

Technical Specifications

- Composite Video Input : BNC type socket 1 volt p-p into 75ohm.
- Composite Video Outputs : 4 x BNC sockets each 1 volt p-p / 75ohm.
- Monitor Video Output : BNC type socket 1 volt p-p / 75ohm.
- TV System : UK Pal 625 line 50 Hz Negative sync.
- Bandwidth / Resolution : Comp to Comp > 3.2MHz. @ 250 lines
- Character sets : Single font style consisting of 126 upper & lower case letters, numbers, punctuation, symbols lines and borders.
- Colours: 8 text colours inc.black & white.
8 background colours.
- Pages : 16 pages non-volatile (retained in memory by internal captive storage device. Page 'Hold' time 1~16 Sec.
- Dimensions : 200mm x 150mm x 40mm, 1U rack mountable (not including keyboard)
- Power supply : 240V Mains input, IEC lead supplied

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Operators Manual For Video Text Generator Type - VTG203

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The VTG203 is a compact unit for placing captions over external sourced video or as a 'stand alone' generator.

With up to 16 pages, 4 text sizes, 8 colours, it offers the flexibility to fill most applications.

Using the '**Auto page turn**' facility sequentially change pages.

In the event of a power failure the VTG 203 carries on where it left off, once power is restored.

The keyboard can optionally be removed and stored away for added security.

An internal non-volatile storage device is used to back up the memory, so the pages and settings are saved if the power is removed for any reason.

Some of the key features available

- 16 Page store -no battery required
- Up to 10 lines of text with 28 characters per line per page.
- Any combination of 4 character heights and 4 character widths.
- Copy Page /Copy line feature for quick writing of pages or lines
- Autopage menu sets page hold time (1-16secs) or hide pages from auto page cycle
- Superimpose B/W text over incoming standard Pal 625 line composite video signal
- Easy text editing with erase line, copy line, insert line, paste line and erase page
- Information bar at top of screen shows page numbering and operating mode

Thank you for choosing the VTG 203 - you have a comprehensive, easy to use Caption Generator that is very versatile in use. Please take time to read this manual - the time saved will be worth it!

'Normal Keys' used for editing

1-0, A-Z	Type lower case characters
Cursor keys	move cursor up/down/left/right (↑↓→←)
Space bar	Put in space and move text to right
Delete	Erase character to left of cursor
Enter/Rtn	Go to beginning of next line
Shift+1-0	Type symbols (experiment with!)
Shift+A-Z	Type Foreign characters (Again -experiment with !)
ALT+1-0	Type Symbols (experiment with!)
ALT+A-Z	Type Foreign characters (experiment with!)
ALT + Cursor keys	Move ALL text UP/DOWN/LEFT/RIGHT (↑↓→←)
Control + ↑	Reduce Line Spacing
Control + ↓	Increase Line Spacing
Control + →	Move cursor to right of screen
Control + ←	Move cursor to left of screen

Summary of Keys for Editing (press F1)

'F' Keys - Summary

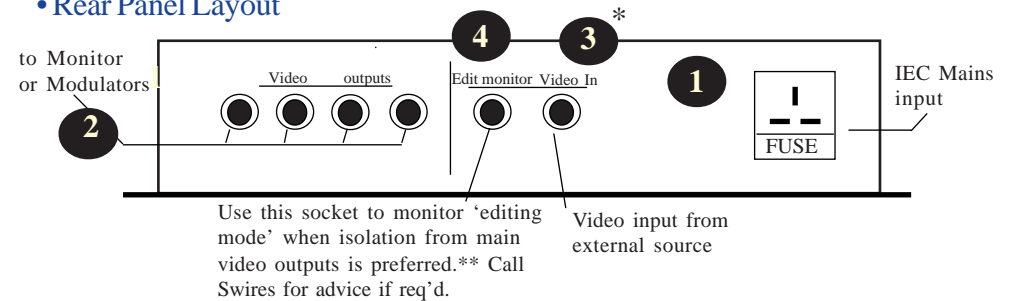
* note these keys only work when NO Video Input or Internal sync selected !

