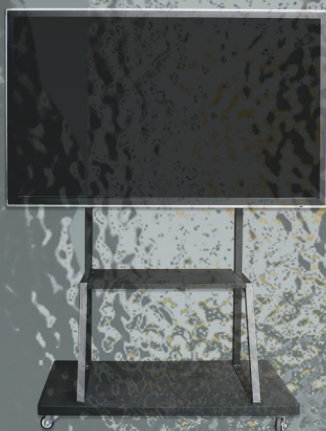# Interactive
Touchscreens

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INSTALLATION

- Locate the touchscreen in the room where direct light does not strike the screen. Total darkness or a reflection on the picture screen can cause eyestrain. Soft and indirect lighting is recommended for comfortable viewing.

- Allow enough space between the touchscreen and the wall to permit ventilation. The brackets provided provide adequate ventilation space.

- This TV operates on a AC supply provided by the mains voltage of 100-240V.

- Do not install the receiver in a location near heat and cooling sources such as radiator, air ducts, direct sunlight, or in a sealed area. Excessive heat may damage components; cool air may cause condensation.

- Do not cover the ventilation openings when using the touchscreen.

CAUSES OF INTERFERENCE

Incorporated in your TV receiver are the most up-to-date devices to eliminate interference. Local radiation however, can create disturbances which visibly affect your picture. Proper installation, a good aerial is your best safe-guards against these disturbances.

RF INTERFERENCE
Moving ripples across the screen are caused by nearby transmitting or receiving short-wave radio equipment.

DIATHERMY
Herringbone pattern and partial picture loss can result from the operation of diathermy equipment from a nearby doctor's surgery or hospital.

SNOW
Weak TV signals from long distant stations result in an instead picture and give the effect of falling snow. An antenna adjustment or antenna amplifier may be needed.

GHOST
Multiple images caused by TV signals reflected back from surrounding buildings, hills, aircraft, etc. is minimized by correct aerial positioning.

CAR IGNITION
Nearby cars and electrical motors can cause small streaks across the picture or make the picture roll.

CAUTION

Never tamper with any components inside your set, or any other adjustment controls not mentioned in this manual.

The LCD panel used in this product is made of glass. Therefore, it can break when the product is dropped or applied with impact. Be careful not to be injured by broken glass pieces in case the LCD panel breaks. When you clean up dust or stick of a water drop on the LCD panel, the power cord should be pulled out from the plug receptacle, then wipe the receiver with dried soft cloth. During thunder and lighting, unplug the power cord and antenna cord to prevent your TV set from damage. All "inside work" on your receiver should be performed only by the TV service personnel. All television receivers are high voltage instruments.

CONTENTS

ABI TSLED70V2 - 70" LED Backlit Touchscreen
ABI TSLED65V2 - 65" LED Backlit Touchscreen
ABI TSLED55V2 - 55" LED Backlit Touchscreen

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WHAT'S IN THE BOX

Inside the Touchscreen packaging you will find an Accessories box containing:

- 2 x Stylus Pens
- 1 x Remote Control with 2 x AAA Batteries
- 1 x Power Cable
- 1 x VGA Cable
- 1 x HDMI Cable
- 1 x 5m Active USB Extender Cable
- 1 x 3.5mm PC Audio Cable
- 1 x Software CD

CONNECTING YOUR LCD TOUCHSCREEN

Picture from your PC
Connect the monitor output (VGA) on your PC to the VGA input on your touchscreen (You can also connect by HDMI - Picture + Sound combined)
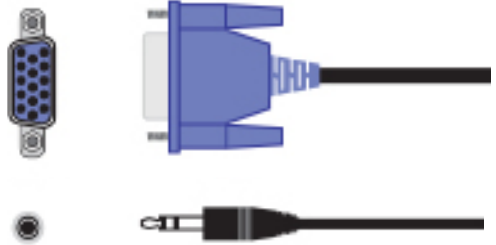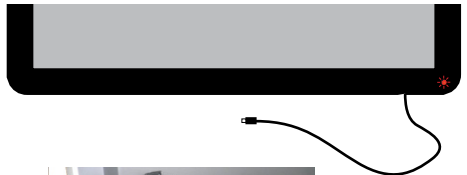
Sound from your PC
Connect a 3.5mm audio cable from your PC to the audio input on your touchscreen
(Not required if using HDMI)

