

FERGUSON

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For Service Manuals Contact
MAURITRON TECHNICAL SERVICES
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Oxon OX9 4QY
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Fastext Colour TV

WITH INFRA-RED REMOTE CONTROL
AND ON-SCREEN GRAPHICS

OPERATING INSTRUCTIONS

Features

REMOTE CONTROLLED COLOUR TV RECEIVER WITH FAST ACCESS TELETEXT (FASTEXT) AND ON-SCREEN GRAPHICS

- Flatter, squarer picture tube (FST) for wider viewing angle and fewer reflections.
- Frequency synthesis tuning with quartz crystal control, and comprehensive programme memories which incorporate a skip feature.
- Dual product remote control: for controlling selected Ferguson Videostar electronic video cassette recorders as well as TV and teletext.
- Distinctive cabinet styling with front-facing speaker.
- Advanced integrated circuit technology ensures crisper, cleaner pictures and best possible text displays.
- Fastext providing ease and speed of access with the teletext service using colour-coded prompts or signposts at the bottom of the screen.
- Automatic switch to standby after 5 minutes if there is no incoming TV signal and no remote command issued.
- Child lock facility.
- Colour picture tube is monitored continuously whilst viewing to ensure perfect colour balance.
- LED displays indicate programme number; channel mode; auxiliary or RGB mode; and standby.
- On-screen displays provide feedback when setting or adjusting a specific control.
- Automatic sound muting. If switched on with the aerial disconnected, or if the receiver is not tuned to a station, background noises are automatically silenced.
- Extension loudspeaker socket.
- Isolated mains chassis.
- Peritelevision socket providing a number of input and output connections when programme 0 is selected (see page 13). This extends the facilities available for new programmes and video displays.

The Peritelevision socket will enable you to obtain improved displays from many home computers or video games. It will also accept connections from a video recorder or camera and from add-on units providing TV reception from satellite and cable distribution systems.

NOTE: A self-assembly stand with a shelf for a video recorder may also be supplied. To ensure complete safety, the assembly and usage of the stand should be in accordance with the Assembly and User Instructions leaflet which is supplied with the stand. You should also retain that leaflet for future reference.

CHILD LOCK ACCESS WITHOUT YOUR PIN (see page 3)

Pressing the coloured buttons in the sequence red, green, blue and then holding yellow down for at least 4 seconds will bypass the need to enter your PIN. This could be used either to turn the lock off if the PIN is forgotten or to change the PIN when the stored PIN is either not known or has been forgotten.

It is recommended that this slip be kept separate from the Operating Instructions but in a secure place.

Installation

MAINS LEAD PLUG CONNECTIONS

This receiver is suitable for use on a.c. mains supplies, 230-250 volts, 50 Hz only. It must not be connected to d.c. mains.

Important

The wires in the mains lead are coloured in accordance with the following code:

BLUE — Neutral
BROWN — Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

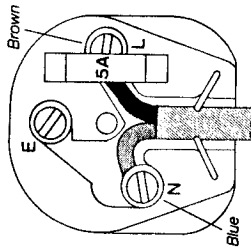
BLUE wire to the terminal coded N (Neutral) or coloured black.

BROWN wire to the terminal coded L (Live) or coloured red.

Do not make any connection to the terminal in the plug which is marked by the letter E or by the safety earth symbol \equiv or coloured green or green-and-yellow.

A fused plug must be fitted with a 5 A fuse.

If in doubt, consult a competent electrician.



AERIAL

To enjoy good colour television, it is important to use an efficient UHF aerial. Although this receiver is highly sensitive and in many areas will resolve a colour picture using only a room or loft aerial, to take full advantage of the very high fidelity picture that is a special feature of this receiver, you are strongly recommended to ensure that the aerial is supplying a satisfactory signal, free from any interference. Interference may take the form of a background pattern or ghost images. Your television dealer will be able to advise you on the most suitable type of aerial.

If an aerial gives good results on colour TV there should be no problem with teletext signals. However 'ghosts' due to signal reflections may distort the signal in such a way that even though the TV picture appears satisfactory the teletext display may show errors.

THE REMOTE CONTROL

This receiver incorporates a microcomputer-based remote control system providing adjustment of television picture and sound volume from your armchair.

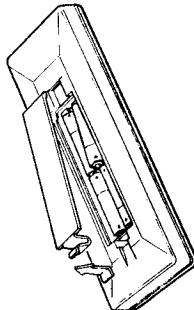
The microcomputer is designed to be foolproof. If, for example, an incorrect command on the remote control requests a non-existent channel, the on screen display will show CH — with the letters only flashing for 4 seconds. Also, if any command is left incomplete, then a 'time-out' feature (approximately 4 seconds) cancels it leaving the television ready immediately to respond to any new commands from the remote control.

Selected Ferguson Videostar cassette recorders incorporate a microcomputer-based remote control system. This allows the infra-red remote control unit supplied with this receiver also to give direct control of many of the video recorder functions as described on page 9. This facility will be referred to in the appropriate video recorder operating instructions. Contact your Ferguson dealer for more details.

BATTERIES FOR THE REMOTE CONTROL UNIT

Four batteries are supplied for use in the remote control.

To remove the battery compartment cover, unclip and lift off in direction of the arrow.



Carefully fit the four batteries, making sure that they are inserted the correct way round as shown and as indicated in the battery compartment. The ends are usually marked + and -.

When replacing the cover, locate the prongs and press down the catch to secure.

The batteries in the control unit will require replacement after a period of time dependent upon the amount of use. This will be indicated when the unit no longer operates at normal viewing distances from the receiver. Replacement batteries size AAA are readily obtainable.

Do not mix battery makes and types, nor old and new batteries.

Avoid damage to the remote control by extreme heat. This could result from leaving it close to a radiator or on a window ledge in direct sunshine.

EXTENSION LOUDSPEAKER SOCKET

A loudspeaker of at least 8Ω impedance may be connected to the extension loudspeaker socket situated at the rear of the receiver and to the left of the aerial socket.

6W rms sound output is available using an extension loudspeaker of 8Ω impedance.

The socket incorporates a switch which automatically mutes the sound output from the receiver's loudspeakers when an extension loudspeaker is plugged in.

★ ★ ★ ★

CARE AND SAFETY

Please read carefully the important leaflet "Some General Do's and Don'ts on the Safe Use of Equipment" which is supplied separately.

Ask your dealer if you are ever in doubt about the installation, operation or safety of the receiver — he is the best person to advise you.