ESC	Turn OFF edit mode, cancel , erase and paste functions
F2	Turns Character background box ON or OFF
F3	Change Character Height
F4 *	Change Character Line Colour
F5 *	Change Screen colour
F6	Turn Mix ON/OFF (makes text translucent over picture)
F7	Copy (copies both line & page - use with Paste)
F8	Erase Line (also moves text UP)
F11	Page UP (Moves to next page up - Use with FN key with BTC keyboard)
F12	Page Down (Moves to previous page - Use with FN key with BTC keyboard)
Control + F3	Make Characters smallest height and width
Control + F7	Paste Page (with warning)
Control + F8	Erase ALL pages (with warning) Restores default settings to MENU screens
ALT+ESC	Turn off Edit mode
ALT+F1	Select Internal/External video source
ALT+F2	Character outlines ON/OFF
ALT+F3	Change character width
ALT+F4*	Change colour of ALL Characters on page to same as cursor colour
ALT+F5*	Change Character background box colour
ALT+F6	Insert Line (moves all other lines down)
ALT+F7	Paste Line
ALT+F8	Erase Page (with Warning)
ALT+F11	Page UP (Go to next page) nb. when using BTC keyboard add FN key !
ALT+F12	Page DOWN (Go to previous page) nb. when using BTC keyboard add FN key !

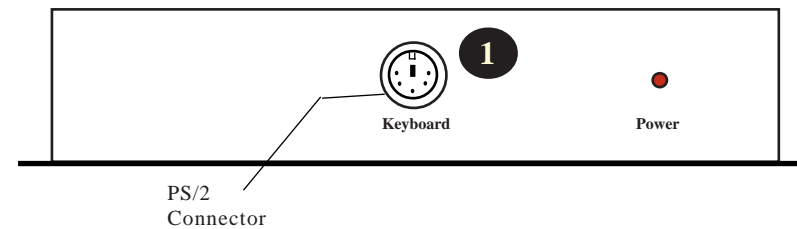
Basic setting up Guide

- 1 Connect the power supply and keyboard to the VTG 203
- 2 Connect a BNC lead between any of the Video outputs and a monitor
- 3 * The VTG 203 Automatically switches to External sync if a Video source is connected to the Video IN bnc socket. If NO Video is detected on the INPUT Video socket the VTG 203 switches to INTERNAL Sync. ie 'stand alone mode'

• Rear Panel Layout



• Front Panel Layout



- 4 ** The EDIT Monitor facility is available to 'Isolate' the video outputs when information is being updated - it prevents end users from seeing information updates. Please enquire with Swires office if feature is required.

Main Menu (ALT + F9)

To select and change items, follow the instructions at the bottom of the screen.

For example, press the cursor UP/DOWN keys to select the line to change, then press the cursor LEFT/RIGHT keys to change the item on the selected line.

Menu		Options
>Page Number Display	Page NN	1 OFF, XX, pageXX
Page No. Background	Black	2 Black, Clear
Text over Video	B/W	3 B/W, Grey
Start-Up Page No.	LAST	4 See bottom of page.

Press ESC to exit
cursor UP/DOWN = select<> = change

Different Styles of page numbering **1** **2**

The first two settings of the main menu screen on page 4 determine how the page numbering is displayed.

When it is turned on it is always positioned towards the top left hand corner of the screen.

Text Over Video **3**

The system allows coloured text over blank screens when there is either no video input, or the input has been turned off by the keyboard.

When 'text over video' is set to GREY and is superimposed over a video input, the text take on the equivalent grey tone of the colour that would be displayed if there was a blank screen.

- 4** The Start up page numbering is not really required if used in an environment where operating 24 hours, ie information channel - Hotel, departure lounge etc.

