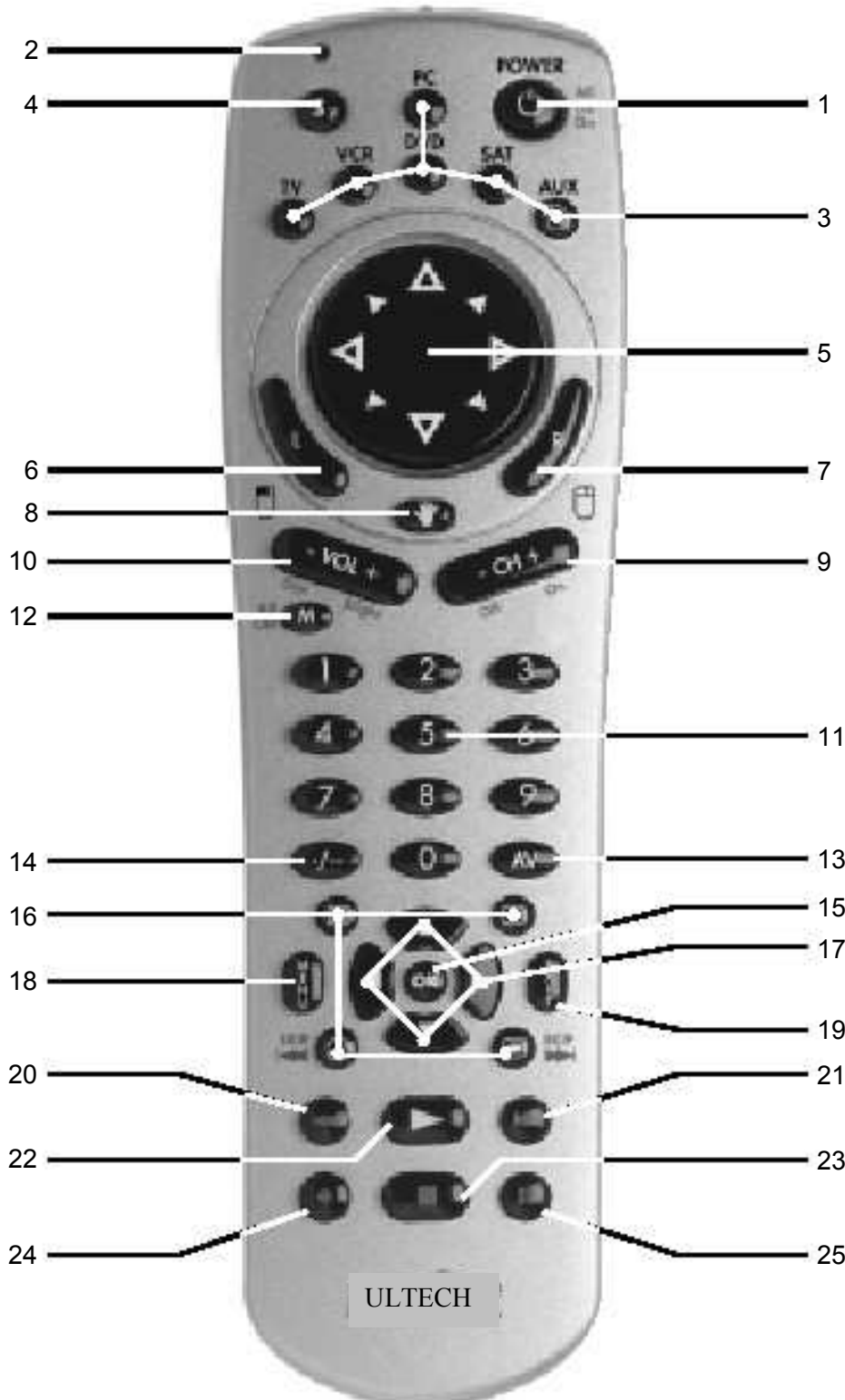


PC CONTROL REMOTE



General Security Note

Technical manipulation of the product or any changes to the product are forbidden, because of security and approval issues.

