

IUM Module Installation Sheet

Description

The Intelligent User Memory (IUM) Module is an optional memory expansion module for the Challenger V8 system. Two models are available: TS0883 (4 MB) and TS0884 (8 MB).

This installation sheet only applies to blue IUM modules with PCB number *PCB2081A Rev.2*. The IUM module comes with an adapter for installation in some PCBs. The adapter's PCB number is *PCB1081-A0*.

Note: If you have a green IUM module then this installation sheet does not apply. Please refer to the installation sheet enclosed with the IUM module purchased.

The adapter must be used with models of the TS0867 Four-Door and TS0869 Four-Lift Controllers with PCB number *PCB3118* or greater.

The adapter is not compatible with models of the TS0867 Four-Door and TS0869 Four-Lift Controllers with PCB number less than *PCB3118*. The adapter is also not compatible with the TS0816 Challenger V8 and the TS0866 Four-Door Controller.

The installation instructions below are different depending on whether the adapter is required or not.

Figure 1: TS0884 8 MB IUM module with adapter attached

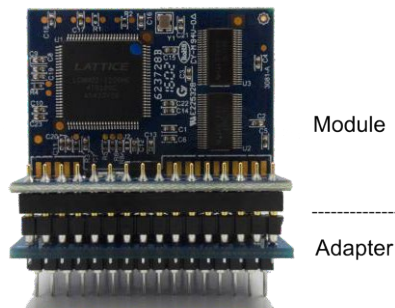


Table 1: Challenger system capacities with IUM modules

User records (cards)	
TS0883	17,873
TS0884	65,535
Users with PIN code (4 to 10 digits)	all users
Users names (max. 16 characters)	Users 1 to 200
Card data formats	Up to 48-bit
Programmable alarm groups	128 (245*)
Door groups	128 (255*)
Floor groups	64 (128*)
Hard time zones	24 (46*)
Alarm events buffer	1,000
Access events buffer	1,000

* Applies to Challenger V8 panel firmware version 8.128 or later

Note: The Challenger panel must have firmware version 8.71 or later to use IUM modules.

Installation

IUM modules are plugged into a control panel PCB and any of the panel's Intelligent Access Controller PCBs to increase system capacity. The control panel and any Intelligent Access Controllers must use memory expansion modules of the same capacity.

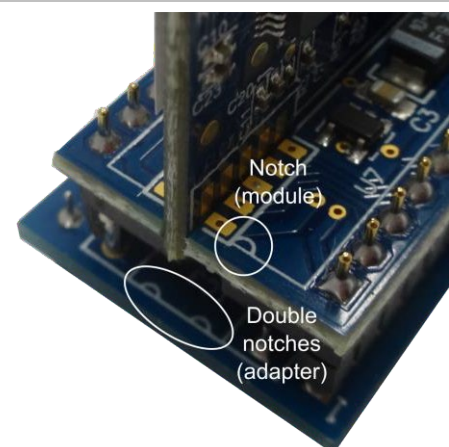
Note: A qualified service person, complying with all applicable codes, should perform all required hardware installation.

Cautions

- When installing an IUM module onto a control panel, the existing records for users, door groups, and floor groups are erased from the control panel's memory. You must back up existing records and reprogram them into the control panel after installing the module.
- Take static preventative measures during installation. A conductive wrist strap should be worn and connected to a 0 V terminal (e.g. "Batt -" or "Aux Pwr -"). If a wrist strap is unavailable, touch the 0V terminal before installing, and then avoid touching the pins of the module and adapter.

Note the alignment notch on one end of the module and the double alignment notches on one end of the adapter.

Figure 2: TS0884 IUM module and adapter, showing alignment notches



To install the IUM module on boards which do not require the adapter (TS0867 and TS0869 with PCB number less than PCB3118, TS0816 and TS0866):

1. Disconnect the plug pack and battery from the control panel or Intelligent Access Controller.
2. Carefully remove the module and adapter from their packaging, taking extreme care that none of the pins are bent.
3. Carefully remove the adapter from the module, once again taking extreme care that none of the pins are bent.
4. Note the orientation of the module. The module has a notch, which corresponds with a notch on the IC socket.

If the IC socket is already fitted with a memory expansion module, you must remove the module so that you can insert the IUM module in its place.
5. With the notch on the module aligned with the notch on the IC socket, carefully insert the module into the socket marked "RAM" (Challenger) making sure that no pins are bent under.
6. Gently press the module into the socket until all of the pins sit firmly in the socket.
7. Clear the panel's memory by shorting the C4 capacitor for about 30 seconds (refer to *Challenger V8 & V9 Programming Manual* for details).
8. Reapply power to the control panel or Intelligent Access Controller.

To install the IUM module on boards which require the adapter (TS0867 and TS0869 with PCB number PCB3118 or greater):

1. Disconnect the plug pack and battery from the control panel or Intelligent Access Controller.
2. Carefully remove the module and adapter from their packaging, taking extreme care that none of the pins are bent.
3. If the module has become unseated from the adapter during shipping, you must reseat the module in the adapter. Align the notch on the module with the double notches on the adapter and carefully insert the module into the adapter, making sure that no pins are bent under. Gently press the module into the adapter until all of the pins sit firmly in the adapter.
4. Note the orientation of the module and adapter. The module has a notch and the adapter has double notches. These correspond with a notch on the IC socket.

If the IC socket is already fitted with a memory expansion module, you must remove the module so that you can insert the IUM module and adapter in its place.
5. With the notches on the adapter aligned with the notch on the IC socket, carefully insert the adapter and module into the socket marked "RAM" (Challenger) making sure that no pins are bent under.
6. Gently press the adapter and module into the socket until all of the pins sit firmly in the socket.
7. Clear the panel's memory by shorting the C4 capacitor for about 30 seconds (refer to *Challenger V8 & V9 Programming Manual* for details).

8. Reapply power to the control panel or Intelligent Access Controller.

Regulatory information

Manufacturer	KGS Fire & Security Australia Pty Ltd Suite 4.01, 2 Ferntree Place, Notting Hill, VIC, 3168, Australia
Year of manufacture	The first two digits of the product serial number (located on the product identification label) are the year of manufacture.
Compliance	 N4131

NOTICE! This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Disclaimer

The customer is responsible for testing to determine the suitability of this product for specific applications. In no event is KGS Fire & Security Australia Pty Ltd. responsible or liable for any damages incurred by the buyer or any third party arising from its use, or their inability to use the product.

Contact information

For contact information, see www.aritech.com.au.