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Please read this manual thoroughly and follow the **Installation** procedures to prevent any damage to the Integra or any connecting device.

FC CE

Introduction

The **Claxan Switch Console** offers the ultimate in styling and computer management. With a keyboard, mouse, TFT LCD panel and a **Claxan Switch KVM switch module** housed in an industry standard 19" 1U-height rack drawer, it saves you up to 1/3 of valuable real estate from a rack cabinet.   Better yet, when the **Claxan Switch Console** is cascaded with other **Claxan Switch KVM switch modules** to increase server management capacity, you save even more!

All KVM switch modules come with a universal C-36 connector for connection between the **Claxan Switch console drawer** and a **Claxan Switch KVM switch module**.   This modularized design offers the maximum flexibility, as you can choose and swap the modules to fit your needs. A **Claxan Switch KVM switch module** can also be used as an independent KVM switch.

Claxan Switch Console comes in four parts

A 1U slide drawer with keyboard, touchpad, And LCD monitor.

B Claxan Switch KVM Switch Module. (different modules available, as shown on module list)

C Extension

D Rear bracket
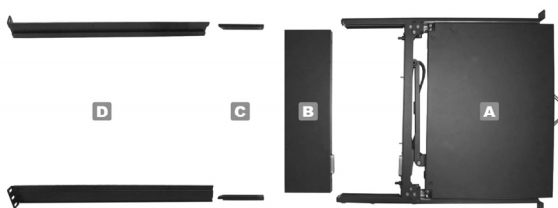
Claxan Switch Console with One-port PS/2 Claxan Switch KVM switch module

It saves you up to 1/3 of valuable rack cabinet spaces and acts as a space-saving console with keyboard, mouse, and monitor. With a 1-to-1 Claxan Switch KVM Switch Module, it can be connected to a PS/2 computer directly or to the console ports of a PS/2 KVM switch.

This setup can be considered as a combination of a PS/2 keyboard, a PS/2 mouse, and an LCD monitor.

Claxan Switch Console with 1U-height Claxan Switch KVM Switch Module

When a 1U-height **Claxan Switch KVM switch** module is slid into the rear side of the console drawer, the entire setup takes 1U space of a rack-cabinet.

Claxan Switch Console with 2U-height
Claxan Switch KVM Switch Module

Attached with a 2U-height **Claxan Switch KVM switch module**, the setup takes 1U-height for the **console drawer** and 2U-height for **Claxan Switch KVM switch module** behind it.

(2U-height)

Claxan Switch Console

● Overview

Three major models of Claxan Switch Consoles, CL-KVM-HK19Y-US, CL-KVM-HK17Y-US, and CL-KVM-HK15Y-US are available with 19", 17", 15", and 15" LCD panel respectively. These three models share the same accessories (**Claxan Switch KVM switch modules** and **Rear Bracket Kits**). The **Claxan Switch Console** is a 19" 1U drawer designed for applications where space is at a premium, or CRT displays are undesirable. The CL-KVM-HK19Y-US, CL-KVM-HK17Y-US, and CL-KVM-HK15Y-US models support replaceable keyboard and replaceable touch pad.

The drawer can be pulled out for operation from the rack and latched in the extended position. When not in use, the display can be folded down, locked and secured while pushed in.

With different Rear bracket & extension kit, the Claxan Switch Console can be mounted on rack cabinet of various depths.

The console comes with standard PS/2 keyboard connector, PS/2 mouse connector and HDB15 VGA connector for computer or KVM switch connection.

◆ **Optional** : The newly launched "High strengthened Glass" is available for certain models. It offers the perfect protection of your LCD panel, avoiding any accidental damage away from the LCD panel.