Please take care to set up the device correctly - consult your user guide. Children should use the device only under adult supervision.

Avoid the following

- strong mechanical wear and tear
- high temperature
- strong vibrations
- high humidity

Please also respect the additional security notes in the various user guide chapters. For questions not covered from the user guide please visit www.ULTECH.co.za.

To ensure correct set up please read the manual and security notes carefully.

Battery change

The device may only be used with 4 AAA alkaline batteries - never try to connect to another power supply. When inserting batteries be sure the right polarity is used. Remove the batteries when the device is not used for a longer period. Make sure that the batteries are not short circuited and are not disposed in fire (danger of explosion).

Batteries do not belong in children hands. Don't let batteries lay around openly - they might be swallowed by children or animals. If this happens see a doctor immediately.

Leaking or damaged batteries can upon contact with skin cause burning or acid damage - if necessary use suitable gloves.

Please dispose of batteries in accordance with local bylaws.

PC Control Remote

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1. Introduction

The PC Control Remote can be use as a Wireless Mouse Remote and as a Universal Remote Control.

To control a PC the PC Control remote works with the wireless USB receiver CM21A (included in your PC Control kit).

The PC Control Remote is designed to control up to 6 devices (TV, VCR, DVD, SAT, PC and Home Automation Modules or any other device under AUX mode key). The PC Control Remote contains a library of codes that are pre-programmed into the remote control. This library covers nearly all the audio video products on the market today.

2. Put in the batteries

(always use NEW AAA alkaline batteries).

1. Open the cover on the back of the PC Control Remote.
2. Insert 4 AAA alkaline batteries, verify that they are placed correctly with the + on the battery in the same position as marked inside the battery compartment.
- 3) PC operation

The PC remote works with the wireless USB receiver CM21A. The remote sends wireless RF signals to the CM21A receiver which is connected to your PC's USB port. The enclosed CD contains a special version of the popular ShowShifter software. You can use ShowShifter to control your PC's MultiMedia features. ShowShifter uses special fonts and big buttons to let you read the information from your PC screen from a distance. You are even able to display the information on your TV screen (to do this, your PC will need to have a TV out connection).

TIP: Did you know that you are able to connect your PC to your TV Wireless, even from another room? With the optional ULTECH PC to TV Sender (REF: 09516) you can. For more information, visit www.ULTECH.co.za.

3. PC Control operation

3.1. Software and CM21A installation.

1. Disable or turn off your anti-virus software before you install the software as some anti-virus programs interfere with the installation. Remember to turn on your anti-virus program when you finish the installation.
2. Install DirectX9.0a from the CD-Rom or download it from the Microsoft Website: www.microsoft.com/directx/homeuser/downloads/default.asp If you are running Windows XP, you do not need to install DirectX as it is already installed.
3. If you want to play compressed video files and MP3 files, install Windows Media Player 9 from the CD-Rom or download it from the Microsoft Website: www.microsoft.com/windows/mediaplayer/en/default.asp
4. Run ShowShifter installer from the CD-Rom. If the CD doesn't start automatically, run the file ShowShifter-Setup-1.55.2177.exe by hand.
5. During the installation, follow the on screen instructions. You will be informed about available upgrades of ShowShifter. You don't have to upgrade now.
6. The software installation will also launch the "X10 hardware(TM)setup" program which will install different X10 drivers on your system (including the CM21A driver). Follow the on screen instructions. At the appropriate point in the installation you will be instructed to plug the CM21A (uses the same driver as the CM19A USB Firecracker Transceiver)

connector into your PC's USB port and click "OK". When you do this, Windows will tell you it has found new hardware and will automatically install the CM21A driver.

