



TSB0X-000XX-Kristel-17-Inch-Outdoor-Touch-Screen-Pivot-design[II]

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Kristel 17" Outdoor Touch Screen Pivot Design

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Description: This document shows the install & repair procedure of Kristel 17" Outdoor Touch Screen pivot design.



Kristel 17" Outdoor TouchScreen Improvements

1.Hardware Install

Some Touch Screens are shipped with a pre-applied external gasket.

If not applied already replace Gasket each time Outdoor Touch Screen is replaced.

Note: Make sure to apply gasket to the touch panel around the bezel and not the door. Also, clean area of metal around opening to insure gasket has a clean surface to seal against.

Before Install, Remove Fan.

Disconnect the two power connectors & open the two captive thumb screws on each side of the fan assembly.

Position the screen on the 14 mounting studs on the door.

Note:

Make sure bezel lip is hanging out of the TS opening on the kiosk door by inserting the screens bottom lip first.

While holding the screen with one hand, torque the corners of the touch screen in an X pattern and then the remainder of the nuts clockwise with 11/32 nut driver.

Secure fan with two captive thumb screws & connect the fan connectors.

Connect the power, VGA & USB cables. Route & secure all cables with wire ties, make sure to leave enough slack at the screen to keep loose connections from pulling out & enough clearance for pivot open action.

2. Software Install

Uninstall all Micro Touch drivers and any other touchscreen drivers that are installed.

Delete any Micro Touch driver folder left in the Program Files folder.

Restart the computer.

Start the setup for recommended Micro Touch driver provided by Engineering. Accept the license agreement & install in the default location.

Select a custom install and uncheck all the serial drivers under "Controller Support".

Under "User Interface," make sure to select and install the calibration tool. All other default installed options should be the same.

Under "driver Type," make sure to select – HID
mouse uses Windows' traditional mouse interface.

Finish installation.

3. Touch Screen Calibration

Restart the computer.

This will reset the calibration.

If manual calibration is required than,

Go to

"C:/Program Files/MicroTouch/MT7/TwCalib.exe" Open TwCalib.exe.

Calibrate the Touch Screen by pressing on the bull's eye for 2 seconds each.

4. Cleaning

Open two captive thumb screws on top left & right side of the screen, gradually tilt down the panel & let it rest on the two stands.

Clean the screen & back of touch panel with dry rag.

Lift back screen in closed position, align it with two standoffs & secure the back panel with the two thumb screws.

5 Modular Approach

Kristel 17" outdoor touch screen consists of four main components.

1. Fan
2. Power Supply
3. Touch Panel
4. Back Panel Screen

Note: Kristel 17" pivot style screen components cannot be swapped with Kristel non-pivot style screen.

Swap out Fan unit; disconnect fan cable, unscrew the two captive thumb screws on each side of the fan & remove fan.

Secure new fan with thumbscrews & connect the 2 power connectors.

Swap out Power Supply; disconnect Power connectors, loosen the four captive thumb screws & swap out.

Swap out back Panel;

Disconnect Power supply, power to touch panel & VGA cable, loosen two captive thumb screws on each side of touch panel, slide out the two kick stands from pins while holding panel with one hand, move the kick stands down to clear the screen & lift up to pull out the unit.

Seat the new unit onto the 2 bottom brackets, slide the stands onto the pin, tighten the two captive thumb screws & connect the cables.

Swap out touch Panel;

Disconnect all cables (Power, fan, VGA & USB). Unscrew the two captive thumb screws on each side of the fan & remove fan.

Loosen two captive thumb screws on each side of touch panel, slide out the two stands from pins while holding panel with one hand, move the stands down to clear the screen & lift up to pull out the unit.

Note: Set the back panel on a clean flat surface with screen facing up.

Loosen 14 nuts with 11/32 nut driver. Remove front panel.
Install new panel

Note: Make sure new gasket is used each time a screen is replaced. Also, clean area of metal around opening to insure gasket has a clean surface to seal against.

While holding the screen with one hand, torque the corners of the touch screen in an X pattern and then the remainder of the nuts clockwise with 11/32 nut driver.

Seat the back panel onto the 2 bottom brackets, slide the stands onto the pin and tighten the two captive thumb screws.

Secure fan with two captive thumb screws & connect all cables (Power, fan, VGA & USB).

Sub Parts: Only Kristel subparts may be swapped on a Kristel Pivot design touchscreen.

<u>Serial #</u>	<u>Part #</u>	<u>Description</u>
1	RDBX00987	FAN – MODULE, TOUCHSCREEN, KRISTEL 17"
2	RDBX00988	KIT – POWER SUPPLY MODULE, W INTEGRAL RECEPTICLE, MOUNTING BRACKET, KRISTEL 17"
3	RDBX00989	LCD – KRISTEL 17", PIVOT DESIGN, BACK UNIT
4	RDBX01164	TOUCH PANEL – KRISTEL 17", STANDARD, FRONT W/ CONTROLLER, PT INT GASKET, EXT GASKET

<u>Tools/Parts Needed:</u>		
Tie Wrap	10	RDBX80749
Wire Cutter	1	RDBX80737
11/32 Nut driver	1	RDBX80839
Philips Screw driver	1	RDBX80747
17" Outdoor Kristel Touch Screen, Pivot With External Gasket	1	RDBX01165-01

Associated TSB's: NA

Sign off

Approved by

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Created by: Haroon Zafar	Engineering
Published by: MS will manage	MS will manage

Revision#	Date	Description
0.0.1	02/17/2013	Initial Release
0.0.2	07/10/2013	Touch Panel Replacement

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