



**BS850-Waterproof TV
Operational Manual**

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BS850 TV Operational Manual

I. System

BS850 is an 8 inch Waterproof LCD TV specially developed and designed for mounting on the side of a bath or hot tub.

II. Operation instruction

BS850 has 8 buttons and the functions are as follows:

CLOSE button

Press this button to switch off the system.

TV button

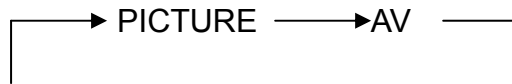
Press this button to turn on the TV. "TV" will be displayed at the top right-hand corner of the screen.

AV button

Press this button to switch to the AV channel. "AV" will be displayed at the top right-hand corner of the screen.

MENU/MEM button

When AV system is on, press this button, the display will be switched as follows:



When TV system is on, press this button, the display will be switched as follows:



Once you have selected this feature operate within 10 seconds or the menu will disappear.

CH+ button

Press this button to increase station number.

CH- button

Press this button to decrease station number.

VOL+ button

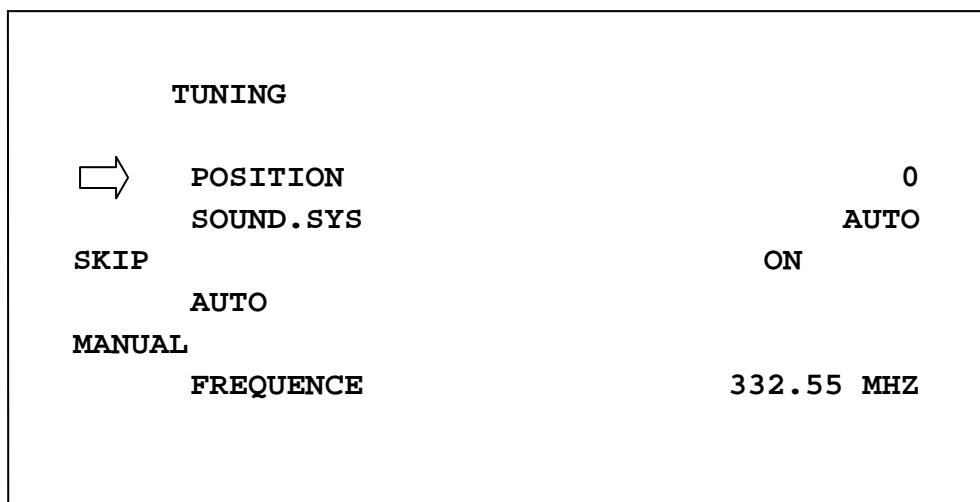
Press this button to display volume bar and increase volume.

VOL- button

Press this button to display volume bar and decrease volume.

TUNING - Setting

Press button **MENU/MEM** to enter TUNING setting interface; then press buttons CH+, CH-, VOL+ or VOL- to set sound system, station number, automatic station selection, semi-automatic station selection, manual station selection or skip mode.



Under above interface, press button CH+ to navigate upwards; press button CH- to navigate downwards; the menu to which the arrow points is selected.

POSITION – Station Number

Press button VOL+ or VOL- to change station number, which ranges from 0 to 99.

SOUND.SYS

Press button VOL+ or VOL- to select sound system, there are 5 sound systems available, namely AUTO, MN, BG, I and DK. AUTO adopts automatic-selective sound system by which system MN/BG/I/DK can be automatically selected.

For the UK please select (I).

SKIP

Press button VOL+ or VOL- to turn on or turn off SKIP function.

AUTO - Automatic Station Selection

Press button VOL+ or VOL- to select station automatically.

MANUAL – Semi-Auto Station Selection

Press button VOL+ to search a channel over a higher frequency, stop searching while a channel is detected; press button VOL- to search a channel over a lower frequency, stop searching while a channel is detected.

FREQUENCY - Manual Station Selection

Press button VOL+ to fine tune a higher frequency, or press button VOL- to fine tune a lower frequency.