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Special Facilities

ON-SCREEN GRAPHICS DISPLAYS

This receiver incorporates an on-screen display facility providing feedback when setting or adjusting a specific control. The appropriate symbol or bargraph is displayed for 4 seconds after the function is stable, except for the mute symbol (M) which is displayed while the sound is muted. Details of each on-screen display will be given at the appropriate point in these instructions.

The menu (choice) page for on-screen graphics as shown in Fig. 1 is obtained by pressing the black I button on the remote control unit when its switch is set to TV.

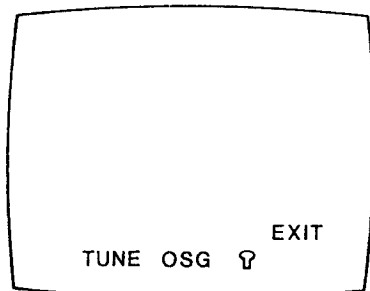


Fig. 1

If the on-screen graphics are not required, they can be removed by pressing the black I button. Select graphics mode by pressing the green button and then by pressing the green or yellow buttons the graphics display can be switched off or on respectively as required. The information is automatically memorised and the prompt will disappear from the screen after 4 seconds.

NOTE: Status screens or menu page are still available by using the status (?) or black I buttons.

STATUS SCREENS

The status screens show the operational parameters of the receiver and are accessed by pressing the (?) button. Subsequent presses will step the status screens in the following order:

- a) Programme and channel information with the mute symbol if the receiver is muted (see Fig. 2).

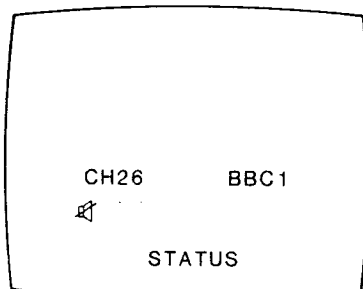


Fig. 2

- b) Brightness, contrast, colour and volume bargraphs (see Fig. 3).

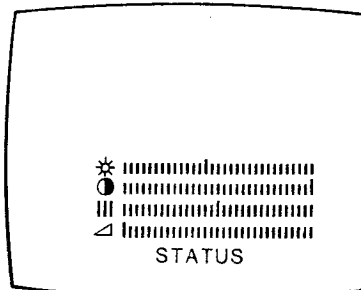


Fig. 3

A vertical cursor on each bargraph indicates your current setting.

The status screens remain for 4 seconds after releasing the (?) button.

If the status button is pressed when the receiver is in the auxiliary mode, the channel number displayed will correspond to the programme being viewed before the 0 (AUX) button was selected.

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CHILD LOCK FACILITY

The child lock facility prevents the receiver from displaying a picture sourced either from the TV or peritelevision input. Child lock is released using a four-digit Personal Identification Number (PIN). The PIN is not required to set the child lock to On.

To initially enter your own PIN, press the black I button followed by the yellow button. The screen display will be as shown in Fig. 4. Press the red button and the screen message 'ENTER OLD PIN' will be displayed. Enter the factory-set number 0000 and follow the instructions on the screen by entering a four-digit number of your choice. If, however, 'PIN INCORRECT' is displayed, follow the procedure described in the tear-off slip on the flap of page 2.

When 'ENTER OLD PIN' is displayed and the PIN is not known or has been forgotten, see the tear-off slip on page 2 flap for instructions on how to access child lock. It is recommended that this slip and the Operating Instructions are kept in separate but secure places.

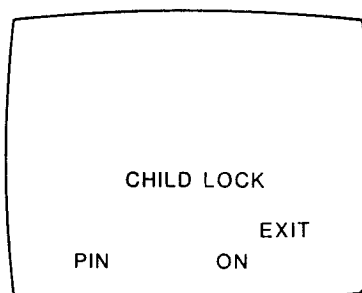


Fig. 4

If it becomes necessary to change the PIN, press the red button with child lock screen displayed (see Fig. 4) and follow the instructions given there.

To use the child lock facility, press the black I button followed by the yellow button. Then another press of the yellow button will activate the child lock with the word 'LOCKED' displayed in a black box on a 'snowy' screen and the front panel display showing '—'. After 4 seconds the receiver will switch to standby.

To bring the receiver out of standby, press any programme selector button, TV or Text buttons and the screen will then show the locked display. At this stage your PIN must be re-entered using the remote control and as the digits are entered dashes appear on the screen. If entered correctly, TV mode is adopted with programme 1 displayed.

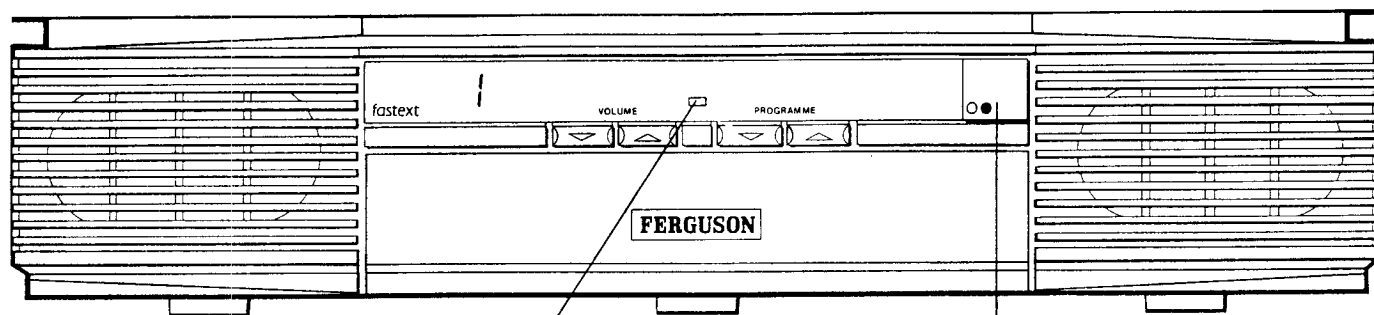
If no PIN is entered, the receiver will switch to standby after 5 minutes.

If an incorrect PIN is entered, then 'PIN INCORRECT LOCKED' is displayed and after 4 seconds the receiver will again switch to standby. No further tries are allowed within the 4 seconds.

If at any stage the receiver is inadvertently locked before the PIN has been programmed in, follow the instructions on the tear-off slip on page 2 flap remembering first to bring up the locked display (if the receiver has gone into the standby mode) by pressing one of the numbered buttons.

TUNING

BY CHANNEL NUMBERS AND PROGRAMMING THE SELECTOR BUTTONS



PRE-TUNING CHECK

Video Recorder Power Switch

If a video recorder is connected to the TV aerial socket, ensure that it is energised before TV tuning is attempted.

