

# SP50 Control Unit User Guide

- A** Trim Pot
- B** USB - SD Card Sockets
- C** Sonde Frequency Selector
- D** Sonde Frequency LED
- E** System Start Switch
- F** On / Off Switch
- G** System Reset Switch
- H** 5A Fuse
- J** 19 Way Link Lead Socket
- K** Battery Level Indicator
- L** Battery Level Indicator Switch
- M** DC Battery Charger Socket
- N** Variable Light Control



Before turning on the system insert either  
SD Card or USB Stick

## TURNING SYSTEM ON:

Press on / off switch to on position (green light on),  
follow instructions (BOOTING UP THE SYSTEM)  
below.

## BOOTING UP THE SYSTEM

- Red system start button will flash
- Press and hold system start button until  
hearing a beep
- The flashing red light will change  
to constant
- The camera picture will appear after  
20 seconds

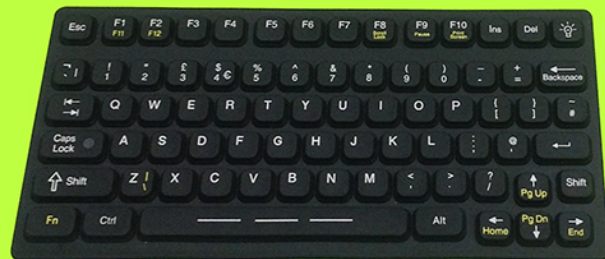
## TURNING OFF THE SYSTEM

- Press F2 to select main menu
- Navigate to power down in menu using  
down arrow key
- Press F10, the system will shut down

## RESET THE SYSTEM

The system reset button is used if the system is not responding to function keys

F1	F2	F3	F4	F5	F6	F7	F8	F9	F10
TEXT EDIT	MENU	VIEW GALLERY	PAGE 1	PAGE 2	PAGE 3	PAGE 4	PAUSE		COUNTER RESET SHIFT



**AMI SP50**



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### RECORD JPEG (still)

To save a still JPEG image of the picture displayed on the screen  
Press the tab button 'still' will be displayed in a text box, the picture will freeze  
Press the tab button again 'capt' will be displayed in a text box the image will be recorded  
The still images are stored in your memory device and can be viewed in the gallery

### VIDEO RECORDING / INSERTING TEXT DURING RECORDING

Press space bar to start / stop recording. During recording 'Rec' will be displayed in a text box  
To pause recording press F8 'Rec pause' will be displayed in a text box  
To insert text during recording press F1 to open text box. Type directly into text box or recall page 1 to 10 of saved text.  
Press F1 to insert text onto screen, press F8 to re-start recording.

### RECORDING ONTO SD CARD

Use class 4 max 8 gigabyte SD cards. **\*\*\*FORMAT CARD BEFORE USE\*\*\***

### RECORDING ONTO USB STICK

Max 8 gigabyte, USB stick must be plugged in before system start  
**\*\*\*FORMAT USB STICK BEFORE USE\*\*\***

Do not store additional data on the SD card or USB stick as it may corrupt the system  
**\*\*\*BACK UP YOUR DATA!\*\*\***

### VIDEO FORMATS

Standard video is recorded as a **.M4V** file

### VIDEO PLAYBACK

External playback of .M4V files is via VLC media player

### CONVERT RECORDED VIDEO FORMAT

Video files stored in the gallery can be converted into .mp4 files for playback in windows media player and other devices supporting this video format.

Press F3 to enter the gallery, select the file to convert using the keyboard arrow keys, the selected file will have a blue border.

Press Shift + F4 to start video conversion  
mp4 with a record symbol is displayed whilst the video is being converted.

The new .mp4 files are now stored on your SD card or USB, they are not viewable on the C50 control unit.

The new .mp4 files can now be viewed in a media player that supports this format.

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### ENTERING & SAVING TEXT PAGES

Press **F1**, type text

To save pages press: **shift + F2** for page 1, **shift + F3** for page 2, **shift + F4** for page 3, **shift + F5** for page 4, **shift + F6** for page 5, **shift + F7** for page 6, **shift + F8** for page 7, **shift + F9** for page 8, **shift + F10** for page 9, **shift + function + F11** for page 10

To clear page first recall page then press **shift + escape** To exit press **F1**

To remove the video image from behind the text during text entry press **F1** then **Ctrl + i**  
Press **F1** to return

### RECALL PAGES

Press **F1**

Page 1 press **F2**, page 2 press **F3**, page 3 press **F4**, page 4 press **F5**, page 5 press **F6**,  
Page 6 press **F7**, page 7 press **F8**, page 9 press **F10**, page 10 press **function + F11**

To exit press **F1**

### GALLERY

Press **F3** to enter gallery. Use keyboard arrow keys to select file

Press return to view recorded file, press return again to view gallery

Press **F3** to return to live picture

Note; JPG images are displayed with a **red border**, video images are displayed with a **blue border**

### DELETE FILE OPERATION

Enter gallery, press DEL key, bottom right OSD shows '**DELETE file**'

To exit without saving use right arrow

To delete file press DEL once more

To exit gallery press **F3**

### TEXT COLOUR

To change text colour to green press **Ctrl g**

To change text colour to white press **Ctrl w**

### USING THE CONTROL UNIT TO PLAY BACK VIDEO

The SP50 control unit can be used as a stand alone video playback unit.

To play back video recorded by the SP50 insert either USB or SD card.

Press **right arrow** twice, then press **F3**

The video gallery will appear, select a clip and press return to play.

Press **F3** to close gallery and remove SD card or USB device.

### SOFTWARE UPDATES

Software updates for your system can be emailed and Installed by the user.

Unzip the software update attachment and open folder, multiple update files will now be visible.

Insert a blank SD card into your PC / laptop and extract the files onto SD card.

Re-boot control unit (start light should be flashing)

Remove SD card from PC / laptop. Insert SD card into AMI control unit and start system.

The new software is now installed in your control unit.

Remove SD card, store in a safe place or format for further use.

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### COUNTER SET UP

To reset counter to 000.00 press **shift + F10**

To set counter for AMI SP50 pushrod press **Fn + F11** OSD will momentarily display **63**

To change counter direction press **Ctrl + >** or **Ctrl + <**

### DATE & TIME

To set date and time:

Press **F2** follow prompts to **Clock Set** set time and date. Press **return** to exit.

To switch date and time off:

Press **F2** follow prompt **On Screen Caption** select **Off**

### Battery Charging

**This equipment contains lithium Ion batteries**

**The product may not be used with any leads or chargers other than that supplied by AMI**

**Any such use will immediately void the warranty and could cause damage to the equipment that causes the batteries to overheat.**

**Do not use a charger or mains lead with a damaged lead or plug.**

**Charge indoors only.**

**Never handle charger with wet hands.**

**Keep the system battery charged so that it is ready for your next survey.**

## Sonde location

Use the sonde button (C) to switch on the sonde transmitter.

The sonde transmitter is located near the camera head and set to a frequency of 33 kHz.

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