For more detailed installation, configuration, file transfer, and operating instructions refer to the *MVP-7500 and MVP-8400 Modero ViewPoint Touch Panels* Instruction Manual, available on-line at **www.amx.com**.

FIG. 1 MVP-TDS Table Top Docking Station (FG5965-10)

ATTENTION!

Verify you are using the latest NetLinx Master Firmware (available from www.amx.com) on your ME260/64 and NI-Series Controllers.

Verify you are using the latest MVP-TDS firmware to accurately communicate with the connected MVP panel.

ATTENTION!

Prior to installing an MVP panel on the MVP-TDS, remove any attached MVP-KS from the rear of the MVP panel.

Overview

The MVP-TDS Table Top Docking Station (**FG5965-10**) extends the functionality of the wireless MVP panel (when resting on a flat surface). The MVP-TDS is compatible with both MVP touch panel models (MVP-7500 and MVP-8400).

- Place the MVP panel onto the MVP-TDS to recharge its batteries and maintain continuous control of your integrated technology.
- The adjustable station creates just the right viewing angle for any situation.
- Attach a keyboard or mouse using the docking station's rear USB ports. This connection facilitates surfing the Web by using the G4 Computer Control application.

The MVP-TDS utilizes an innovative locking mechanism. The electromagnet "holds" the panel to the MVP Support Cradle and allows the mounted MVP to achieve optimum viewing angles via tilting. The Security Release pushbutton turns-off the electromagnet for easy removal of the MVP panel.
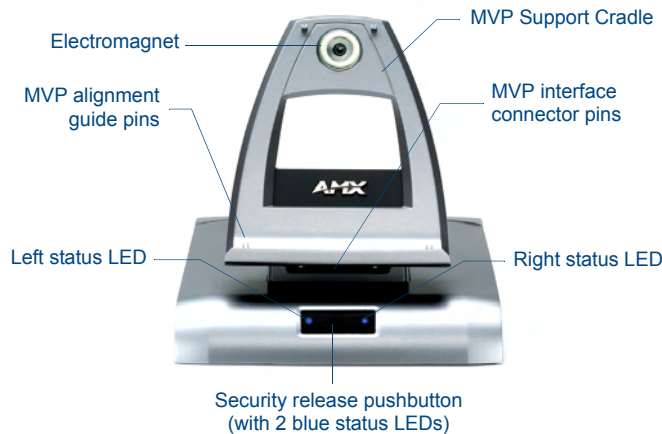

FIG. 2 MVP-TDS front unit components

An optional accessory for the MVP-TDS is an MVP-BP Battery Pack that can be recharged from either of the two rear compartments on the Docking Station or from within the MVP panel.

Specifications

MVP-TDS Specifications	
Dimensions (HWD):	• Fully raised: 7.49" x 7.00" x 9.83" (19.02 cm x 17.78 cm x 25.00 cm) • Fully lowered: 4.27" x 7.00" x 9.83" (10.80 cm x 17.78 cm x 25.00 cm) • Fully raised with panel installed: 9.00" x 7.00" x 9.83" (22.86 cm x 17.78 cm x 25.00 cm)
Power:	• Stand-alone with no batteries: 0.1 A @ 12 VDC • Stand-alone charging two batteries charging: 2.1 A @ 12 VDC • With no batteries and charging a connected MVP panel's two internal batteries: 3.3 A @ 12 VDC • With two batteries and charging a connected MVP panel's two internal batteries: 3.3 A @ 12 VDC
Weight:	• Stand-alone: 3.38 lbs (1.53 kg) • With two batteries: 4.18 lbs (1.90 kg)
Charging Features:	• Two-Bays: Simultaneous Charging • Charge time for two depleted batteries ~ 5 hours

Front Panel Components:	• Electromagnet
	• MVP Interface Connector Pins: This connection provides both communication and power between the MVP and the MVP-TDS.
	• MVP Support Cradle: This cradle supports a resting MVP panel and allows a user to angle the MVP LCD.
	• LEDs: 2 blue LEDs indicate either:
	  - Left LED monitors the battery status within either the TDS or MVP
	  - Right LED monitors the communication between the TDS and MVP
	• Security Release pushbutton: Located on the front of the unit, this pushbutton toggles an on-screen numeric security keypad (if security is enabled on the MVP).
	Entering the correct on-screen numeric code allows the MVP-TDS to release the MVP from the electromagnet.