Standby Light. This light glows when the receiver is in standby.

On-Off Switch. Press to switch on. After a few moments, either picture and sound will be obtained or a 'snowy' screen without sound indicating tuning is required. If, instead, the Standby light glows see page 8.

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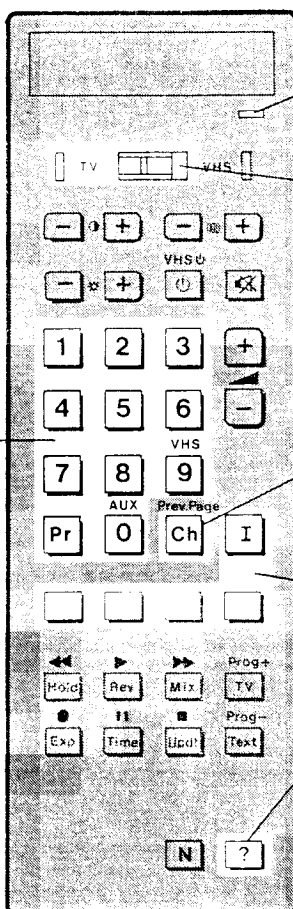
When operating the remote control, point it towards the receiver indicator panel.

Programme Selector Buttons.

Your local TV stations and other programme sources such as a video recorder, home computer, video game and video disc player can be selected by these buttons provided tuning instructions have been stored in the receiver memory (see page 5). Up to 40 programme sources can be memorised in the programme number order you prefer.

For programmes 0-9, simply press the numbered button required. For two-digit numbers, press the Pr button and the current programme number (both digits) will flash for 4 seconds. During this period, press the two numbered buttons required.

If a programme number higher than 40 is selected, the current programme number will flash for 4 seconds during which another programme number may be entered.



This light flashes when a control button is pressed.

Check switch is set to TV for tuning.

Press to select transmissions by channel number followed by the numbered buttons as required — see Channel Number Guide on page 6.

On-screen graphics select buttons.

TUNING AND MEMORY

Direct Set-up

There are two methods available both using the remote control with its switch set to TV.

- a) Select the programme number required. Then press the Ch button. The on-screen display will show the letters CH followed by a two-digit number. CH flashes for 4 seconds and during this time select the channel tuning number required by pressing the two digits — refer to Channel Number Guide on page 6. The channel tuning number will then be displayed on the screen for 4 seconds and the front panel display will show CH. During this time press the red button to memorise the setting.
- b) Select a channel number as described in (a) *but do not memorise* and then select and hold down the button for the required programme number. The receiver will display the programme and name currently stored in this location. After the button has been held down for 3 seconds the message 'SAVE ?' will be displayed at the top of the screen and after a further 3 seconds the channel will be stored and the message 'SAVED' displayed in red.

In either case once memorised the on-screen display will turn red to indicate that the channel has been entered into the selected programme number memory now shown in the front panel display.

Set-up via Menu

Ensure the remote control switch is set to TV and then press the black I button to reveal a menu page showing four coloured prompts at the bottom of the screen: red 'TUNE', green 'OSG', yellow key symbol, white 'EXIT' (see Fig. 1 on page 3). Press the red button to select tuning set-up screen. Alternatively this screen can be directly accessed by pressing and holding down the Pr button for 3 seconds. A menu page similar to that shown in Fig. 5 will be revealed offering various options which are accessible using the four coloured buttons and black I button on the remote control. Four screens are available: channel tuning; fine tuning; programme name; and skip select. These are similar to Figs. 5, 6, 7 & 8 respectively.

a) Channel Tuning

The two blue numerals in the channel number will be flashing, press the Ch button and all four characters will flash for 4 seconds. During this time enter the channel number corresponding to your required programme, e.g. BBC1, by referring to the Channel Number Guide on page 6.

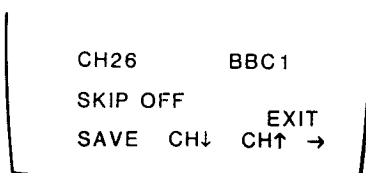


Fig. 5

If you need to tune to stations other than those main transmitters given in the guide or

are uncertain of the channels available in your area, you can search the band using the green and yellow buttons to tune the channels down and up in one-third-of-a-channel steps to find the station giving best reception. During this operation a vertical up or down arrow will be displayed to the right of the channel number indicating the direction in which the receiver is off tune. The arrow disappears when the station is on channel.

b) Fine Tuning

Mainly for external equipment such as VCRs.

Press the blue button to select the fine tune screen which will be similar to that shown in Fig. 6. Should the programme require fine tuning use the green and yellow down and up buttons as required. The station is on channel when a flashing horizontal arrow (→) is displayed to the right of the channel number. In rare instances, slight adjustment from the optimum may be needed to obtain the best reception, for example, when there is local interference or ghosting. Any fine tuning offset will be stored when all the tuning information is entered into memory.

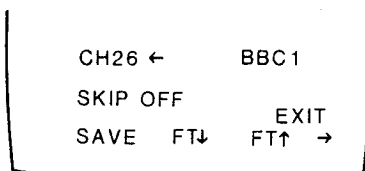


Fig. 6

c) Programme Name

Press the blue button to select the programme name screen which will be similar to that shown in Fig. 7. The first character of the programme name is now blue and flashing and can be changed using the green and yellow buttons to sequence through the character set. The order of the characters is A to Z, space and 1 to 9. At the prompt stage a space is indicated by a flashing blue dash. Each character can be stored using the red button, and on being stored it turns red and the cursor moves to the next position. When the name (up to six characters) has been stored the display automatically moves to the skip select screen. If desired the skip select screen can be accessed after any character by using the blue button.

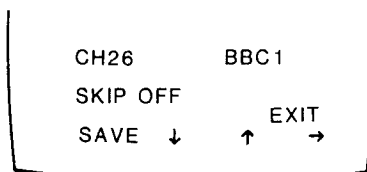


Fig. 7

d) Skip Select

The programme control system has a built-in skip facility which allows unrequired programmes to be avoided when the PROGRAMME ▲ and ▼ buttons on the receiver are operated. To avoid needless operation of these buttons, e.g. when

returning from the VCR programme 9 to programme 1, it is possible to eliminate programmes 10 to 40. Then by simply pressing the PROGRAMME ▲ button the receiver will 'skip' from 9 to 0 (RU on front panel display, AUX on the screen). NOTE: programme 0 cannot be skipped.

The skip select screen is similar to that shown in Fig. 8.