'Normal' Functions Keys - (Non Edit mode)

•Normal Key Functions

This table summarises the functions of all the active keyboard keys when the system is NOT in EDIT Mode, or one of the menu or warning screens are on.

1,2,3,4,5,6,7,8,9,0, Q,W,E,R,T,Y.	SELECT PAGES 1 TO 16
F1	Turns on Edit mode
F5	Change screen background colour (only when no video input or INT Sync Selected.)
F9	Turn ON AUTOPAGE (Page rotation)
F10	Turn Text ON or OFF
F11	Page UP (go to next page)
F12	Page DOWN (go to previous page)
ALT + ESC	Turn off menu screens and AUTOPAGE
ALT + F1	Manually select Internal or External Video source
ALT + F9	Turn MENU page On
ALT + F10	Turn Demo page On
ALT + F11	Page UP (Go to next page)
ALT + F12	Page DOWN (Go to previous page)

Troubleshooting Guide

We assume in all the scenarios below that power is connected and the ON/OFF switch on the front panel is pressed IN. (LED Should be ON).

- “No titles or message displayed”

Is monitor display switched on
Check Power LED is ON

Check there is actually text on the current page. Select another page.
Check leads from VTG 203 to monitor.

Are you in EDIT MODE ?- With the edit mode facility activated no video will be present on the 4 BNC video output sockets. Check for video output on the Video Monitor BNC socket. If there is, toggle between F1 and ESC keys video on EDIT MON skt. will appear/disappear. (you will also here a relay clicking over in the VTG203).

This feature was added to prevent End users from seeing the live editing and can be enabled/disabled internally -short 2 pin molex to molex lead (labeled) can be unplugged to deactivate, (plugged in to activate).

- “Pages Missing hidden or locked out.”

Go to Autopage menu (Control + F9) Check status of each page in question.

- “VTG203 does not ‘Autopage”

Make sure ‘display time’ in Auto Page menu (control +F9) are set to 2+ Seconds and all pages are not set to OFF.

- “Video Text Generator shows Blank Pages in display cycle”

Check with ‘AUTOPAGE’ (control +F9) that correct pages are being shown in your ‘Show’ cycle. Also that the page actually has some text to show.

Autopage Menu - (CTRL + F9)

AUTOPAGE is activated by pressing F9 key and stopped by pressing ESC key.

When AUTOPAGE is on, the pages automatically rotate after a predetermined time delay. The time delay, or ‘Hold’ time is set using the AUTOPAGE menu screen.

To access Autopage menu screen press Control (CTRL) + F9 keys in NON EDIT mode.

Pages can also be excluded from a sequence by turning the required pages to the OFF position . Each page can have its own time delay - ie more text on a page takes longer to read so increase time delay on these pages.

The delay time can be set between 1~ 16 seconds. The pages will always be seen in the same order 1~ 16 and back to 1 again. AUTOPAGE will keep going until it is deactivated by pressing the ESC key. Even in the event of a power cut, the VTG203 will carry on where it left off before the power was removed.