	Claxan Switch Consoles		
Model	**CL-KVM-HK19Y-US**	**CL-KVM-HK17Y-US**	**CL-KVM-HK15Y-US**
Keyboard Replaceable	Yes	Yes	Yes
Touch Pad Replaceable	Yes	Yes	Yes
Module Selection	Yes	Yes	Yes
***A**: H x W x D (mm)	43.5 x 450 x 440	43.5 x 450 x 398	43.5 x 450 x 398
***B**: H x W x D (mm)	43.5 x 450 x 550	43.5 x 450 x 508	43.5 x 450 x 508
***C**: H x W x D (mm)	43.5 x 450 x 655	43.5 x 450 x 613	43.5 x 450 x 613
***D**: H x W x D (mm)-extended	43.5 x 485 x 655	43.5 x 485 x 565	43.5 x 485 x 565

*C   *B   *A   *D
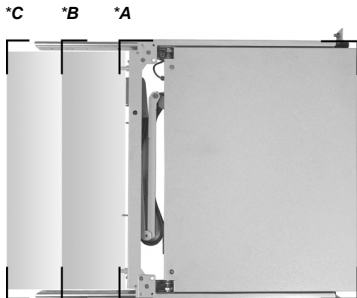
*B: Equipped with standard KVM module
*C: Equipped with module via IP
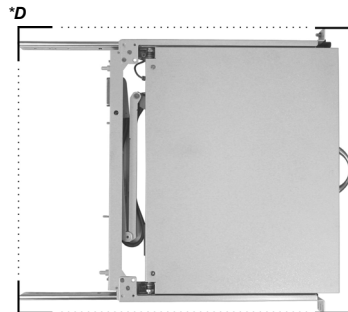
● Features

- Modularized KVM switch design.
- **Claxan Switch KVM switch modules** are available for PS/2, USB, or Sun interface with 8-or 16-port.
- Flip-open LCD panel supports resolution 1024x768 (15") and 1280x1024 (17" & 19").
- For managing computers with PS/2, USB, or Sun interface.
- For rack cabinet with depth from 20"(50cm) and up (with appropriate *Rear bracket & extension kit*).
- Standard 19" 1U rack drawer.
- Ergonomic hand rest design.
- Locking mechanism locks the drawer when pulled out, pushed in, or folded down.
- Full 105 key, low-profile, sturdy keyboard included.
- Ultra sturdy, tilt-free, two-piece Rear Bracket and Extension design.
- Quick and easy installation.
- A universal C-36 connector for connection between console drawer and KVM switch module.
- Supports Sun keyboard mapping and Mac keyboard mapping.
- Optional Built-in -48V/-24V Power Modules.
- KVM Switches with built-in via IP modules are available.
- Power redundant modules are available.
- Optional High Strengthened Glass is available.

Extra Features for CL-KVM-HK19Y-US, CL-KVM-HK17Y-US and CL-KVM-HK15Y-US

- ◆ User-replaceable keyboard with various languages support.
- ◆ User-replaceable touch pad for easy replacement.
- ◆ Touch pad with simulated wheel control.

● **Packing List**

■ *Claxan Switch Console:* "LCD panel + keyboard + mouse pad" console drawer
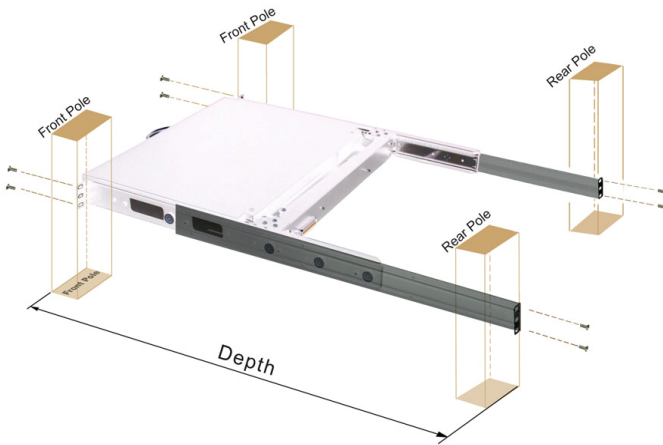