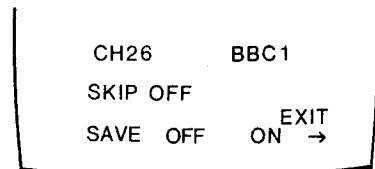


Fig. 8

All programmes except 1, 2, 3, 4 and 9 are factory set to be skipped. These programmes may be unskipped as described in the next paragraph. Alternatively follow the instructions given under Direct Set-up on this page.

To skip an unrequired programme use the yellow button to select SKIP ON. When a programme is not required to be skipped, use the green button to select SKIP OFF.

A simple parental choice facility is available by skipping selected programmes and then when the remote control unit is removed the PROGRAMME buttons on the receiver will only give access to unskipped programmes.

e) Settings Check and Memorising

By pressing the blue button four times you can either verify that your settings at each stage (i.e. after each press) are correct or alter them as required. To memorise all the tuning information before setting up the next programme location details, press the red button.

If only selective changes of the tuning procedure are required, press the black I button to obtain the set-up menu as previously described. Then select that feature by pressing the blue button and carry out the modifications as previously described. On completion, press the red button to memorise the information.

Pressing the red button at any stage during the set-up returns the receiver to TV mode and memorises the setting. If you want to return ('EXIT') to TV mode without memorising a setting, press the black I button

VCR and Peritelevision Operation

If you are tuning to a VCR or a video disc player on programme 8, 9 or 10, tune in a similar way as for a broadcast channel, but it may be found necessary to use the fine tuning screen to obtain best picture and sound. A programme name, e.g. VIDEO, could be entered. As previously described press the red button to memorise. NOTE: VCR RF output is preset for CH36 but can be adjusted if required.

Home computers or video games should be tuned in a similar way as a VCR. Alternatively programme 0 can be used with direct input via the Peritelevision socket (see page 13).

TELEVISION CHANNEL NUMBER GUIDE

Only the main transmitters are listed. There are in addition many relay stations, and full lists are available from the BBC and IBA.

London & South-East	BBC1	BBC2	ITV	CH4
Bluebell Hill.....	40	46	43	65
Crystal Palace.....	26	33	23	30
Dover.....	50	56	66	53
Heathfield.....	49	52	64	67
Oxford.....	57	63	60	53

South-West	BBC1	BBC2	ITV	CH4
Beacon Hill.....	57	63	60	53
Caradon Hill.....	22	28	25	32
Hunshaw Cross.....	55	62	59	65
Redruth.....	51	44	41	47
Stockland Hill.....	33	26	23	29
Channel Islands				
Fremont Point.....	51	44	41	47

South	BBC1	BBC2	ITV	CH4
Hannington.....	39	45	42	66
Midhurst.....	61	55	58	68
Rowridge.....	31	24	27	21

West	BBC1	BBC2	ITV	CH4
Mendip.....	58	64	61	54

East	BBC1	BBC2	ITV	CH4
Sandy Heath.....	31	27	24	21
Sudbury.....	51	44	41	47
Tacolneston.....	62	55	59	65

Midlands	BBC1	BBC2	ITV	CH4
Ridge Hill.....	22	28	25	32
Sutton Coldfield.....	46	40	43	50
The Wrekin.....	26	33	23	29
Waltham.....	58	64	61	54

North	BBC1	BBC2	ITV	CH4
Belmont.....	22	28	25	32
Emley Moor.....	44	51	47	41

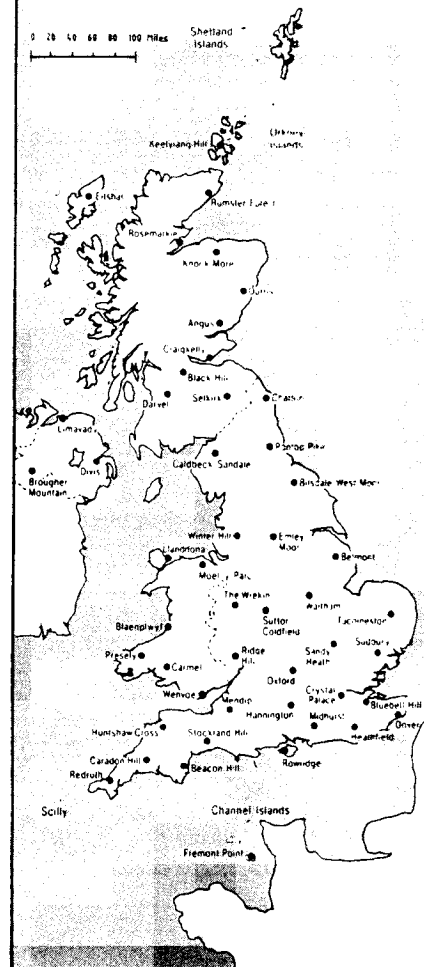
North-West	BBC1	BBC2	ITV	CH4
Caldbeck.....	30	34	28	32
Winter Hill.....	55	62	59	65

North-East	BBC1	BBC2	ITV	CH4
Bilsdale West Moor.....	33	26	29	23
Chatton.....	39	45	49	42
Pontop Pike.....	58	64	61	54

Scotland	BBC1	BBC2	ITV	CH4
Angus.....	57	63	60	53
Black Hill.....	40	46	43	50
Sandale.....	22	—	—	—
Caldbeck.....	—	34	28	32
Craigkelly.....	31	27	24	21
Darvel.....	33	26	23	29
Durris.....	22	28	25	32
Eitshal.....	33	26	23	29
Keelyley Hill.....	40	46	43	50
Knock More.....	33	26	23	29
Rosemarkie.....	39	45	49	42
Rumster Forest.....	31	27	24	21
Selkirk.....	55	62	59	65

Wales	BBC1	BBC2	ITV	CH4
Blaenplwyf.....	31	27	24	21
Carmel.....	57	63	60	53
Llanddona.....	57	63	60	53
Moel-y-Parc.....	52	45	49	42
Presely.....	46	40	43	50
Wenvoe.....	44	51	41	47

UK MAIN TRANSMITTERS



Northern Ireland	BBC1	BBC2	ITV	CH4
Brougher Mountain.....	22	28	25	32
Divis.....	31	27	24	21
Limavady.....	55	62	59	65

NORMALIZING PICTURE AND SOUND ADJUSTMENTS

Twin buttons are provided for adjusting picture and sound levels; press and hold in the + button for a progressive increase, or the - button to progressively decrease the effect. Whilst pressing any of these buttons a vertical cursor moves to the left or right along a bargraph display on the screen. The bargraphs are yellow in TV mode and white in Text mode.

