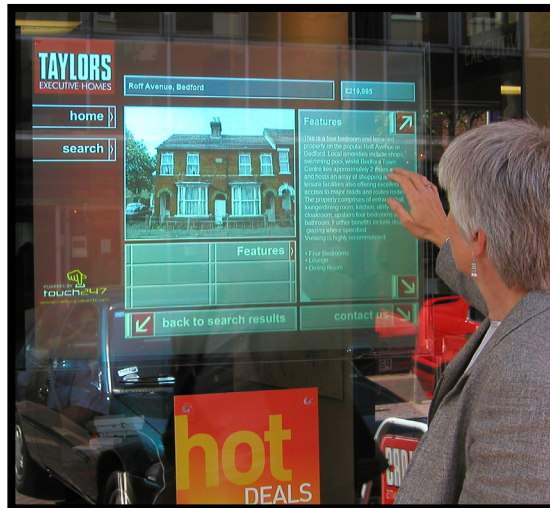


Paradigm TouchGlass

Makes windows & panels interactive
Easy to install
Available up to 100" image size



Paradigm TouchGlass
- pictured in action, together with dnp Holo Screen™ and using the Touch247 estate agent software package.

Paradigm TouchGlass makes any window or panel into an interactive display. It fits behind the glass – or whatever sheet material you use – without any drilling or other work. Installation is quick and easy, with temporary and permanent options. The product is reliable and is used successfully throughout the world.

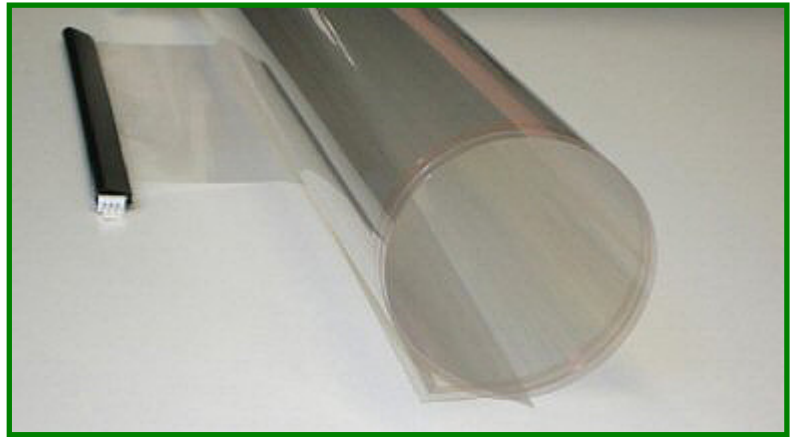
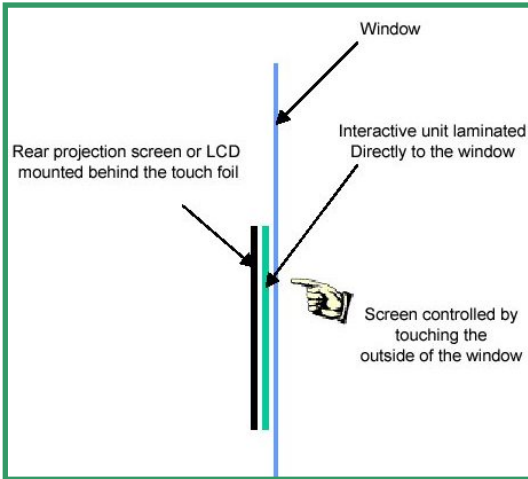
HOW DOES IT WORK?

- TouchGlass is actually a thin, clear, flexible plastic foil, with a matrix of tiny wires inside, almost invisible to the eye.
- TouchGlass is combined with rear projection screens, front projection screens, LCD panels, printed panels etc to create your own interactive display
- TouchGlass works by 'projected capacitance' – an invisible field that detects a finger location with great accuracy (even if you have a glove on).
- TouchGlass works through non-metallic sheets (e.g. glass, acrylic, wood etc), transparent (e.g. windows) and opaque (e.g. a printed display board) up to 16mm thick.
 - It can work through double-glazing up to 25mm (special option available).
 - It will work with LCD panels.
 - It will NOT work with plasma panels (they produce too much EM interference).
- There is a tiny bar containing the control board mounted to one side of the main plastic sheet.
 - (This can be on any side, and is usually hidden by a sticker or other panel.)
- There is a cable from the controller which leads to the PC via a standard RS232 serial cable (standard 6m – options to 15m; boosters required over 15m).
 - TouchGlass takes its power from this RS232 connection.
- TouchGlass comes complete with Windows driver software.
 - All normal mouse functions can be generated (click, double click, drag etc).
 - Runs normal software, navigates web sites and specialist applications (e.g. Touch247 or your own).

Paradigm Audio Visual Ltd

Swan Works, Box End Road, Bromham, Beds MK43 8LT UK.
Tel: +44(0)1234 843388 Fax: +44 (0)1234 854477
e-mail: info@rearpro.com website: www.rearpro.com

Paradigm TouchGlass Specifications



Detection Method:	Projected Capacitance technology using horizontal & vertical wires.
Screen Sizes:	30"- 80" in 4:3 aspect ratio. 30"- 100" in 16:9 aspect ratio. Other sizes available on request.
Fixing options	Removable and permanent options available.
Position accuracy:	Approximately 3 mm absolute, 1 mm relative. No drift.
Alignment:	Software driver provided has full calibration functions.
Sensitivity:	Can be programmed for different thicknesses of glass and for use with gloved hands. The standard product is configured for use with non-metallised single construction glass up to 16mm thick. Double glazing option up to 25mm available (see notes below).
Speed of response:	Typically 50 to 100ms - depending on material thickness.
Connection:	RS232C communications via standard 9 pin serial connector. USB option available.
Software Compatibility:	All units supplied with Windows driver software (compatible with all Windows versions, including Vista). Linux driver also available.
Temperature range:	Better than -10 to +70°C
Humidity Controller:	0% to 95%. Unaffected by condensation.
Light Transmission:	Typically better than 85%.
EMC	EN55022:1998 + A1 + A2 EN55024:1998 + A1 + A2
	This device complies with Part 15 of the FCC Rules Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Double glazing notes.	<i>With double glazing we recommend using only the touch (i.e. not the touch and drag) function in the software driver. The drag function becomes limited because we have to reduce the system scan rate when working through thicker materials. Double glazing can vary greatly in construction - so we always recommend doing tests before you place an order.</i>

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