■ *Rear Bracket & Extension Kit*

■ *Bolt-and-nut set*

	Cabinet Screw	**X 8**
	Counter-Sunk Screw	**X 8**

■ *User's manual*

● Assembly

Information about brackets and installation depth

■ *Note: the following length is measured between "front pole and rear pole inside a rack cabinet" not the outside depth of a rack cabinet enclosure.*

Bracket type	Length (mm)	Installation Depth of 19" TFT (Front Pole to Rear Pole Distance)	Installation Depth of 17" & 15" TFT (Front Pole to Rear Pole Distance)
RW1	385 mm	40 ~ 90.5 cm	40 ~ 77cm
RW2	575 mm	59 ~ 123 cm	59 ~ 96 cm

* RW-1 (385 mm long) is an optional order.
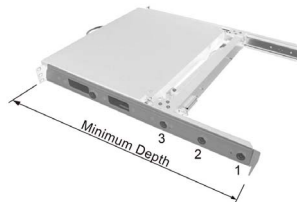**RW-2 (575 mm long) is included with the standard packaging.

The recommended depth of the cabinet (Front Pole to Rear Pole) is around 48~93 cm for 15"/ 17" and 48~120 cm for 19" LCD Console Drawer.

*The Depth of the unit (the depth depends on the **rear brackets** we use):*
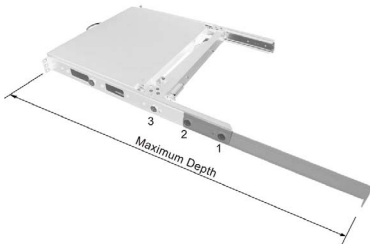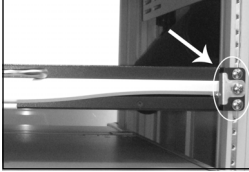

The Maximum Depth of the unit   *The Minimum Depth of the unit*

Assembly of the unit

Step 1. Remove the *safety stopper* from the **console drawer**.   The *safety stopper* is designed to prevent the drawer from sliding out during transportation.

✦ **WARNING** ✦

After the *safety stopper* is removed, the drawer may slide out when tilted and cause serious injury.

NOTE: In case of the drawer may slide out when you install it on the rack, you may keep the **Safety Stopper** on the unit.

Step 2. Use 4 **Counter-Sunk Screws** to attach the extensions (from the *Rear bracket & extension kit*) to both sides of the **Integra KVM switch module**. Please note the length of the extensions and mount them in the following way.   For a 2U module, the extensions are mounted to the lower half of the module.

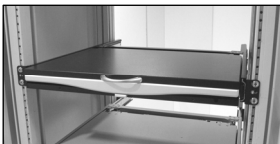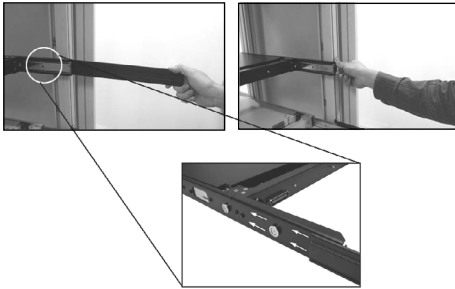|		
	Cabinet Screw	**X 8**
	Counter-Sunk Screw	**X 8**

Extensions attachment
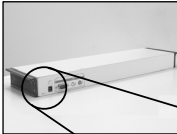
The wider side of plastic extension is on the upper.

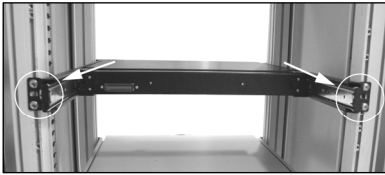Use 4 **Cabinet Screws** to screw up the unit on the rack

Step 3. Slide the **rear bracket** into both sides of the unit. And, please make sure those three wheels with screws are **INSIDE** the track of bracket while sliding in.