When the receiver is first switched on or whenever the N (normalize) button is pressed, all picture adjustments and sound volume should be as you prefer them. To set-up, just use the remote control to adjust picture and sound as you wish.* After each individual adjustment press the red button whilst the bargraph is displayed and this will then turn red to indicate that the setting has been memorised.

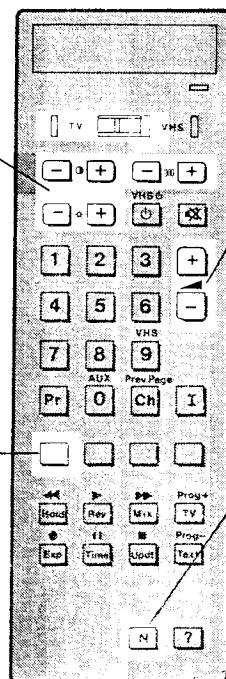
*Duplicate volume control buttons are also provided on the receiver

Picture Adjustments

With Colour 000 set at minimum, adjust Brightness * and Contrast * to produce a bright correctly balanced picture in which all the grey tones as well as the highlights and shadows are present in correct proportions. The Colour adjustment may then be made to give the intensity of colour preferred.

Red Button

Press to memorise adjustments



Volume Adjustments
Adjust to sound level required.

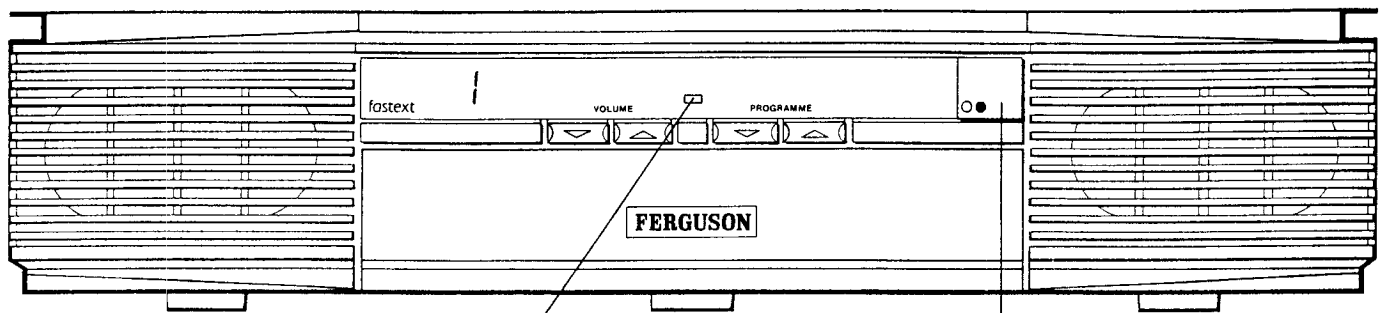
Normalize
Pressing this button resets any subsequent adjustments back to the memorised settings.

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DAY-TO-DAY OPERATION

TV PROGRAMMES AND VIDEO PLAYBACK

SWITCH ON AND SELECT PROGRAMME



Your television receiver will also accept commands from the remote control unit of certain Ferguson Videostar cassette recorders as mentioned in their Operating Instructions.

Standby Light. This light glows when the receiver is in standby.

1

Press to switch on. The number 1 should appear in the display and after a few moments the programme picture and sound should be obtained. Pressing the button again switches the receiver off.

NOTE: When power is restored following a supply failure, the receiver will switch on to programme 1 if it was in programme, channel or auxiliary mode when the supply failed. It will come back in standby if it had been in standby mode.

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When operating the remote control, point it towards the receiver indicator panel.

2

TV/VHS

Check switch is set to TV unless you wish to operate a video tape recorder that is suitable for remote control through the TV control unit, see page 9.

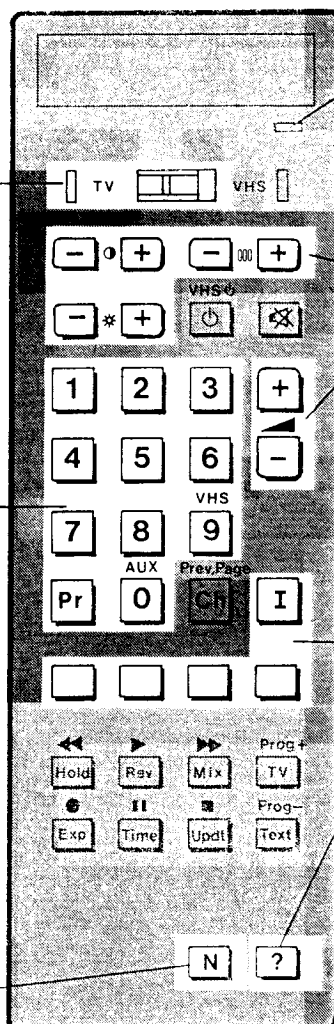
3

Programme Selection

To select an alternative programme, just press the numbered button required. Select number 8, 9 or 10 for video recorder or video disc playback. For peritelevision applications, select number 0; the letters *RU* will then appear in the front panel display and AUX on the screen to indicate auxiliary mode. For two-digit numbers, press the Pr button and the current programme number (both digits) will flash for 4 seconds. During this period, press the two numbered buttons required. Any number can be selected provided you insert a 0 before numbers 0 to 9 (e.g. 03).

Normalize

Pressing this button resets adjustments to the memorised settings.



This light flashes when a control button is pressed.

4

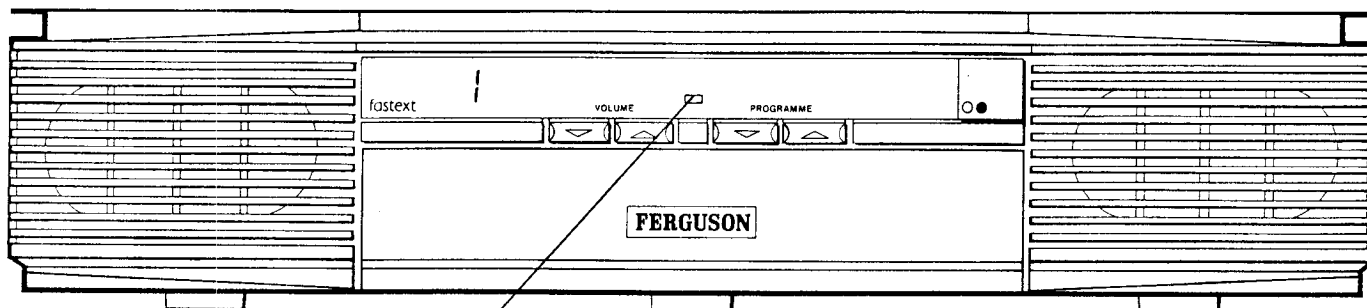
Picture and Sound Adjustments

Adjust as required. See On-Screen Graphics Displays on page 3 and also page 6.

