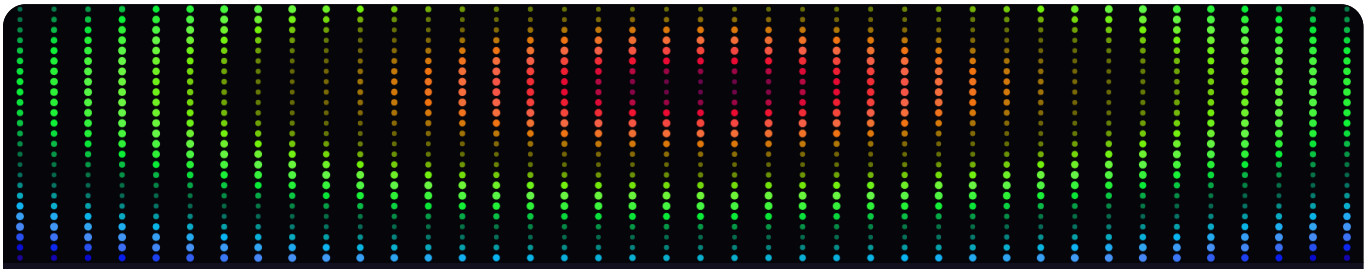
Lumaestro
PhoneShow

INFO SHEET

Every phone in the room becomes a point of light.

All the phones in the room switch colour, wave or image at **the same moment**.
The audience scans a QR code and joins in, with no app and no extra equipment.



The room from above: each dot is a phone, and the wave travels across the floor plan.

1%
processor load with 1000 connected phones, on an ordinary server

0
apps to install, everything runs in the browser

14
light effects, plus images and text

4G
also works without venue wifi, through a server on the internet

HOW IT WORKS

A room full of light in three steps

1

Scan

The QR code goes on a screen, a poster or in the programme booklet. The address is short and opens in the phone's browser.

2

Join in

Guests tap the floor plan where they sit, then tap Join. The screen stays on and from then on it is a point of light.

3

Control

You pick an effect in the panel on your laptop or phone, or start a show you set up beforehand on the timeline.

WHY THEY SWITCH TOGETHER

One agreed moment for every phone

A phone on a slow connection receives its command later than the rest. PhoneShow therefore gives every action an agreed time slightly in the future. All phones wait for that moment and switch together. The panel counts how many phones were late, so you can raise the lead time on the spot.

HOW YOU RUN IT

On the internet or in the venue itself

RECOMMENDED FOR LARGE GROUPS

On a server on the internet

The audience uses 4G or 5G, with no venue wifi. You get one fixed https link with a QR code, a password-protected panel and, if you like, your own domain.

WITHOUT INTERNET

Windows program on a laptop

One program with no installation, with a window for the password, QR code and control panel. For many phones you will need good venue wifi.

FEATURES

What you can show on the phones

Effects

Fourteen effects, from a solid colour to waves that travel through the room.

Solid · Fade · Strobe · Pulse · Rainbow · Wave · Chaser · Twinkle · Confetti · Light bar · Colour wave · Rings · Fan · Spinner

Floor plan of the room

Phones know where they are, so waves, rings and fans really travel across the room. You draw the room yourself, with stage, aisles and pillars.

Images

A logo or picture is loaded onto all phones beforehand and then appears on every screen at once on command.

Sing-along

A text feed shows the verse in large type over the light and changes on all phones at once. An empty step removes the text, for when the audience only sings the chorus.

Shows on a timeline

Build a show in the timeline editor: for each step you choose light, lyrics or an explanation at a fixed moment. The show is stored on the phones beforehand and runs on the clock, or you step through it by hand when a live show runs late.

Screen stays on

The phones keep their screens awake. If that fails on a device, the panel says so.

LINK TO LIGHTING

Stand-alone, or part of your lighting desk

FROM LIGHTING DESK TO AUDIENCE

Art-Net and sACN

The room works as one fixture with zones or as an LED wall with pixels. Whatever your desk sends appears on the phones. This works on a local network with the Windows version.

FROM PHONESHOW TO LIGHTING

Actions in the show

A Lumaestro scene starts at a fixed moment in the timeline. Lights and phones then run in the same show.

TECHNICAL

The facts

Audience	A modern browser on the phone, no app.
Control	Password-protected web panel for laptop or phone, with the pages Live, Timeline/Program, Layout and DMX.
Synchronisation	Each phone's clock is set to match the server. Actions run with an adjustable lead time, 0.3 seconds by default.
Load	With 1000 connected phones the server used about 1% processor and 63 MB of memory (VPS with 4 cores). The server load stayed around 0.3.
Runs on	Windows (stand-alone program) or a Linux server with nginx.
Security	Password on the panel, temporary lock-out after repeated wrong attempts, https on a server.

WHO IT IS FOR

Concerts and festivals · Corporate events and anniversaries · Conferences and galas · Theatre and musicals · Church services and choirs · Sports events · Weddings

Want to see it work?

Open the demo on your phone (up to 10 at a time). It plays a tour by itself and a speech balloon explains what you see. You can control it at phoneshow-demo.lumaestro.com/control, password demo.

`phoneshow-demo.lumaestro.com`