(Please follow the direction as the white arrows shown)

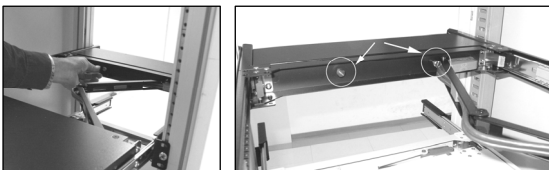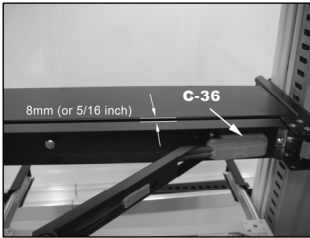**Step 4.** Use 4 **Cabinet screws** to screw up both of two brackets on the rack

Step 5. Push the **Integra KVM switch module** *evenly* toward the drawer

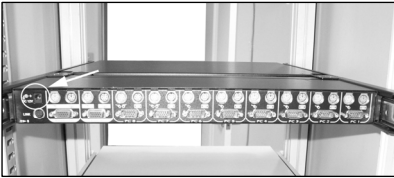**Step 6.** Slide the **console drawer** out and fasten both units by the screws.

Step 7. Make sure the **C-36 connectors** are firmly mated on **Step 7**.

Step 8. Connect the power supply to the power jack on the **Integra KVM switch module** to complete the installation.
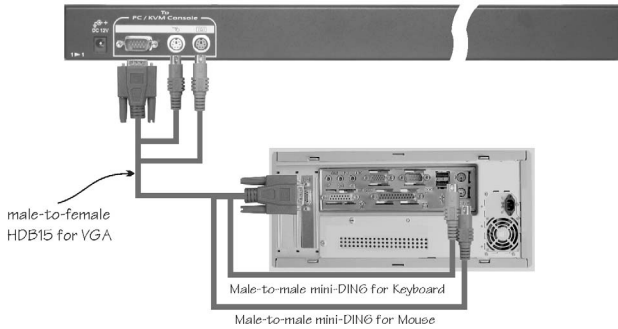

Based on this unique and flexible modularized design, it offers very easy way to replace the module simply follow **Step 5** through **Step 7**.
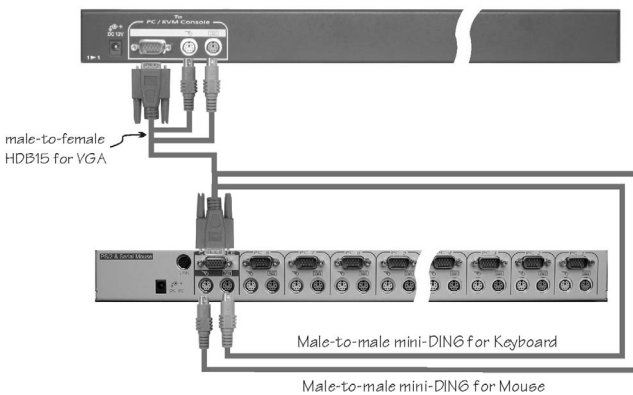
● Installation

The installations for **Claxan Switch KVM switch module** with computers can be found in the other user's manual.

The combination of a **Claxan Switch console** and a **1 ▶ 1 Claxan Switch KVM module** can be considered as a set of PS/2 keyboard, mouse and monitor as shown below.

male-to-female
HDB15 for VGA

Male-to-male mini-DING for Keyboard
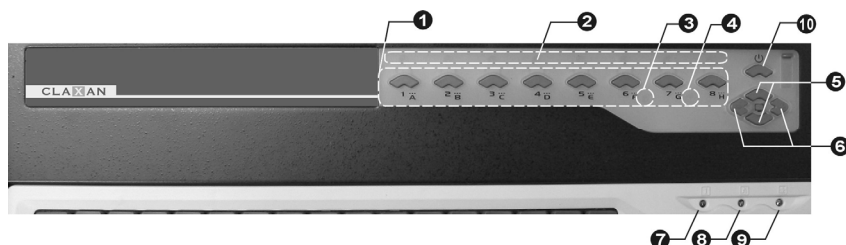
Male-to-male mini-DING for Mouse