On-screen Graphics

These buttons are used for on-screen graphics operation. See pages 3, 5 and 6.

ADDITIONAL OPERATING FEATURES



When receiver is in standby, this light glows continuously.

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When operating the remote control, point it towards the receiver indicator panel.


Standby (remote off)

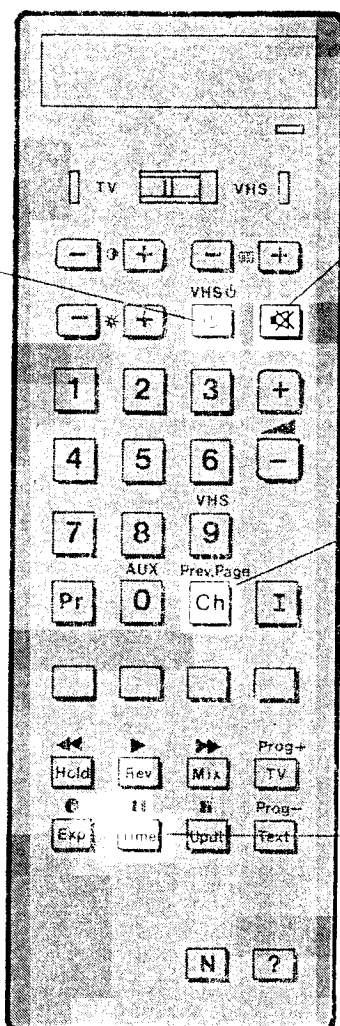
This button enables you to switch the receiver off and still retain your preferred settings of picture and sound controls. To switch off, simply hold the button down until the picture disappears and the standby light comes on to indicate that the receiver has switched to standby. Very little power is consumed whilst the set is switched off in this way. To switch on again from standby to the same programme that you were viewing previously, simply press the TV or Text button. To switch on to a different programme, press the appropriate Programme Selector button (3).

If the receiver is not going to be used for a long period of time, switch off at the receiver by pressing to release the OFF-ON button (1).

Limited Access Mode

If the receiver is put into standby and then the mains is switched off, it will remain in standby when switched on again. In this mode the receiver cannot easily be switched on except by the remote control. Thus hiding the remote control provides a simple child lock. See also Skip Select on page 5.

However, please note that the receiver can be switched on by pressing the PROGRAMME  button on the front panel for approximately 6 seconds, or by function switching via the Peritelevision socket (see page 13).



Mute

Press to mute sound, press again to restore to original level. Alternatively press the Volume + button which will increase sound from previous level, or press the N button which will return the sound level to the normalized level.

When the sound has been muted an on-screen graphics symbol is displayed in the top right-hand corner of the screen.

Programme Channel Number

Press the Ch button and the on-screen graphics will show the channel number of the programme you are viewing. The CH flashes for 4 seconds and during this period you can select any channel number by pressing the numbered programme buttons (2 digits).

If a channel number lower than 21 or higher than 70 is selected, then CH -- is displayed on the screen with the CH flashing for 4 seconds during which another channel number may be entered.

Time (Clock)

Provided the TV transmitter is also broadcasting TELETEXT signals, the teletext digital clock signal can be inserted in the normal TV picture by pressing this button. The digits representing hours, in 24-hour notation with minutes and seconds, appear at the top right-hand corner of the screen and remain until this button is pressed again.

NOTE: Selected Ferguson Videostar recorders can be operated by direct infra-red remote control, see page 2.

NOTE: Selected Ferguson Videostar recorders can be operated by direct infra-red remote control, see page 2.

The image shows the front control panel of a vintage VCR. At the top is a digital display screen. Below it is a switch for selecting between TV and VHS modes. The main control area includes a numeric keypad (0-9) and several function buttons. The buttons are arranged in a grid-like fashion. The VCR is shown from a slightly angled perspective, highlighting its physical design and the layout of its controls.

This switch must be set to VHS.

This light flashes when a control button is pressed.

Press to start playback. Ensure the TV receiver is set to programme 8, 9 or 10. When the Peritelevision socket is used see page 13.

If this button is pressed and held in during playback, fast picture search (reverse) is obtained. Rewind will be obtained if the recorder is in Stop mode.

Press and hold Record, then immediately press Play as well.

Press during playback for 'pause'. Press again as often as desired to advance the picture frame-by-frame. This button can also be operated in the record mode.

When the recorder is in use or in the 'Stop' condition, pressing this button will switch it to standby. To come out of standby press the Standby button again.

If this button is pressed and held in during playback, fast picture search (forwards) will be obtained. If the recorder is in the Stop mode, this button can be pressed to start fast forward wind.

Press repeatedly as necessary to select the TV programme you wish to record, as indicated on the video recorder.

Press to stop tape movement.

FAST ACCESS TELETEXT (FASTTEXT)

The teletext magazine 'Ceefax' is transmitted on the BBC1 and BBC2 channels, whilst 'Oracle' magazine is provided on ITV and on Channel 4 (or S4C) which also includes '4-Tel'.

An index is available on pages 100, 200, 300, 400, 500 and 600 of Ceefax, on page 100 of ITV Oracle and on pages 100 and 400 of Channel 4 (or S4C) Oracle. In addition the Broadcasters publish details of their teletext services. See also Fasttext Facilities on page 12.

As the 'pages' of information are transmitted in sequence, there is usually a delay before the page you want is displayed on the

screen. However, this receiver incorporates features which keep this delay to a minimum by providing speed and ease of access—see Fasttext Facilities on page 12. All pages have a single line identification 'header' which includes:

The page number you have selected.

The name of the magazine—Ceefax or Oracle.

The page numbers as they are being transmitted until the decoder locks on to the selected page number.

The day and date.

The programme identification, ITV only.

The time, including seconds.

On some pages an additional number, for instance 1/3, is displayed under the header line, at the extreme right-hand end. This represents pages where the information is too much for a single page and several pages are therefore transmitted in sequence; 1 to 2 to 3 and back to 1 to 2 and so on, allowing adequate time to read each. Any page which particularly interests you, however, can be 'frozen' for as long as you wish; see Hold.

