

X2 Round Wall Screen

4-inch round touch control for lighting scenes, colour and air quality — FRANKCAS X2

Part No.: FC-X2-WS4R-01

Platform: FRANKCAS X2

Display: 4" round IPS, 720 × 720



FRANKCAS X2 Round Wall Screen — one elegant touch screen per room for scenes, colour lighting and live air quality.

The **FC-X2-WS4R-01** is a 4-inch round capacitive touch screen that mounts on the wall with a standard **VESA 100 × 100 mm** bracket. Each room gets its own page: swipe between rooms, tap up to **four lighting scenes** or **Off**, pick any colour on the **RGB colour wheel**, and check **CO₂**, **temperature**, **humidity** and **AQI** at a glance.

Every screen is set up from the **FRANKCAS X2** platform — rooms, scenes, colour lights and air sensors are chosen in **Commissioning > Wall Screens** and sent to the screen instantly. Firmware updates are delivered over Wi-Fi from X2, so no screen ever needs to come off the wall.

X2 READY

CASAMBI SCENES

RGB COLOUR WHEEL

AIR QUALITY

WI-FI 6

OTA UPDATES

CONFIGURED IN X2 — NO APP, NO CODING: Rooms, scenes, colour lights and air quality sensors are assigned per screen in X2 and pushed to the screen over the site network. The screen shows live state from X2: the active scene, light on/off and the latest sensor readings.

► KEY FEATURES & BENEFITS

- 4" round IPS display, 720 × 720, 10-point capacitive touch
- Up to 4 scenes plus Off per room, with active-scene feedback
- Air page: CO₂, temperature, humidity and AQI gauges
- Clock screen saver with warm, dimmed night mode
- ● Identify — find any screen on site from X2
- Up to 8 rooms per screen — swipe left / right between rooms
- RGB colour wheel with brightness ring for colour (RGB) lights
- Works with Casambi and Tridonic sceneCOM (DALI-2 Part 306) air sensors
- Firmware updates over Wi-Fi from X2, with automatic rollback
- Password-protected connection to X2 — no cloud required

► TECHNICAL SPECIFICATIONS

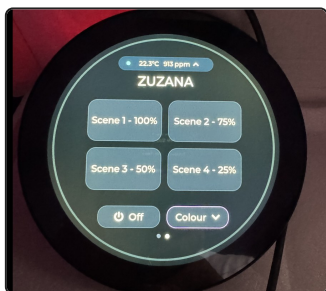
Display & Touch

Display	4" round IPS LCD
Resolution	720 × 720 pixels
Display Area	101.5 × 101.5 mm
Brightness	350 cd/m ²
Viewing Angle	170°
Touch	Capacitive, 10-point
Backlight	PWM dimmed — day / night levels set automatically

Processor & Connectivity

Processor	Espressif ESP32-P4, dual-core RISC-V
Memory	32 MB PSRAM · 32 MB flash
Wireless	Wi-Fi 6 (802.11ax), 2.4 GHz
Protocol to X2	MQTT with user name & password
Firmware Update	Over Wi-Fi from X2, SHA-256 checked
Time	Network time (SNTP), UK summer / winter time
Supply Voltage	220 – 240 V AC, 50/60 Hz (integrated 5 V PSU)

► SCREEN PAGES



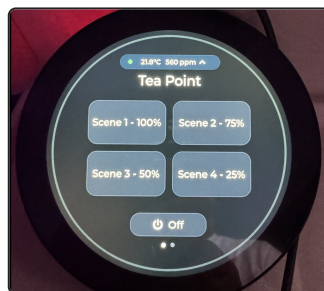
Scenes

Four scenes, Off and Colour. Room name and live air reading on top.



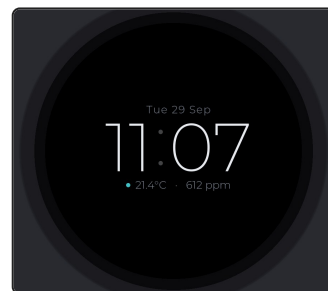
Air Quality

CO₂ gauge with status, plus temperature, humidity and AQI.



Swipe between rooms

One page per room, up to 8 rooms on one screen.



Clock screen saver

After 2 min without a touch. Amber and dimmed at night.

► X2 INTEGRATION

Set up in X2 › Commissioning › Wall Screens

Rooms per Screen	Up to 8 (one X2 zone each)
Scenes per Room	Up to 4, plus optional Off button
Colour Control	RGB colour wheel + brightness for one colour light per room
Air Quality Page	One air sensor per room — Casambi or Tridonic sceneCOM
Screen Identity	Name and unique ID shown in X2 · Identify
Firmware	↑ Update one or all screens from X2, with progress
Security	Per-site password; screens only see wall-screen data
Requires	X2 2.2.11 or later · 2.4 GHz Wi-Fi

► AIR PAGE — CO₂ SCALE

CO ₂ (ppm)	Screen shows	Status
below 600	Excellent	Green
600 – 999	Good	Blue
1,000 – 1,499	Fair	Yellow
1,500 – 2,499	Poor — open a window	Orange
2,500 and above	Bad — ventilate now	Red

SCREEN SAVER: after 2 minutes the screen shows a large clock with the date, room temperature and CO₂. 07:00 – 20:00 soft white; at night warm amber and dimmed for dark rooms. The clock moves slightly every minute to protect the display. The first touch only wakes the screen.

► INSTALLATION & MECHANICAL

Mounting	Wall bracket, VESA 100 × 100 mm
Front Size	Ø 126 mm round, black
Connection	Mains L / N to integrated 5 V PSU
Network Set-up	Wi-Fi and X2 address set by FRANKCAS tool over USB-C
Operating Temp.	0 ... +40 °C, indoor
Protection	IP20 — indoor dry locations

► COMPLIANCE & WARRANTY

Electronics Module	CE, FCC, RoHS (module maker)
UKCA	FRANKCAS declaration on request
Disposal	WEEE — do not dispose of as household waste
Warranty	2 years (FRANKCAS)

MAINS CONNECTION: installation must be carried out by a qualified electrician in accordance with BS 7671.

► ORDERING INFORMATION

Part Number	Description	Notes
FC-X2-WS4R-01	X2 Round Wall Screen — 4" round touch, Wi-Fi, VESA 100 mount	Pre-loaded with FRANKCAS firmware
FC-X2-SRV-1U	FRANKCAS X2 Server Appliance	Runs X2 on site — required
FC-AQ26-01	Air Quality Casambi Sensor	Optional — feeds the Air page

FRANKCAS Lighting Control Systems

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