Control from your PC
Connect a the USB cable attched to the touch-screen frame to your PC - using ONLY
the *Active USB Extender Cable* supplied

OPS Module PC
Your touchscreen incorporates an OPS module PC dock and connection if you want to use an OPS PC instead of desktop or notebook. Simply insert the module & turn on, power is provided internally from the LED panel. Connection to the PC is via HDMI & the USB cable must be plugged into the OPS USB input.
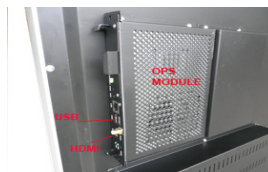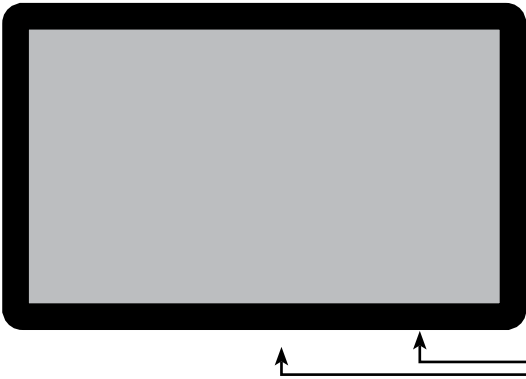
Mains Power
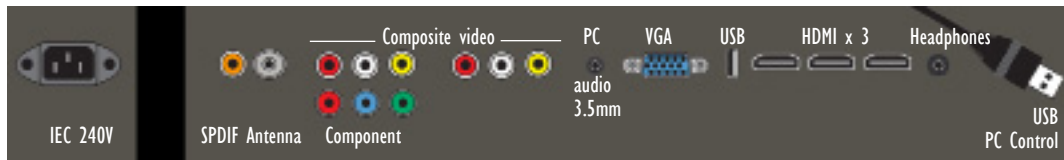Connect your touchscreen to a powerpoint using an IEC cable

CONNECTIONS & CONTROLS

CONTROL BUTTONS
Control buttons are located on the right bottom horizontal frame

CONNECTORS
Power (left side) and AV connectors (right side) are located on the underside of the rear horizontal frame.

INPUTS

IEC Power	240v power from standard mains power point
3.5mm audio	Audio signal from computer
Antenna	RF signal - TV signal input
Composite	Video plus left and right audio signals input
Component	Yp Bp R input external high definition analogue signal
VGA	Analogue monitor input signal from computer
HDMI	High definition digital video and audio signal input
USB	Data input. Optional use for PC-free slideshows

OUTPUTS

|	
SPDIF	Digital Audio output
Headphones	3.5mm Headphone jack

NOTE:

- Precautions when connecting to other equipment
- When using external equipment with this TV set, please read the instruction manual of the external equipment.
- Switch off all power supplies to the equipment and TV set before connection. Always ensure that the input and output terminals are correctly connected.

SWITCHING ON
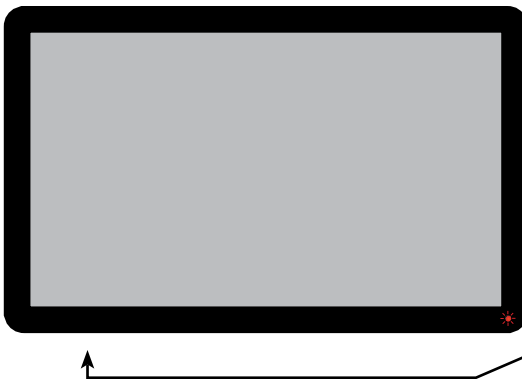
POWER button
Indicator lights:
RED - Standby
BLUE - System ON

IEC POWER SOCKET
Connect 240V IEC power
plug here

After checking power connections are correct, switch power ON using the power button on the remote (see page 9 for diagram of remote buttons).
Alternatively, locate the CONTROL BUTTONS on the right lower side of touchscreen frame and press the POWER button (see diagram below). The indicator light in the lower right hand corner will change from Red (Standby) to Blue (System On).