Note: Do not attempt to adjust Colour or Brightness. Text contrast can be adjusted independently of TV contrast and may be stored in a similar way. There is no sound accompanying teletext and the TV sound will continue unless you mute it by pressing Mute.

SELECT MAGAZINE PAGES

When operating the remote control, point it towards the receiver indicator panel.

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Email: enquiries@mauritron.co.uk

1

TV/VHS

Check that switch is set to TV.

1

This light flashes when a control button is pressed.

Mute

Press if you do not want to hear the television sound — there is no accompanying sound with teletext.

2

Press Text to change from TV picture to the teletext magazine(s) of the programme you are viewing.

3

Mix

Press to obtain the television picture with the teletext information superimposed. You can press Mix while viewing either teletext or TV picture. All the teletext commands can be selected.

3

Use these buttons to select a teletext page. All pages are three-digit numbers. For example, to select page 251, press 2, then 5 then 1.

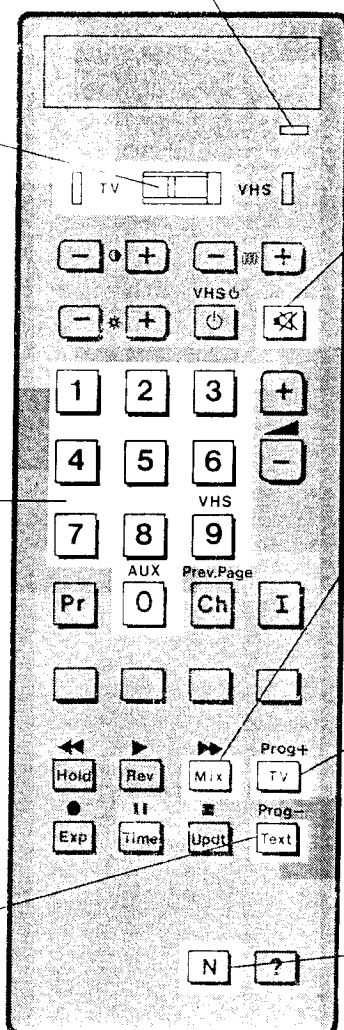
2

TV

Press TV to change from teletext to television. To change programmes in Text mode, press the Pr button followed by the required programme number (2 digits).

Normalize

Cancels the teletext additional facilities (e.g. Hold, Expand and Time) to give a full teletext page.



ADDITIONAL TELETEXT FACILITIES


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When operating the remote control,
point it towards the receiver
indicator panel.

This light flashes when a
control button is pressed.

Reveal

Some teletext pages include questions with the answers concealed. To display, press Rev. Press again to conceal.

This button also enables you to select a teletext page while viewing TV. Press and P--- appears at the top left-hand corner of the screen for 5 seconds. During this period, select a page number in the usual way. When the page you want is found a yellow (green if the page has been updated) text symbol  appears. Press Text to display.


Hold

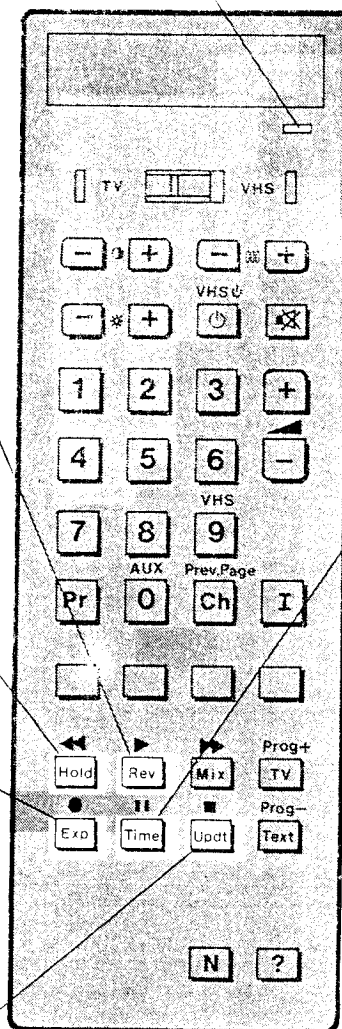
Some teletext pages are screened in a rolling sequence. You may freeze any page for as long as you wish by pressing the Hold button. You can also hold any page for viewing again later even if you change programmes or view TV in the meantime. Press again to restore rolling sequence.

Expand

Either the top half or lower half of a page can be enlarged to fill the screen for easy viewing at a distance by pressing the Exp button. Pressing the button once gives you the top half, pressing again gives you the bottom half, and pressing again reverts to full display. Alternatively press Text to return to full display.


Update

The TV picture is displayed when the Updt button is pressed but, as soon as the teletext page you have selected is updated, a green  symbol will appear in the TV picture. You can then press the Text or Mix buttons to see the revised page. If, however, a newflash or subtitle page is selected, the complete newflash or subtitle is inserted in the TV picture. That newflash or subtitle will be cancelled if the Updt button is pressed again but as soon as an updated version is transmitted, it will be inserted in the picture. You may use the numbered buttons to change programme if you wish but unless the alternative programme magazine has the same page number for newflashes or subtitles, you will have to return to the original programme to retain this service.




Time (Alarm Pages)

Teletext magazines may include an 'alarm' page which can be selected to act as a personal reminder while watching a TV programme.

To set the time for the alarm, select on teletext the page number for the programme you are viewing, then press the Time button. The page display at the left-hand end of the header line will be replaced by '---'. Enter the required time using the numbered buttons and 24-hour clock notation. Two digits must be used for hours and two for minutes. For instance, 9.45 pm must be expressed as 21.45. Having set the time for the alarm, press the Updt button to continue viewing the TV programme. At the set time the alarm indicator, including the symbol , at top left, will be inset into the TV picture. The inset can be removed by pressing the TV button.

When you return to teletext the Alarm page will still be selected for you to use again if required. To cancel and select other pages, press the Time button.

Additional use*: The Time button can also be used to locate one of the rolling (sub) pages and hold it as long as you wish. Select the page number and press the Time button. Then, instead of inserting a time, enter the sub page number required as follows: If the sub page number is less than 10, enter 00.0 then the page number. If it is 10 or higher, enter 00. and then the 2-digit number. The sub-page will then be located and the rest of the rolling sequence will not be displayed. You may use the Update facility for the information to be updated as changes occur whilst you watch the TV programme. A yellow  symbol will appear when the page is available. To return to the sub-page use the Text button. To return to rolling pages, press the Time button.

*At Broadcaster's discretion—not always available.