Claxan Switch Console connects to a computer

Or, the **Claxan Switch Console** with the **1 ▶ 1 Claxan Switch KVM module** can be connected to a KVM switch as shown below.

male-to-female
HDB15 for VGA

Male-to-male mini-DING for Keyboard

Male-to-male mini-DING for Mouse

Claxan Switch connects to a KVM switch

● **Front Panel**

Front panel of CL-KVM-HK19-US/CL-KVM-HK17-US/CL-KVM-HK15-US model

■ KVM Control and Status: (*This section is effective only when a Claxan Switch KVM switch module is connected, not applicable for* 1-console-to-1-port *module.*)

    1. *Computer Selection Pad*
    Press one of these pushbuttons to select a computer. There are eight pushbuttons for selecting the ports of 1-8 which are linked to the computers respectively.
    To select the ports 9 to16, you can press the button once again in contrast to the port 1-8 respectively. For instance, in the mode of port 1, the mode will be switched to port 9 when you press the button once. In this case, press button once more when the status is in the mode of port 9, the selection will return to port 1.

    2. *Selected Computer Indicator*
    One of the indicators turns red when it's corresponding computer is selected.

    3. *Local Console in operation*
    It turns green when a computer is accessed through the Claxan Switch Console.

    4. *Remote Console in operation*
    It turns green when a computer is accessed by another set of keyboard/mouse/monitor connected to the **"Remote"** console when the Claxan Switch KVM switch is either 2-console-to-8-port or 2-console-to-16-port.

■ LCD Panel Control

    5. *LCD Panel Menu*
    These buttons invoke the OSD menu for settings of the LCD panel as an ordinary LCD monitor.

    6. *LCD Panel Adjustment*
    Letting you adjust settings for the LCD panel.

■ Keyboard Status & LCD Panel Power Switch

    7. *Num Lock*
    Keyboard Num Lock status.

    8. *Caps Lock*
    Keyboard Caps Lock status.

    9. *Scroll Lock*
    Keyboard Scroll Lock status.

    10. *LCD Panel Power Switch*

● Replaceable Keyboard and Touch Pad

■ Replaceable Keyboard

The keyboard is replaceable for language change or maintenance.   In the bottom of the tray, there is a small hole to help you pushing up the keyboard by inserting your one finger.   After the keyboard rising, look at the bottom of it, locate the mini-USB cable underneath the keyboard and gently unplug it.   While installing a keyboard, make sure that you extend just enough of the cable to keep the keyboard flat inside the tray.
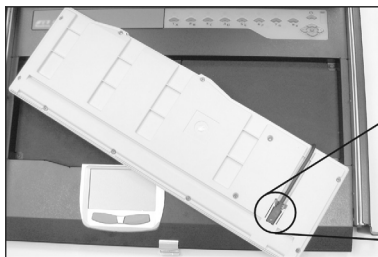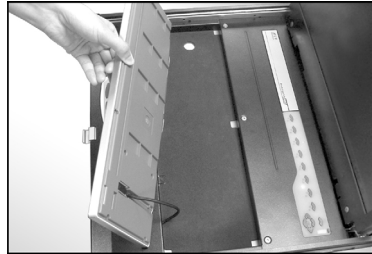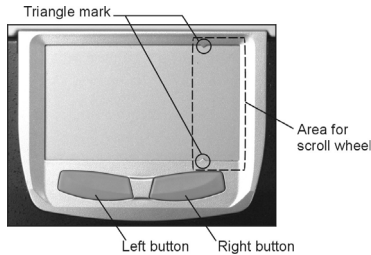

