



# Technical bulletin

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## External touch screens for grandMA2

There are several possible touch screens available in the market 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. But of course there are much more available. Therefore it is impossible to test them all. Please choose carefully and test for yourself.

**Touch screens should comply with the following specifications (from software version 3.1 onwards):**

Certification: Microsoft WIN8 compliant\*

Connectivity: USB interface

Video Interface: VGA or DVI or HDMI (might require adapters)

Resolution: Monitors should have a minimum resolution of 1024x768.

*\*If your screen is not Microsoft WIN 8 compliant but works with the Intelli-touch 4wire touch technology from ELO it will work as well for backwards compatibility (see also specification below software version 3.1 at the end of this document).*

Touch screens can be identified by a model name and a part number or production code. The part number or production code usually reflects the technology that is used within the model.

**Here are some models in detail that are tested by the MA Lighting team:**

ELO 1928L

ELO-model EP1928L-8CWM-1-GY-G

Part-No E686772 (Intelli-touch 4wire touch technology)

ELO-model 2200L:

Part-number: E808372 (Intelli-touch 4wire touch technology for EMEA region)

ELO-model 2201L

Part-number: PCAP (Worldwide) - E497002 (TouchPro™ Projected Capacitive - 10 Touch technology)

LG Flattron T1710B-BN

Product Code: T1710B-BNU.AEUOAPN

Model No: T1710BU

FCC ID BEJT1710BU

Dell P2314T,

Model No: P2314Tt Touchscreen-Monitor

DP/N: OK5YC5

REV A01



Acer T272HLbmidz, Touchscreen-Monitor  
Model No: T272HL  
Version: T272HL bmidz  
Part No. UM.HT2EE001  
EAN: 4 712196 332631

**grandMA2 Software Versions below 3.1 are specified as follows:**

- Touch Technology\*: ELO Intelli-touch 4 wire touch technology
- Connectivity: 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

Part-number: E015447 which reflects the Intelli-touch technology for EMEA region

ELO-model 2200L

Part-number: E808372 which reflects the Intelli-touch technology for EMEA region

**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.

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