FASTEXT FACILITIES

This receiver incorporates an automatic feature which selects an 'initial page' of the Broadcaster's choice at switch-on or programme change. This will usually be an index page. In the absence of the required broadcast signal, page 100 will be selected.

However, if the page is 'held' or the receiver is in the update mode (see Additional Teletext Facilities on page 11), an initial page will not be selected on programme change. This facility is particularly useful for those who habitually view subtitles (e.g. the hard of hearing) for it means that if the subtitle page (currently P888 on all channels) is being viewed, subtitle function will transfer to the new programme automatically.

When operating the remote control, point it towards the receiver indicator panel.

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This light flashes when a control button is pressed.

Red, Green, Yellow, Blue

These buttons are used when coloured prompts or signposts appear at the bottom of the screen to give a fast method of page access. Press the appropriate colour-coded button to select the desired page. A different set of colour-coded prompts will then appear at the bottom of the screen ready for your next choice.

NOTE: Rapid successive pressing of the coloured buttons may result in a clear screen with a green rolling header line whilst waiting for the page to be transmitted.

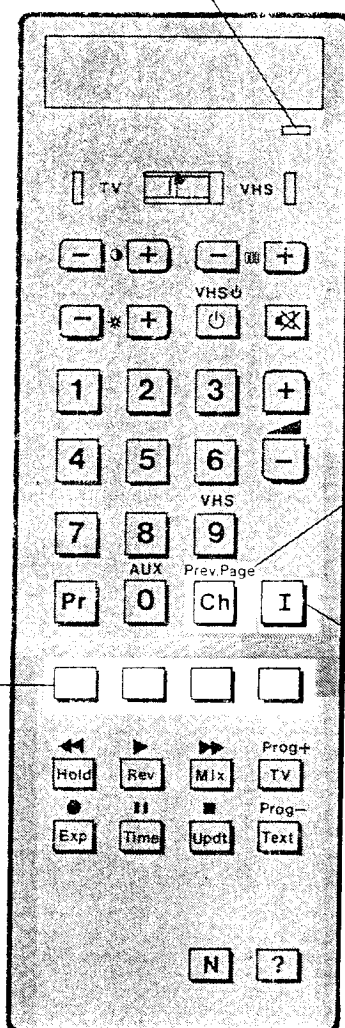
Previous Page

Press to get back to the previous teletext page selected. This is useful if you make a wrong page selection.

Index

Press this button to select the 'current' index page. For example, if viewing a news item page, then pressing **I** will select the news index. If the button is pressed again, the main index page will be selected.

The actual index page numbers selected are under the Broadcaster's control and in the absence of the required signal the initial page will be selected.



CONNECTING RECEIVER TO OTHER EQUIPMENT

This receiver incorporates a facility which provides a steady display free from jitter when used with a video recorder, home computer or video game. The facility is factory preset on programmes 8, 9 and 10.

PERITELEVISION (EUROCONNECTOR) SOCKET

A Peritelevision or Euroconnector socket, located at the rear of the receiver, can be used now and in the future to extend the facilities available for new programmes and visual displays.

This socket provides input connections to the television receiver to give improved results from many home computers and video games. It also allows direct audio/video connections to a video recorder, video disc or camera. It will be selected when programme 0 is chosen (the letters *HU* will then appear in the front panel display to indicate auxiliary mode and AUX will be displayed on the screen), or when equipment connected via the Peritelevision socket provides a suitable switching voltage on contact 8 as defined in the specification on this page.

If the television receiver is in standby and a switching voltage is present on contact 8, such as an input from a video recorder, then the receiver will come out of standby in the auxiliary mode.

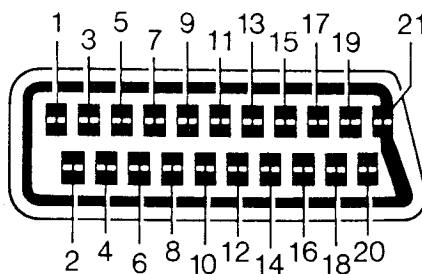
If the 0 (AUX) button is used to select or deselect the auxiliary mode, the switching voltage on contact 8 will be ignored. The switching facility can be restored by exiting from auxiliary mode using a programme number button or by using the PROGRAMME up/down buttons on the receiver front panel or VCR remote control unit. This feature allows contact 8 switching to be ignored if, for instance, more than one TV receiver's picture is taken from a single VCR (i.e. the VCR is connected via the aerial output socket to one TV and directly by a Peritelevision lead to the other TV).

To display external RGB signals, programme 0 must be selected and the equipment connected to the socket must provide a positive voltage between 1V and 3V on contact 16.

If no contact 16 information is available, select programme 0 and then press the Text button. The display will then show *HT*. To return to TV mode, press the 0 button.

In addition to its advantages for accessories such as home computers or video games, the facilities provided by the socket may also be used for add-on units giving reception of programmes from direct broadcasting satellites and cable distribution systems.

The socket is designed to meet British Standard BS 6552:1984.



*As viewed from the rear
of the receiver*

An optional lead type TA179 is available from your Ferguson dealer to enable playback through this receiver from Ferguson VCRs fitted with a Peritelevision socket.

Contact Function

- 1 Audio output B: nominal 0·5Vr.m.s.; $\leq 1k\Omega$ (20Hz-20kHz)
- 2 Audio input B: nominal 0·5Vr.m.s.; $\geq 10k\Omega$ (20Hz-20kHz)
- 3 Audio output A: nominal 0·5Vr.m.s.; $\leq 1k\Omega$ (20Hz-20kHz)
- 4 Audio common return
- 5 Blue return
- 6 Audio input A: nominal 0·5Vr.m.s.; $\geq 10k\Omega$ (20Hz-20kHz)
- 7 Blue input: 0·7Vp-p ± 3 dB positive going, 75 Ω
- 8 Function switching: +9·5V to +12V external input mode
- 9 Green return
- 10 No connection permitted
- 11 Green input: 0·7Vp-p ± 3 dB positive going, 75 Ω
- 12 No connection permitted
- 13 Red return
- 14 No connection permitted
- 15 Red input: 0·7Vp-p ± 3 dB positive going, 75 Ω
- 16 Fast blanking input: +1V to +3V for fast blanking switching, 75 Ω
- 17 Video return
- 18 Blanking return
- 19 Composite video output: 1Vp-p ± 3 dB positive going, 75 Ω
- 20 Composite video input: 1Vp-p ± 3 dB positive going, 75 Ω
Composite sync input: 0·3Vp-p -3dB +10dB negative going, 75 Ω
- 21 Common return

NOTE: Audio inputs/outputs A and B are identical; either may be used.

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