Triangular mark

Note: The triangular mark on the mini-USB connector must face outwards.
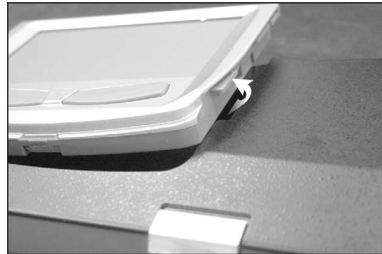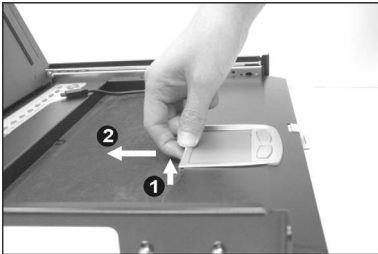
■ Replaceable Touch Pad

1. Touch Pad and Its "Wheel"
   The Touch Pad simulates a "wheel mouse".   The area of the Touch Pad to the right side of the two small *triangular marks* is the simulated "wheel" as shown below.

2. Touch Pad Replacement

To remove the Touch Pad, press the tab underneath it upward to release the latch, and then slide it outwards till the Touch Pad can be lifted up clear from the notches, as shown in the figure on the right.   The Touch Pad is attached by a piece of mini-USB cable.   To install the Touch Pad, extend just enough mini-USB cable and slide the Touch Pad all the way in till you hear a click sound as it is locked in position.
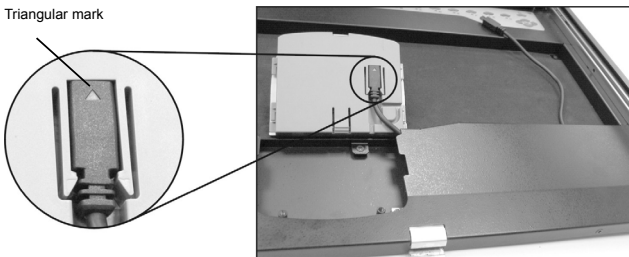
Note: The triangular mark on the mini-USB connector must face outwards.

Optional Power Supply Holder
You may secure the power supply on the holder by tie wraps before installing the complete setup to a rack.

● LCD Panel Specification

Specifications	19" LCD Panel	17" LCD Panel	15" LCD Panel
Active Display Area	376.32 x 301.056 (mm)	337.920 x 270.336 (mm)	304.1 x 228.1 (mm)
Pixel Pitch (mm)	0.294 (H) x 0.294 (V)	0.264 (H) x 0.264 (V)	0.297 (H) x 0.297 (V)
Resolution	1280 x 1024 @60/70/75Hz		1024 x 768 @60/70/75Hz
Color Pixel Arrangement	RGB vertical stripe		
Display Mode	Normally White		
Brightness (cd/m^2)	250 (center)	260 (center)	250 (center)
Contrast Ratio (typical)	500:1	450:1	350:1
Display Color	16.7M colors (RGB 8-bits data)	16.2M colors (RGB 6-bits +FRC data)	
User Control	OSD Control (auto saving)		
Input Signal	RGB analog, H/V separate		
Plug-n-Play VESA	VESA DDC 1/2B		
Power Consumption (Max) (normal operation) (typical)	40W	37W	33W
Viewing Angle (typical)	-85~85(H) -85~85(V)	-80~80(H) -80~80(V)	-70~70(H) -60~60(V)
Backlight Unit	4 CCFLs edge-light(top/bottom)		2 CCFLs edge-light(top/bottom)
Temperature Operating Storage (Shipping)	0 to +50 (˚C) -20 to +60 (˚C)		
Operating Humidity	Relative Humidity ≦95% (Ta ≦40˚C)		
Non-Operating Humidity	Relative Humidity 95%		
Power Supply	12V DC (from external 100~240V AC power adapter)		
Power Supply (Internal)	-24V/-48V DC models are optional		
Approval	CE, FCC for the product. UL, TUV, CE for power supply		

Note:

1) For optimum video performance, VGA resolution should be set to 1024 x 768 @ 60Hz for 15" LCD panel and be set to 1280 x 1024 @ 60Hz for 17" and 19" LCD panel.

2) If part of the display is not clear, please activate "Auto Adjust" for the LCD monitor using the four "LCD Panel Control" buttons.

Limited Warranty

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