/default.asp
Surface Capacitive   http://www.elotouch.com/Technologies/SurfaceCapacitive/default.asp
Secure Touch Surface Wave   http://www.elotouch.com/Technologies/SecureTouch/default.asp

Overview and comparison of different technologies of ELO touch screens:
http://www.elotouch.com/Resources/compare_all.asp