Important note for Windows 98 and Me users

If after plugging in the CM21A USB receiver (X10 hardware(TM)setup), the "add new hardware" wizard starts, follow these steps (Be sure to have click on the OK button in the X10 hardware(TM)setup window BEFORE following these steps)

- a. Click next in this window.
- b. Select "Search for the best driver for your device (recommended)" and click next.
- c. In the new window, select "Specify a location", click the "Browse" button to search for the driver files.
- d. Go to your C: drive in the browse list and then select the folders "Program Files" "Common Files", "X10", "Driver Install," and finally "Wireless Transceivers."
- e. Click the OK button to use the driver files in that folder. Follow the instructions on your screen. If you are asked for the Windows 98 or Me disk, click "OK." Insert your Windows 98 or Me CD and browse to the "Win98" or "WinMe" folder. Click "OK."
- f. The "X10 USB Wireless Transceiver V2.36" should now be installed on your system.

7. When installation is completed, you will be asked to reboot your computer.
8. Once the computer is re-booted, ShowShifter will be launch automatically. You now will have to configure ShowShifter: follow the on-screen instruction. For a complete description of the software, please read the Help File provided with ShowShifter software.

3.2. Operation

ShowShifter allows you to use the remote control as a wireless mouse. You can use the mouse pad on the front of the remote to move the cursor around the PC screen and use the 2 buttons on the left and right of the of the mouse pad as the left and right click.

ShowShifter also allows you to plays DVD, CD, video files, music files and watch, record and pause (TimeShift) liveTV The remote control allows you to have direct access to the ShowShifter functionality (play, pause, etc. see paragraph 3.3 below).

For Internet radio, presentations and other applications which are NOT supported by ShowShifter, you can control your software through the mouse function. Via www.showshifter.com you can purchase the most recent version of ShowShifter.

Note To play a DVD, make sure you have a DVD drive and a compatible MPEG2 decoder installed on your PC. To play Video files, make sure you have the decoder for the file you want to play (MPEG4, Divx, etc...) installed on your PC.

To watch TV, make sure you have a compatible video capture card installed on your PC (see the list in help file or visit www.ULTECH.co.za).

For a complete description of the software, please read the Help File provided with the software.

3.3. Function of the remote's buttons in PC mode

[1] POWER

Close the application which is active. You will even be able to shutdown your PC remotely.

[2] RED LED indicator

The indicator light flashes when the remote is operating or lights continuously while you are programming the remote.

[3] PC

Press this key to select the PC mode and be able to use the mouse pad and control ShowShifter.

[5] Mouse Pad

Move the cursor around the screen.

[6] L

Left click.

[7] R

Right click.

[8]



Confirm the selection in ShowShifter.

[9] CH +/-

While watching TV: channel up or down.

While playing a DVD: next or previous chapter.

[10] Volume +/-

Master volume up or down.

[11] Numeric keys 0 - 9

In ShowShifter: direct access to menu items (icons).

While watching TV: Direct access to channel number.

While playing a DVD or a CD: Direct access to chapter or track number.

While playing audio files: Direct access to track number (if any).

[12] Mute

Turn on or off computer sound.

[14] --/-

Confirm the selection in ShowShifter.

[15] OK


Confirm the selection in ShowShifter.

[16]  Toggle between full screen/window screen (maximize/minimize).




go back one level (ie: if your are in the DVD screen, go back to main ShowShifter screen, if you are in main ShowShifter screen: close ShowShifter).



Skip  While playing DVD, CD or Audio file: previous chapter or track.



Skip  While playing DVD, CD or Audio file: next chapter or track.

[17] Navigation keys

Up, Down, Right, Left.

In showShifter: allows you to select menu items (icons).

While watching a DVD: allows you to navigate into the DVD menu.

[18] Menu


Toggle between full screen/window screen.

[19] Exit

Go back one level

If you are in the DVD screen: go back to main ShowShifter screen.

If you are in main ShowShifter screen: close ShowShifter.

[20] 

While playing a DVD: fast backward (x2, x4, x8...).

While playing a CD: fast backward.

While playing audio file: previous track.

While watching video file or TV (in time shift mode): move 15s, 30s, 1mn, 3mn,

5mn, etc... backward each time you press the key.