PICTURE – Setting

Press button **MENU/MEM** to enter into PICTURE setting interface; then press button CH+, CH-, VOL+ or VOL- to set tone, colour, contrast or brightness.

PICTURE		
⇒	COLOR.SYS	AUTO
	SHARP	31
	BRIGHT	31
	CONTRAST	31
	COLOR	31
	TINT	31

Under above interface, press button CH+ to navigate upwards; press button CH- to navigate downwards; the menu to which the arrow points is selected.

COLOR.SYS

Press VOL+ or VOL- to change color system. System available: AUTO/PAL/NTSC/N443SECAM

For the UK please select PAL.

SHARP

Press VOL+ or VOL- to change sharpness from 0-63

BRIGHT

Press VOL+ or VOL- to change brightness from 0-63

CONTRAST

Press VOL+ or VOL- to change contrast from 0-63

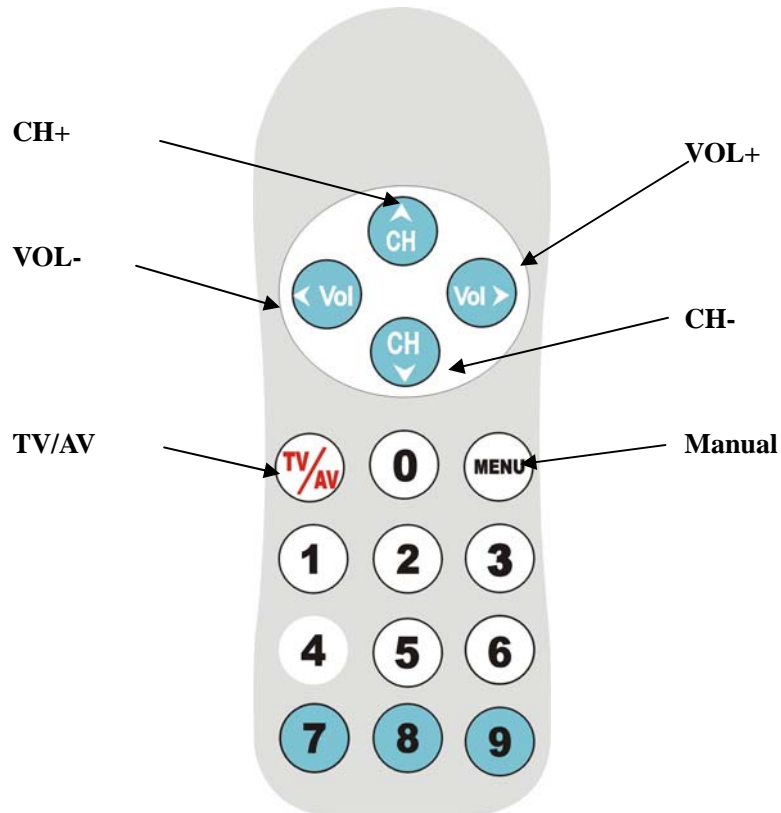
COLOUR

Press VOL+ or VOL- to change color from 0-63

TINT

Press VOL+ or VOL- to change the tint from 0-63. (NTSC & N443)

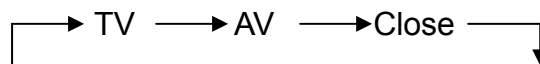
III. Remote Controller Instruction



The functions of CH+, CH-, VOL+, VOL-, MEN are the same as that on the panel.

TV/AV

Press this button to switch screen display in the following order:



When the TV system is on, the character “TV” will appear at the top right-hand corner of the screen and it will disappear in 10 seconds.

When the AV system is on, the character “AV” will appear at the top right-hand corner of the screen and it will disappear in 10 seconds.

