



Introducing LiveSpace

What does LiveSpace digital signage do?

LiveSpace is a digital signage system based on a centralised server providing content to client screens in many locations over the internet. The LiveSpace user interface is accessed via a web browser and uses the latest web technologies and can be used on a PC, tablet or mobile phone.

Our systems manage over 56,000 screens every day. They deliver live data and information to screens in real-time for many organisations around the world, some of which are household names. LiveSpace allows you to create playlists of images, videos and web pages to be displayed immediately or using the built in scheduler. It can also take data feeds from multiple sources and update screens in real time using a sophisticated algorithm that ensures a rapid update with minimum bandwidth requirements.

LiveSpace is designed for many types of business. These include retail, food and beverage, transport information systems, the travel sector, education, health and the banking and insurance industries.

How does it work?

Most client's systems are managed centrally via a cloud server. Users are required to sign in with their credentials in order to access the system. Depending on their access rights provided by their login, users can;

- Create and maintain groups of displays
- Add or remove users and change their access rights
- View a preview of the contents displayed on screens
- Add and remove pages
- Create and edit carousels of pages
- Schedule pages or carousels for display
- Select a page or carousel to be displayed immediately
- Monitor the status of connected clients
- Add and remove client screens

At the screen end is a mini PC with either dual output for HD screens or single output for 4K screens. The mini PC connects to the central server via the internet. Content is cached locally so that the displays continue to work even during network interruptions.

Screens and other display options

LiveSpace will work at any resolution. HD (1080p) and UHD (4K) are the most commonly used resolutions in digital signage projects. Higher resolution screens provide better sharpness, higher brightness and contrast with better saturated colours. This also applies to tablets and other touchscreen technologies we employ in our various solutions.

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Transport
LiveSpace digital signage



Displaying up-to-date information in real-time can be complex and frequently requires modern systems to handle various multiple data feeds simultaneously with minimal latency. MRG’s software currently manages over 56,000 screens for bookmaker clients. Bookmakers are voracious users of live data of all sorts and rely on rapid data delivery. Our systems are designed with the latest technologies and have been refined over the years to maximise the speed of updates to the screens. Bandwidth requirements and latency are minimised because LiveSpace only transmits changes as and when they occur.

Every shop receives large amounts of data and updates throughout the day. The accuracy and speed with which our systems handle these processes is ideally suited to the exacting standards required by the transport industry.

Arrival and departure boards, real-time updates to information boards at bus stops, metro or other transport operating in dynamic, kinetically changing situations are handled efficiently with LiveSpace.

Touchscreens and tablets can be added to provide additional information. Timetables, a quick reference page for all delayed services or details of future planned maintenance affecting a services are great ways to keep the public informed and up-to-date.

Transport hub screens	Typically showing departure and arrival information
Street side bus stops screens	Typically showing arrival interval times, delays and other information. Capable of broadcasting other centrally managed content if required e.g. bank holiday information or security reminders etc.
Interactive touchscreen devices	Situated at information points these form part of the response to passengers seeking information for themselves. Capable of showing the current status of multiple transport systems. Particularly useful when one of the systems suffers delays or closure or there are security concerns and travellers need to devise a different route home.
A summary screen displaying all local transport options	Display information from multiple feeds for all relevant local transport options e.g. road, rail, underground and bus information. In high commuter and tourist areas these additional screens are installed to display a summary of live travel information for multiple transport types to help commuters, tourists and visitors plan their journeys. Where a transport system becomes unavailable, then the display of alternatives and the anticipated delays can be invaluable to travellers.

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