[21] 

While playing a DVD: fast forward (x2, x4, x8...).

While playing a CD: fast forward.

While playing audio file: Next track.

While watching video file or TV (in time shift mode): move 15s, 30s, 1mn, 3mn,

5mn, etc... forward each time you press the key.

[22]  Play

While playing DVD, CD, audio file, video file: Play the selected file, CD or DVD. If the file, CD or DVD is Paused, it will play from where you paused.

While watching TV (in time shift mode): Resume time shift mode, that means it will let you resume watching TV from where you paused.

[23]  Stop

While playing DVD, CD, audio file, video file: Stop the playback of the file, DVD, CD.

While watching TV (in time shift mode): Exit time shift mode and take you back to TV broadcast.

[24]  REC (record)

While watching TV: Start the recording of the current channel. Press the key 2 times to start the recording.

[25]  Pause

While playing DVD, CD, audio files or video files: Pause the playback of the file, DVD or CD.

While watching TV: Start time shift mode. This means that ShowShifter will start recording the selected TV channel but the picture will be paused. When you press Play, you can watch TV from where you left off, and ShowShifter will still record ahead for you as you watch.

3.4. Minimum PC Requirements


- Pentium III 800 MHz.
- 64MB RAM (128MB recommended).
- Minimum 300MB free space on Hard-Disk (1 GB recommended).
- Windows 98SE/Me/2000/XP.
- Compatible with almost any sound card and TV tuner card (see www.ULTECH.co.za for compatible devices).
- Latest version of DirectX (provided on CD).
- Latest version of Windows Media Player (provided on CD).
- Codec of the video files you want to play.

4. A/V Functionality

4.1 Functions of the keys in TV, VCR, DVD, SAT and Home Automation mode

[1] POWER

TV, VCR, DVD, SAT, AUX mode: Allows you to switch off the last selected appliance.


 mode: Turns All Lights on.

[2] RED LED indicator

The indicator light flashes when the remote is operating or lights continuously while you are programming the remote.

[3] PC, TV, VCR, DVD, SAT, AUX or Home Automation ()

These keys allow you to select the appliance you wish to control.

The AUX () key allows you to control any light or appliances connected to Home Automation (ULTECH X10) modules or to program and control any kind of devices such as a TV, satellite receiver, video recorder or DVD player. By default this key is pre-program to control home automation modules.

[4] SETUP

Allows you to program your remote before the first use. It also allows you to access to secondary functions of certain A/V appliances (Shift). Press the SETUP key followed by the function key you want.

[5] Mouse Pad

Pc mode only

[6] L

PC mode only

[7] R

PC mode only

[8]

PC mode only

[9] CH +/-


Select the next or the previous channel of your TV or SAT.

In DVD mode: next or previous chapter.

 mode: turns on or off the selected home automation module.

[10] Volume +/-

Allows you to controls the volume. You can control the volume of your TV even when you are in VCR, DVD or SAT mode. No need to select the TV mode.

 mode: brights and dims the selected Home Automation Module.

[11] Numeric keys 0 - 9

Work the same way as your original remote.

 mode: select Home Automation module address.

[12] Mute

Allows you to turn on/off the sound. You can control the "Mute" function of your TV

even when you are in VCR, DVD or SAT mode. No need to select the TV mode.

 mode: turns All Home Automation module off.

[13] A/V

Selection of an external source (SCART input).

[14] --/-

If you are in programming mode - automatic code search - you can confirm the code of the device you want to control. In connection with the numeric keys, this button allows you with some equipment to select directly channels higher than 9.

[15] OK

Confirms menu selection.

[16]  Teletext ON: Start/stop Teletext.

 Teletext OFF: Stop Teletext.

 Info: Displays information of the selected appliance.

 Teletext Hold: Stop page change in teletext mode.

[17] Navigation keys

Up, Down, Right, Left. Allows you to navigate into the menu (TV, DVD, etc).