IV. Basic Technical Index

1. Display Panel: 8-inch, colour TFT-LCD
2. Color system: PAL, NTSC
3. Receiving system: PAL-DK, PAL-I, PAL-BG, NTSC-M
4. TV input mode and impedance:
75 Ω unbalanced VHF/UHF input at the same terminal
Intermediate frequency: Image intermediate frequency: 38.9MHz
5. TV receiving range:
VHF Low band: 48.25 to 170.00MHz
VHF High band: 170.00 to 450.00MHz
UHF band: 450.00 to 863.25MHz
6. AV input mode and impedance:
75 Ω composite video signal input

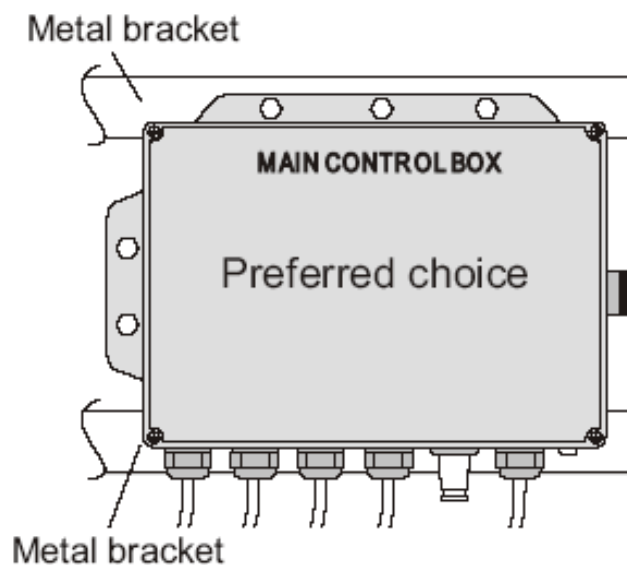
Box Contents:

8 inch LCD TFT monitor
Main Host Box
Waterproof Speaker
Water Resistant Remote Control
Instruction Manual with Installation Guide

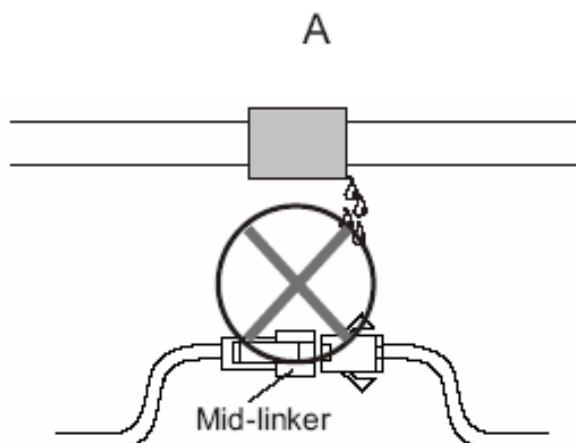
Product Installation (Host box)

Please note that all electrical installation should be carried out by a qualified electrician.

The waterproof grade of the host box is IPX5. The box should be positioned a minimum of 100mm from the ground and not directly beneath any water connector pipes, where there is a possibility of dripping water.



The host box should be positioned in an upright position as in Fig A. All connections should be made at the bottom of the box.



Any connections made leading from the host box should not be placed where there is a possibility of dripping water.

Connection to mains electricity must be made in a perfectly dry environment and not underneath the bath/hot tub.

Control panel installation

The control panel should be installed at the edge of the bath/hot tub for the user's convenience.

The location of the control panel should not be located under the joints of water pipes and the water faucet.

1. Cut out a hole of diameter 55mm in the desired location.
2. Place rubber washer over the hole.
3. Insert the control panel
4. Fasten the panel with the plastic nut.

The panel may be angled and swiveled to the desired location but please take care not to knock the panel as this may break the plastic connectors.

Speaker installation

The speaker provided is IPX4. This is rated as resistant to light showers. If positioning in a bathroom it is ideally situated in the ceiling. If this speaker is to be used in a gazebo structure it should be located where it will receive most shelter from the elements.

1. Select a mounting location which will allow the speaker to lay flat.
2. Use the supplied template to mark the mounting holes.
3. Drill a starter hole in the center of the mounting hole and cut out using a hacksaw or similar tool.
4. Connect the speaker wire to the speaker terminals using solder or speaker spades.
5. Place a bead of RTV sealant (or equivalent) around the back of the speaker basket.
6. Secure the speaker with fixing screws.

END