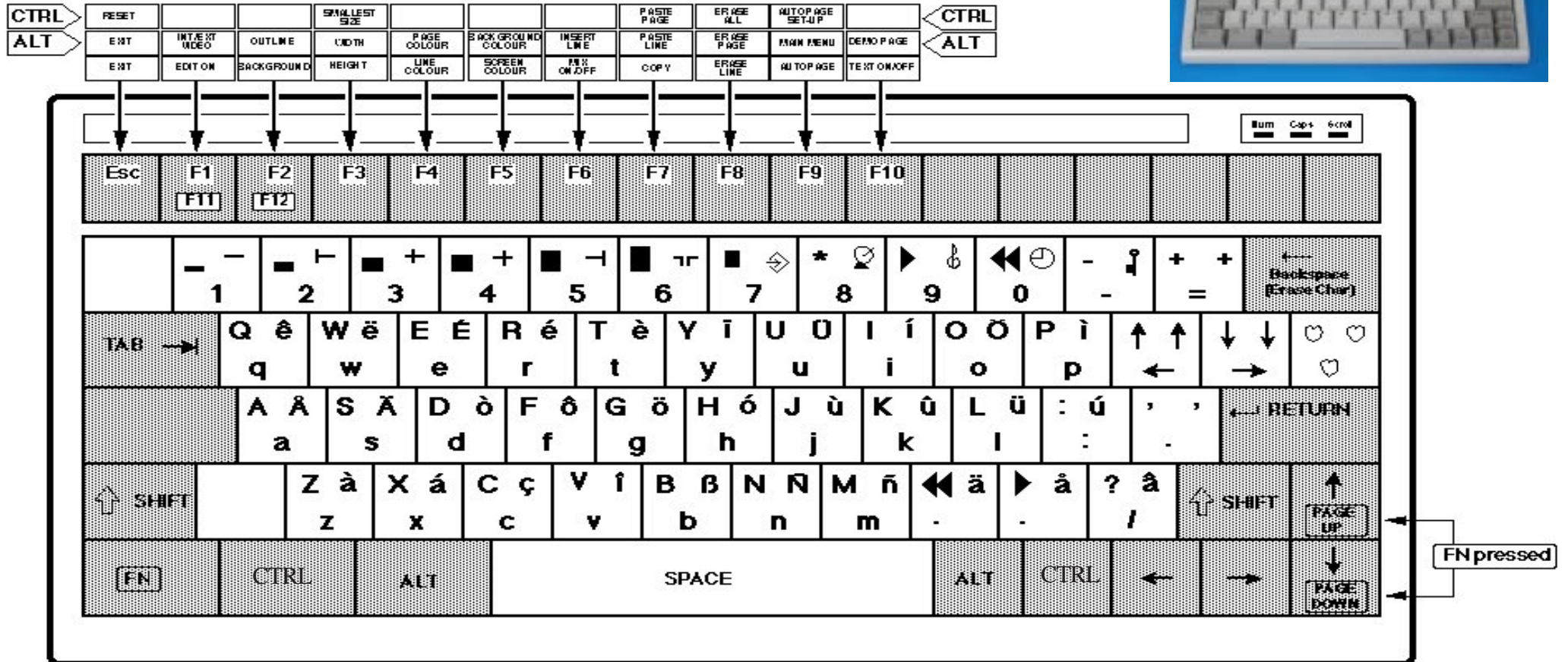
When a page (s) are removed from the AUTOPAGE sequence they can still be edited or viewed in the usual way. It does not mean they have been deleted.

Follow instructions at the bottom of the screen. All settings are saved on exit (ESC key).

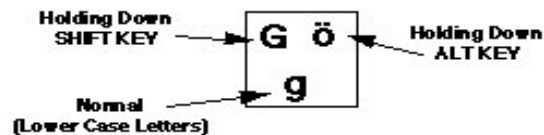
```
Autopage set up
>Page 01 - 2s   Page 09 -2s
Page 02 - 2s   Page 10 -2s
Page 03 -2s    Page 11 -2s
Page 04 -2s    Page 12 -2s
Page 05 -2s    Page 13 -2s
Page 06 -2s    Page 14 -2s
Page 07 -2s    Page 15 -2s
Page 08--2s    Page 16 -2s
Press ESC to Exit
Cursor ↑↓ = Select : ← → = Change
```

*Autopage set-up
screen*

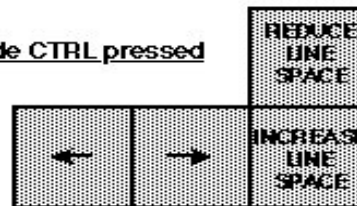
Keyboard Functions (BTC-5100 small keyboard)



Key Functions in EDIT mode



EDIT mode CTRL pressed



EDIT mode ALT pressed