[18] Menu

Menu On

[19] Exit

Menu OFF

[20]  Rew

In VCR, DVD or CD mode: This button works the same way as in your original remotes.

IN TV mode: Coloured key (Red), control of videotext or special equipment functions.

[21]  Fast Forward

In VCR, DVD or CD mode: This button works the same way as in your original remotes.

IN TV mode: Coloured key (Blue), control of videotext or special equipment functions.

[22]  Play

In VCR, DVD or CD mode: This button works the same way as in your original remotes.

IN TV mode: Coloured key (Yellow), control of videotext or special equipment functions.

[23]  Stop

In VCR, DVD or CD mode: This button works the same way as in your original remotes.

IN TV mode: Coloured key (Green), control of videotext or special equipment functions.

[24]  REC (record)

This key works the same way as the one on your original remote for your VCR. In order to avoid a mistake you have to press this key twice to activate this feature.

[25]  Pause

In VCR, DVD or CD mode: This button works the same way as in your original remotes.

IN TV mode: Coloured key (Magenta), control of videotext or special equipment functions.

4.2. Programming the TV, VCR , DVD, SAT and AUX modes

You can program the TV, VCR , DVD, SAT and AUX modes in three different ways.

1. When your equipment is one of the following six brands (Philips, Sony, Thomson, Saba, Grundig, Nokia) you can use the Brand Search method. Use method A in this case.
2. Are you using another brand of equipment ? If so, find your brand in the code book, and use method B to program your PC Control.
3. If the above two methods are not working, you can use method C and search for the codes manually or automatically.

Note: you can dedicate any appliance (TV, DVD, SAT...) to the VCR, DVD, SAT, or AUX keys.

Method A: Programming using the Brand Search method

If your brand is listed hereafter, you have the possibility to use the brand search method (faster than the "manual" and the "automatic code search").

Brand	Code	Brand	Code
Philips/Radiola Sony/Panasonic/JVC/Sharp	1	Telefunken/Saba/Normende	4
Akai/Toshiba/Daewoo	2	Grundig/Blaupunkt	5
Thomson/Brandt	3	Nokia/ITT	6

1. Turn on the device you want to control.
2. Press and hold SETUP (4) until the LED indicator (2) lights steadily. Release SETUP button.
3. Press the mode button (3) that matches the equipment you wish to control. The LED (2) blinks once.
4. Enter the code corresponding to your brand, point the PC Control Remote in the direction of your equipment, press Channel+ (9) once only. Continue to point the PC Control Remote at your equipment until the equipment changes channel (the remote control sends an IR signal every second. Please wait until your equipment reacts). When your equipment does react, press on the key --/- (14) to confirm. If you accidentally miss the code, you can stop the autosearch by pressing Channel- (9) and by repeatedly pressing this key return to the right code. Press --/- (14) to confirm.

Method B: Programming using the 3 Digit Code Tables

1. Make sure your equipment is switched on (for example TV).
2. Press and hold the SETUP (4) key until the LED indicator lights continuously. Release the SETUP key.
3. Press and release the mode key (3) of the device you want to control (for example TV).
4. Enter the 3 digit code from the Code Book by using the key pad (11). The LED (2) turns off after the last digit is entered. If you entered a wrong code the LED blinks for 3 seconds and then goes off. You have to repeat from step 2.
5. Point the remote in the direction of your TV and press the POWER button (1). Your device should turn off. Check other functions (for example for a VCR FF or REW, etc.). If certain functions are not responding, this indicates that the entered code is not the correct one. In that case repeat the above procedure with the next corresponding code of your brand.
6. Repeat this procedure from step 1 for the other equipment you want to control (VCR, DVD, SAT).

If your equipment (TV, SAT etc....) does not respond, try the other codes for your brand. If it still doesn't respond, try the manual or automatic code search method

Method C: Manual or automatic code search

When searching an unknown code, you can step through the library manually or automatically. When your equipment responds, you can stop the searching process and store the code you found.