Changing which source is displayed

1. Using remote, press Source, use Up/Down arrows to select source & press OK.

2, Using panel, press AV/TV, press CH+ or CH- to scroll through source list and press either VOL+ or VOL- to OK selection

| PC | POWER | AV/TV | MENU | CH+ | CH- | VOL+ | VOL- |
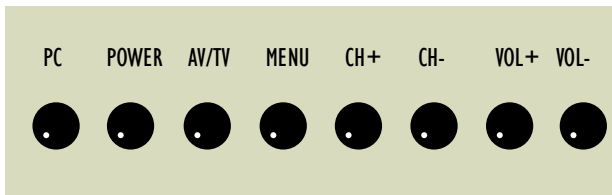
Note: PC button only used with embedded PC option.

Driver Options:
- If you are using Windows 7 / 8, a driver is not required to activate "touch" interactivity. Simply plug in, wait for the USB recognition & the touchscreen should be ready for use, Reboot your PC with the USB connected if you have any issues.
- If you are using Windows XP, you must use the driver *Setup Multi-TouchScreen Server V2.7.exe* on the setup disc. To load the driver, double click on the file & follow instructions to load onto your PC. When installed, the USB icon is green when connected to the touchscreen & working; grey when not conected and/or working. Note that XP will NOT operate in dual touch mode. You must click on the green USB icon, click Settings & set to "single touch". Click on Calibrate to calibrate your screen. XP is no longer recommended as it was designed for touch operation and Microsoft are stopping all XP support from April 8, 2014.

CALIBRATING YOUR TOUCHSCREEN

Driver-free Windows 7 and 8

As Windows 7 does not require a separate driver to actuate touch, you can skip the driver install step, and proceed directly to calibration and begin using your touchscreen.

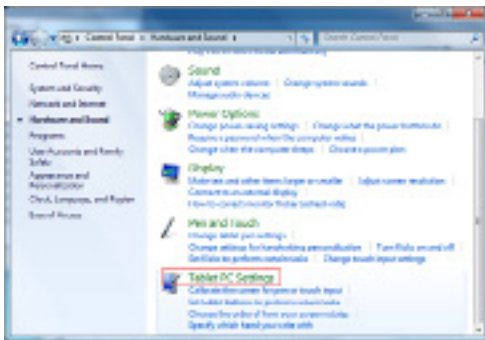See Driver Options for optional Win7 driver.

Calibration: Windows 7 / Windows 8

Step 1. Open *Control Panel*
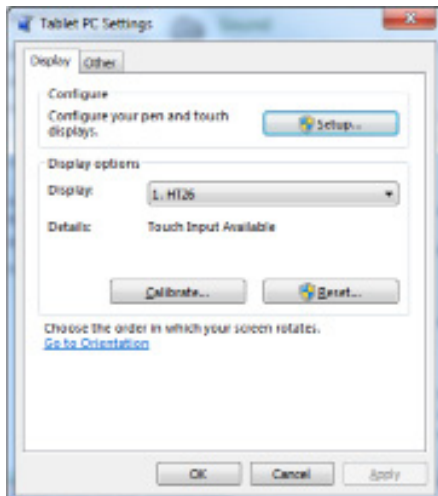**Step 2.** Click *Hardware and Sound*

You should see *Tablet PC Settings* on a list of options.

Step 3. Click *"Calibrate the screen for pen or touch input"*

Step 4. Click *"Calibrate..."*
Then reset Restore Defaults

Step 5. Calibration
Tap the crosshair each time it appears on-screen. Starts L to R, top to bottom.

Initial calibration sets 16 points. Subsequent calibrations only require 4 points.
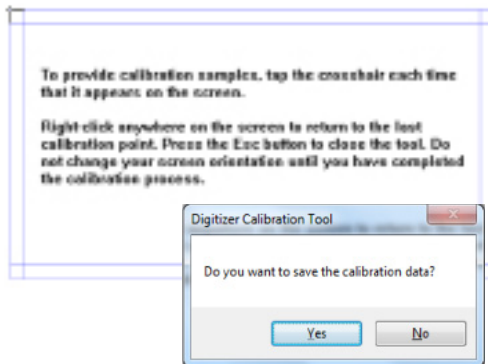
When finished SAVE or to re-do click RESET.