Rear Connectors:	• Battery Compartment: Houses up to two MVP-BP batteries. • USB Connectors: Two type A USB ports connect an external keyboard or mouse device for use with the G4 Computer Control application. • Power Connector: 2.1 mm barrel-style power jack - connects to a PS4.4 power supply connector.
Operating/Storage Environments:	• Operating Temperature: 0° C (32° F) to 40° C (104° F) • Operating Humidity: 20% - 85% RH • Storage Temperature: -20° C (-4° F) to 60° C (140° F) • Storage Humidity: 5% - 85% RH
Included Accessories	• MVP-TDS MVP Table Top Docking Station Quick Start Guide (93-5965-10)
Other AMX Equipment:	• MVP-7500 7.5" Modero ViewPoint Touch Panel (**FG5965-01**) • MVP-8400 8.4" Modero ViewPoint Touch Panel (**FG5965-02**) • MVP-BP Battery Pack (**FG5965-20**) (spare) • PS4.4 Power Supply (**FG423-44**)

MVP-BP Battery Overview

The MVP-BP (**FG5965-20**) is a rechargeable Lithium-Ion battery used to provide power to the MVP-7500/8400 touch panels and can be charged from within either an: MVP-TDS, MVP-WDS, or MVP panel itself.

MVP-BP Specifications	
Dimensions (HWD):	• 0.48" x 1.52" x 8.65" (1.23 cm x 3.86 cm x 21.97 cm)
Power (Voltage):	• 7.2 Volts (nominal)
Weight:	• Single MVP-BP Battery Pack: 0.40 lbs (0.18 kg)
MVP-BP Features:	• Charge Capacity: 3600mAh
Operating/Storage Environments:	• Operating Temperature: 0° C (32° F) to 40° C (104° F) • Operating Humidity: 20% - 85% RH • Storage Temperature: -20° C (-4° F) to 60° C (140° F) • Storage Humidity: 5% - 85% RH

Connections and Wiring

The **PS4.4** can be used to indirectly supply power to the MVP by routing incoming power through the connector pins and charge any batteries inserted within the MVP-TDS' rear charging compartments (FIG. 3).
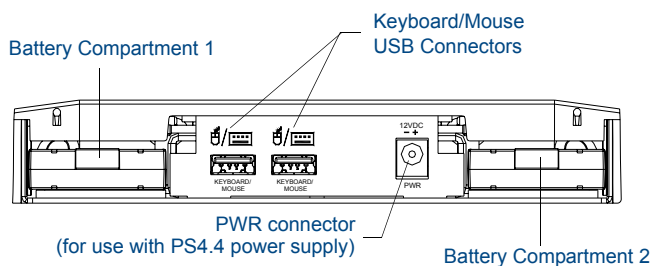

FIG. 3 MVP-TDS rear connectors and battery compartments

- Once the MVP is connected to this MVP Docking Station, charging is first applied to any MVP-BP batteries found within the panels' rear battery compartment and then to any batteries inserted within the MVP-TDS's battery compartments.

Powering the MVP-TDS

The MVP-TDS uses a PS4.4 power supply (not included) to provide direct power for the MVP panel, while charging internal batteries.

Note: Once MVP batteries are fully charged, the MVP-TDS begins charging MVP-BP batteries inserted within its rear battery compartments.

1. Connect the terminal end of the PS4.4 power supply to the rear PWR connector on the TDS.
2. Provide power to the MVP-TDS by connecting the PS4.4 cord to an external power source.

Note: Initially, both blue LEDs (FIG. 4) illuminate and remain dim (indicating that the power is being supplied to the MVP-TDS).