Note: as you can dedicate any appliance (TV, DVD, SAT...) to the VCR, DVD, SAT or AUX keys, you first need to enter any 3 digit code for the kind of appliance you wish to control (found in the code book), i.e.: If you want to program a SAT under the AUX key, enter ANY SAT code found in the code book and then follow the steps below.

Manual code search

1. Make sure your equipment is switched on.
2. Press and hold SETUP (4) until the LED indicator lights steadily. Release SETUP
3. Press the mode key (3) that matches the equipment you want to control (for example TV).
4. Press Channel+ (9) repeatedly until the channel changes. If you step past the correct code use Channel- (9) to go back to the right code.
5. When the equipment you want to control reacts press --/- (14) to confirm the code.
That's all.

Note: If your equipment doesn't have Channel+ you can use PLAY (VCR or DVD) (22) or POWER (1) key. The search starts after the last registered code. If that was 030, the search starts at 031 until the last possible code and then goes from 000 to 029.

Note: if certain functions of your equipment can't be controlled you will have to find a different code for your brand.

Automatic code search

1. Turn on the device you want to control.
2. Press and hold SETUP (4) until the LED indicator (2) lights steadily. Release SETUP button.
3. Press the mode button (3) that matches the equipment you wish to control. The LED (2) blinks once.
4. Press Channel+ (9) once. After a few seconds the remote starts stepping through the code library (fast search, 1 code per second). When the device responds, you can press Channel+ (9) to switch to slow search (1 code per 3 seconds). You can step back by pressing Channel- (9) (you can step forward by pressing Channel+ (9) in case you went too far back).
5. As soon as the device responds again, press the --/- key (14) to store the code you found.

4.3. Identifying codes found

1. Press and hold SETUP (4) until the LED indicator (2) lights steadily. Release SETUP.
2. Press the mode key (3) for the equipment you want to identify (TV, VCR, DVD, SAT or AUX). The LED blinks once.
3. Press again SETUP. The LED blinks once.
4. To identify the first digit press each number button from 0 - 9 (11) until the LED blinks. The number you pressed is the first digit of the code.
5. Press each number key from 0 - 9 as above to find the second digit.
6. Press each number key from 0 - 9 as above to find the third digit. When the third digit has been found the LED will go off.

4.4. Default Volume Control for satellite

Because some SAT decoders may not have volume control, the PC Control remote can control the television's volume in SAT mode (no need to select TV mode). To choose the equipment that the Mute and Volume keys will control in SAT mode, just proceed as follow:

1. Press and release the TV Mode button (3) - remote must be in TV mode for this procedure.
2. Press and hold SETUP (4) button until LED remains on.
3. Release SETUP button.
4. Press and hold the Mute (12) key for approximately 8 seconds. LED will stay off for the 8 second period, then blink once to indicate volume default acceptance and then remain off.
5. Remote volume default is now set.
6. If the PC Control remote was previously controlling the television volume in SAT mode, it will now control the volume of the satellite decoder. If it was previously controlling the volume of the satellite decoder, it will now control the volume of the television.


5. Controlling home automation modules

The PC Control remote allows you to control all electric appliances you have in your house. In addition to transmitting infrared signals, which controls your TV, VCR, SAT, DVD and AUX, your remote is equipped with a radio transmitter sending ULTECH X10 signals, which will enable you to control lamps and electric appliances from a distance.

Here are some examples that you can do with your PC Control remote using home automation mode:

- Switch on/off, dim lights while you watch TV.
- Switch on the lights at night to frighten intruders when you detect something suspicious.
- Switch on your electric blanket before the film ends to have it warm when you go to sleep.

For controlling your lamps or appliances, you will need additional home automation modules. The modules are simply plugged into AC outlets with no additional wiring required. Visit www.ULTECH.co.za for more information.

To switch on/ off an appliance plugged into an home automation module: Press the  key (3), then press the unit code of the home automation module on the key pad (11) and then press CHAN+ / - (9).