Multitouch & Gesture Control:
Win 7 & Win 8 operating systems will operate in multitouch (10 point writing touch touch) in programs that are multitouch activated, such as Windows Paint. ABI's Activetouch software can also be used in Multitouch mode. Gesture controls such as Zoom In, Zoom Out, Page Scroll also can be used .

Insert The Batteries

1. Remove the battery cover by pressing it and sliding it down.

2. Insert the two 1.5V (AAA size) batteries making sure the polarity (+ or -) of the batteries matches the polarity marks inside the unit.

3, Replace the battery cover by sliding it in until you hear a click sound.

Precautions when using batteries

- Do not use old and new batteries together.
- Do not use different types of batteries (for example, Manganese and Alkaline batteries) together.

- Note that there are chargeable and non-chargeable batteries.
  Do not attempt to charge non-chargeable batteries.
- Remove the batteries from the remote control unit if you do not intend to use the unit for a long time.

Precautions when using the remote control unit

- Do not drop the remote control unit.
- Do not subject the remote control unit to physical shocks.
- Keep the remote control unit dry. Wetting it may cause the unit to malfunction.
- Replace the batteries with new ones when operation of the unit deteriorates.

REMOTE CONTROL FUNCTIONS

1. POWER - Switch on TV

2. INFO - (e.g. Channel, TV system)

3. ZOOM - Aspect Ratios / USB - enlarge photo

4. Mute sound

5. P. MODE - Picture Mode

6. S. MODE - Sound Mode

7. SLEEP - Set Sleep timer

8. ECO - Power saving mode

9. TV - Digital TV mode

10. AV - AV source

11. USB - USB source menu

12. S-VIDEO - Not used

13. HDMI - HDMI source

14. YPBPR - Component source

15. VGA - VGA source

16. AUTO - Resynchronise picture in VGA mode

17. SOURCE - Source Menu

18. AUTOSCAN - Scan for channels (Hold for 3 mins)

19. Navigation Arrows

20. OK - Confirm selection

(Continued overleaf)

21. MENU - OSD menu or previous menu

22. EXIT - Quit current selection

23. Channel buttons 0 - 9

24. Previous channel

25. FAV - Favourite channels list

26. VOL - Sound volume

27. PG UP - Last list item in USB mode

28. PG DOWN - Next list item in USB mode

29. FAV+ - Select favourite channel

30. FAV- - Select the following favourite channel

31. CH - Cycle through channels

32. Play/Pause - USB Video mode

33. Skip backward - USB Video mode

34. Skip Forward - USB Video mode

35. Stop - USB Video mode

36. HOME - Return to start USB mode

37. Backward - USB Video mode

38. Forward - USB Video mode

39. ROTATION - Rotate picture in USB mode

40. Red - Not used

41. Green - Not used

42. Yellow - Not used

43. Blue - Not used

Please make these simple checks as indicated (•) on the chart for the respective symptoms and their possible remedies.

Symptoms	Try different channel, if OK, probably station trouble	Check aerial connections on back of set	Check aerial for broken wires	Re-orient aerial(if indoor type)	Probably local interference, such as an appliance	Adjust fine tuning control	Adjust brightness control	Adjust contrast control	Check if station is broadcasting colour	Adjust colour control	Check if system is correctly set	Check if on/off switch is "on"	Check batteries in remote control unit
No picture, no sound	•	•	•			•					•	•	
Poor sound, picture OK	•			•	•	•					•		
Poor picture, sound OK	•	•	•	•	•	•	•				•		
Weak picture	•	•	•	•		•					•		
Blurred picture	•		•	•		•					•		
Double image	•	•	•	•		•							
Lines in picture	•		•	•	•	•							
Distorted picture	•		•	•		•					•		
Weak reception on some channels	•	•	•	•	•	•					•		
Horizontal bars			•	•	•								
Picture rolls vertically	•		•	•	•						•		
Poor colour	•	•	•	•	•	•	•	•		•	•		
No colour	•	•	•	•		•			•	•	•		
Misoperation of Remote control													•
Remote control unit no operation													•

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