Reading MVP-TDS LED Indicators

FIG. 4 shows the front LED locations on the MVP-TDS Table Top Docking Station.
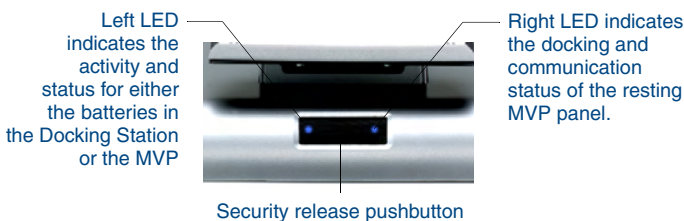

FIG. 4 MVP-TDS front panel LED locations

The two LED indicators (beneath the front security release pushbutton) (FIG. 4) indicate both the battery and communication status as follows:

LED Pattern Indicators			
LED Illumination	**Left LED - Battery Status**		**Right LED - Comm. Status**
	Docking Station only	**MVP in Cradle**	
Solid Bright	TDS batteries are fully charged	MVP batteries are fully charged	MVP panel is docked and communicating
Flashing Bright (Slow)	TDS batteries are charging	MVP batteries are charging	N/A
Flashing Bright (Fast)	N/A	N/A	MVP panel is docked but not communicating
Solid Dim	TDS receiving power but contains no batteries in cradle	No batteries within the MVP	MVP panel is *NOT* docked and *NOT* communicating

Mounting an MVP to the MVP-TDS

1. Place the MVP-TDS Table Top Docking Station on a flat and level surface.
2. Provide power to the MVP-TDS (refer to the previous *Powering the MVP-TDS* section for more details).
3. Carefully grasp both sides of the MVP panel and use the MVP-TDS alignment guide pins to position the MVP panel atop the MVP Support Cradle (with a downward motion) (FIG. 5).
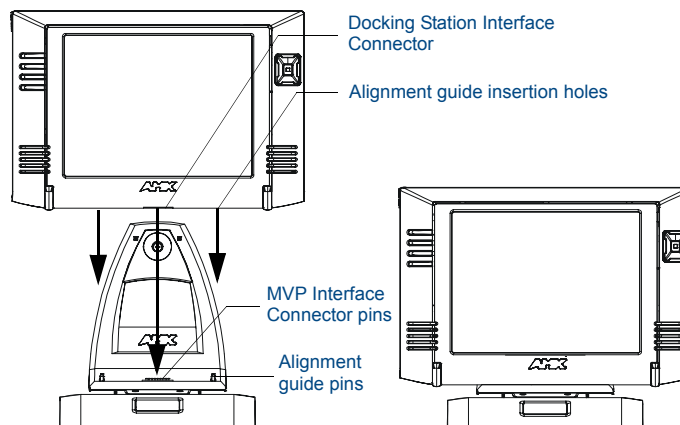

FIG. 5 Installing an MVP onto an MVP-TDS

4. Verify that the alignment guide pins (male) are correctly inserted into the MVP alignment guide insertion holes (located just below the AMX logo and along the lower edge of the MVP). Without proper connection, the MVP will not be able to communicate with or receive power from the MVP-TDS.
5. Once a proper alignment is verified, gently angle back the MVP on the cradle until the rear of the panel makes contact with the electromagnet. Allow one second to activate the electromagnet.

Note: If the MVP is docked properly and communicating, the right LED will remain brightly illuminated on the MVP-TDS. Refer to the LED Pattern Indicator table for more information. If the MVP is not properly docked, the right LED will remain Off or Dim.

CAUTION: *Be very careful when testing the proper connection of the MVP to the MVP-TDS. If the panel is not securely attached, the electromagnet will not be activated, and the panel could fall off and become damaged.*

Removing the MVP panel from an unsecured MVP-TDS

1. Press and hold the front panel security release pushbutton (FIG. 4). Allow one second for the electromagnet to turn-off.
2. Grasp the MVP panel from both sides and gently angle it forward.
3. Carefully lift the panel from the MVP-TDS cradle in an upward direction to remove the guide pins from the insertion holes.

Removing the MVP panel from a secured MVP-TDS

1. Press and hold the front panel security release pushbutton (FIG. 4) until an on-screen security keypad appears within the MVP LCD.
2. Enter the security release password into the on-screen keypad. *This password has been previously entered by the installer or administrator through the Passwords page.*
3. Press **Done** when finished and allow the TDS one second to process the release request.

Note: Once the release command has been processed and accepted, the MVP-TDS turns-off the electromagnet.

4. Grasp the MVP panel from both sides and gently angle it forward.
5. Carefully remove the panel from the MVP-TDS cradle in an upward direction to remove the guide pins from the insertion holes.