To dim/bright a light plugged into a home automation module: press its unit code on the key pad (11) and then press VOL+ / - (10).

To turn ON all the home automation Lamp modules: Press the Power key (1).

To turn Off all the home automation modules (Lamp and appliance): press the Mute key (12).

5.1. Changing the home automation House Code


The preset house code is A and in the majority of cases it is not necessary to change this setting except if there is interference from neighbouring ULTECH X10 systems. In that case:



1. Press and hold SETUP (4) until the LED lights continuously.

2. Release the SETUP (4) button.
3. Use the digit keys to enter the number equivalent to the chosen home code (1=A, 2=B, ... 16=P).
4. Press the --/- (14) to confirm your command. The LED will turn off.

Note : The code you have chosen has to be the same as the one selected on the Transceiver module TM13 or the security console, with which you use your remote.



5.2. Programming the Home Automation IR/RF mode

Your PC remote control can control your electric appliances using infrared signals (via an infrared mini-controller IR7243) or RF signals (via a transceiver module TM13). The  key is set to RF mode by factory setting.

To program the  (AUX) key to send an Infrared signal, proceed as follow
Press and hold SETUP (4) until the LED indicator (2) lights steadily. Release SETUP.
Press and release the  (AUX) key

Enter the 3 digit code 821.

The LED (2) turns off after the last digit is entered. If you entered a wrong code the LED blinks for 3 seconds and then goes off.

To program the  (AUX) key to send radio signals, proceed as follow
Press and hold SETUP (4) until the LED indicator (2) lights steadily. Release SETUP.
Press and release the  (AUX) key

Enter the 3 digit code 820.

The LED (2) turns off after the last digit is entered. If you entered a wrong code the LED blinks for 3 seconds and then goes off.

6. Troubleshooting

A/V mode

The remote doesn't work or loses codes entered

- Confirm with your original remote that the equipment works correctly.
- Make sure that you have pressed the corresponding mode key of the equipment or device that you want to control.
- If the listed code does not work, try the AUTOSEARCH method or enter the next code of that brand.
- Check that the batteries have the correct polarity position.
- The programming of the remote requires 4 AAA Alkaline batteries (new). If the remote loses codes within a few days/weeks the problem can be solved by using 4 new batteries from the same brand.
- If the LED is lit permanently, in general it will be necessary to replace the batteries.
- Set the remote back to factory default (see end of this paragraph).

PC modes

NO mouse or PC operation at all

- ensure the remote is in PC mode by pressing the PC button before you operate the mouse pad, mouse buttons or any of the other keys.
- Ensure that the CM21A Receiver is plugged into your USB port.
- Ensure that a compatible driver is loaded (by installing ShowShifter software see 3.1).
- Set the remote back to factory default (see end of this paragraph).

Home automation mode

The transceiver module doesn't respond to the remote

- Check the house code of the Transceiver Module is set to A. If you have change the Housecode on the remote (see 5.1), check that it matches the Housecode on the module.
- Check that you have power to the AC outlet where the transceiver is plugged in.
- Check that your remote is programmed with the RF code (see 5.2.)

The transceiver Module works, but other modules don't respond

- Check that the module has the same Housecode as the Transceiver Module.
- Try plugging the Module into a different AC outlet.
- Set the remote back to factory default setting (see end of this paragraph).

How to maximize the RF range

To obtain the best RF range, locate the receiver as far away from your PC as possible. This is to avoid unwanted interference of the PC Control's signals, due to RF radiation from your PC's microprocessor.

How to set the PC Control Remote back to factory default

- Press and hold SETUP (4) until the LED indicator (2) lights steadily. Release SETUP.
- Press and release the STOP key (23) twice.
- Press and release the MUTE key (12).
- The LED (2) turns off after few seconds.

For more information, software updates and FAQ's VISIT WWW.ULTECH.CO.ZA

Important

The PC Control must be used only in the way described in this instruction manual and may not be used for a purpose not intended.

