

Product Guide

A 6500 Programmable Touchscreen Wallplate



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Overview

Representing hundreds of hours of research and development by Redback, this universal touchscreen wallplate is the perfect control system for commercial and domestic automation. Its stylish low profile design lends itself to installation in new modern homes, classrooms, lecture theatres or corporate boardrooms. The LCD panel can be configured from 1 to 12 buttons, which can be individually labelled. Configuration is performed using the supplied software, which is then transferred to the plate via SD card. A library of button icons is included. Icons can be customised by the user if required. Each button can be programmed for either serial with hex code commands, IR, or relay control. For IR applications the plate can learn and capture IR strings from any remote control.

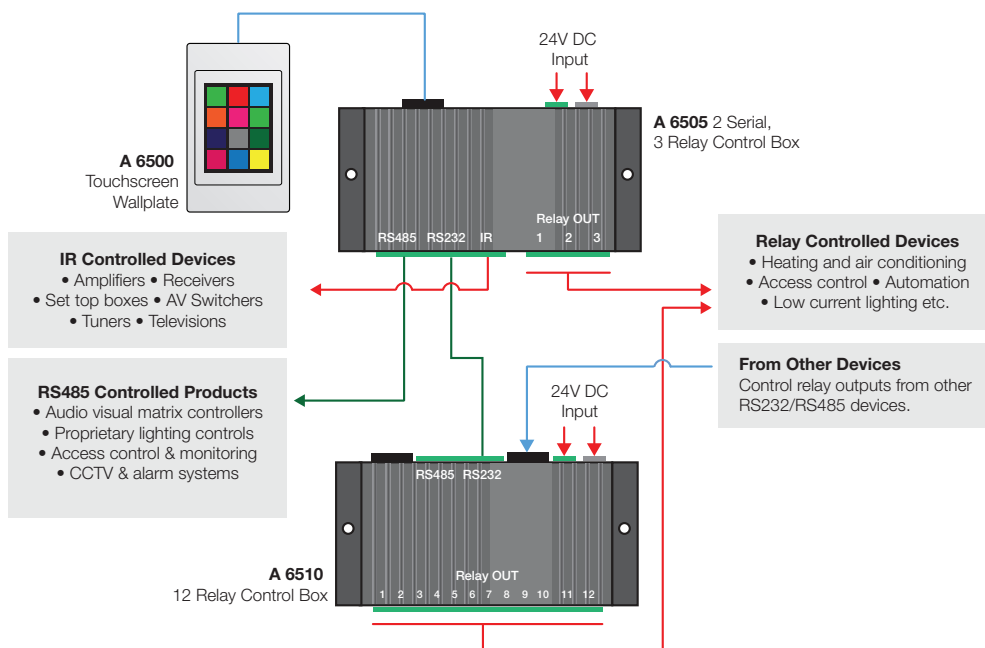
User generated macros can be created consisting of multiple commands in a single button press. This is ideal for performing multiple tasks at once ie: turn on projector, turn on amplifier, turn off lights, drop down projector screen etc. Wallplate fits into a standard electrical wallbox for ease of installation.



Key Features

- ✓ 10 year warranty
- ✓ User programmable buttons with customisable icons
- ✓ Inbuilt icon library for commonly used buttons
- ✓ Infra-red control output
- ✓ RS-232 or RS-485 serial outputs
- ✓ U/UTP Cat5 cable connection
- ✓ Multi-command macros
- ✓ IR learning facility
- ✓ SD card configuration upload
- ✓ Dual cover wallplate to suit existing decor
- ✓ Easy to program

System Diagram

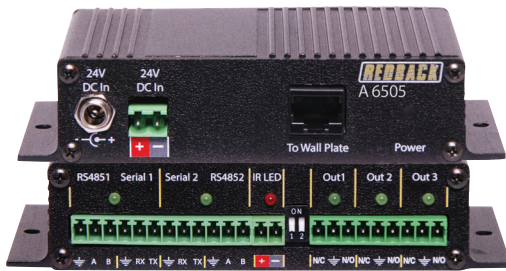


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System Hubs



A 6505 3 Relay, 2 Serial Control Hub

Designed to be used in conjunction with the A 6500 programmable touchscreen wallplate, this control hub enables the control of a variety of devices. Connection to the A 6500 wallplate is via Cat5/6 cable up to 50m away. All commands from the programmed plate are then transported to this hub and the appropriate command signal being either serial (RS232/485 or both), IR or relay is then output to the corresponding pluggable terminals. Combined with the A 6500 this could be used for controlling an AV system in a classroom, lecture theatre, board room etc. The serial outputs could be used to control a projector and amplifier, the IR for controlling a set top box and relays for motorised projector screen, lighting etc. Requires 24V DC power which in turn powers the A 6500 wallplate. Size: 66W x 131W x 29H inc flanges.



A 6515 2 Relay (High Current) Control Hub

This relay hub consists of 2 high current (16A) relays with isolated sets of voltage free contacts that close on operation. The relay hub can be used in three ways:

1. Direct connection via Cat5/6 UTP cable to the A 6500 wallplate, which is programmed to control relay activation.
2. As an expansion to the A 6505 hub, increasing the total number of relay contacts from 3 to 5. In this configuration, one of the serial outputs of the A 6505 would be used to control the A 6515. These hubs should be located as close together as possible.
3. As a standalone serial controlled relay hub for use with any third party system utilising RS232/485.

Requires 24V DC input. Will provide power to A 6500 wallplate if connected. Size: 50W x 131W x 46H inc flanges.



A 6510 12 Relay Control Hub

This relay hub consists of 12 relays with isolated sets of voltage free contacts that close on operation. The relay hub can be used in three ways:

1. Direct connection via Cat5/6 UTP cable to the A 6500 wallplate, which is programmed to control relay activation.
2. As an expansion to the A 6505 hub, increasing the total number of relay contacts from 3 to 15 (as shown in the diagram above). In this configuration, one of the serial outputs of the A 6505 would be used to control the A 6510. These hubs should be located as close together as possible.
3. As a standalone serial controlled relay hub for use with any third party system utilising RS232/485.

Requires 24V DC input. Will provide power to A 6500 wallplate if connected. Size: 66W x 131W x 29H inc flanges.

Specifications

Input connection:	Micro USB (USB Keyboard)
Output connection:	RJ45 8P8C
Data transmission:	Cat5e cabling max 50m
Wallplate:	Dual Cover
Dimensions:	72W x 116D x 13H
Power:	Powered by A 6505/10/15 over Cat5e cable
Current Draw:	50mA

System Accessories

- A 6505 3 Relay, 2 Serial Control Hub
- A 6510 12 Relay Control Box
- A 6515 2 Relay (High Current) Control Box