



Operation of the Tracer Mobile DVR Remote Control Centre Software

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Introduction

This guide will assist you with the set-up and operation of the Remote Control Centre (RCC) software, the software provide for connecting to and downloading from the Tracer Mobile DVR.

It is necessary to establish a 'network connection' between the Tracer Mobile DVR and the PC or Laptop where the RCC software is installed. Upon commissioning the Tracer Mobile DVR following installation, the engineer will have configured the unit to the settings outlined in the following pages. Where a Laptop has been provided as a part of the original equipment supplied, this will have been configured accordingly and therefore you should be able to skip the information on networking and proceed straight to details concerning operation of the software.

Please read each section of this guide as it will help your overall understanding of how the system operates, most of the answers required in troubleshooting operation of the software can be found in the following pages, however if you need telephone support from an engineer please contact us on 01782 644496.

Networking/PC Requirements

You need to make a 'connection' between the Tracer Mobile DVR and the computer being used to review and download the footage.

The RCC (Remote Control Centre) software is used to connect to and download recorded video footage from the Tracer. This software operates on computers with the Microsoft Windows XP Operating System.

Every computer is identified by an I.P. address, four blocks of up to three digits each, separated by a dot. Unless specified by the customer the I.P. address of the Tracer is default set at 192.168.1.32 (network mask 255.255.255.0), and so the PC must be configured to be in the same address range*, such as 192.168.1.1.

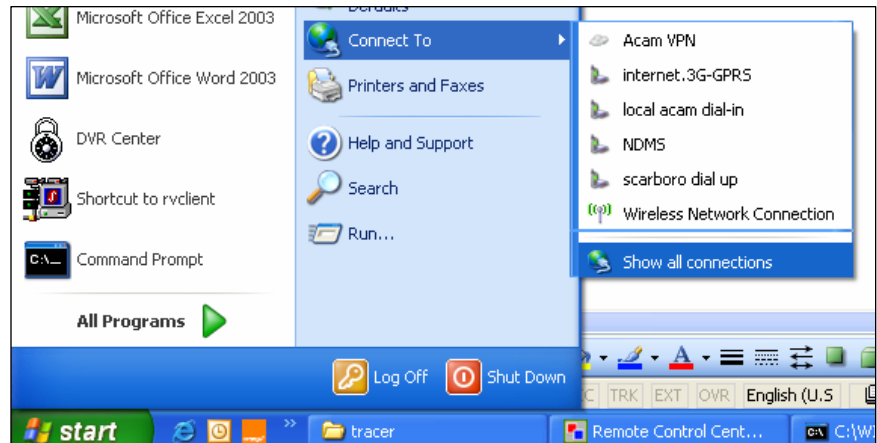
*If your computer network operates off a different IP range then the Tracer may be altered in the settings mode and can also be used in DHCP environments where users are familiar with this networking approach.

A 'crossover' network cable (provided) plugs into the Tracer (into a silver socket labeled 'LAN' within the wiring loom) and the other end into the network socket of the PC/Laptop. When the link is made a green LED at the Tracer socket, and normally a green LED (can vary) on the PC network adapter card, will light to indicate a 'LINK' is present.

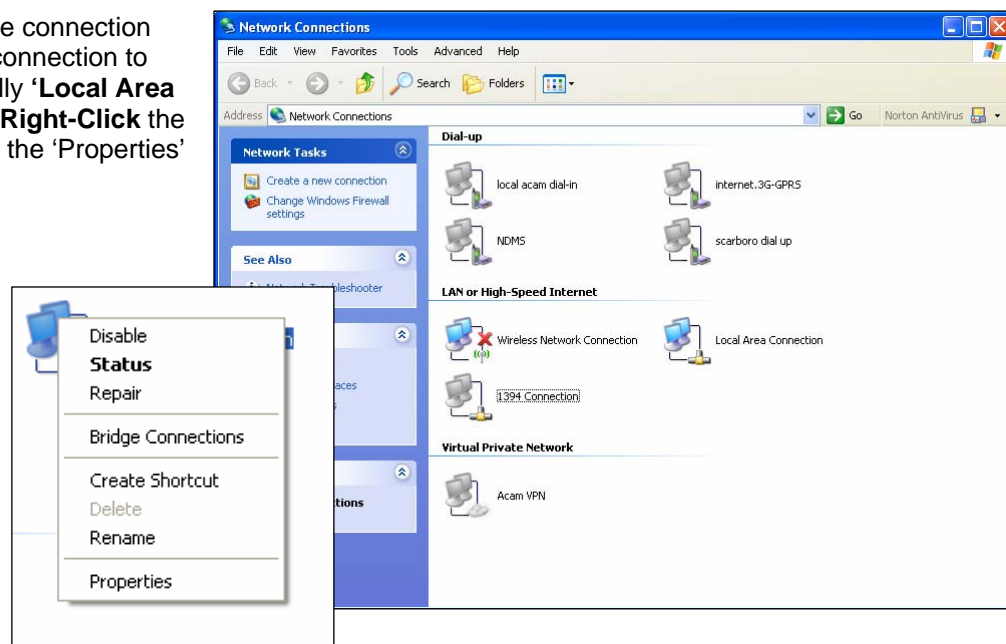
Configuring the PC Network Address

1. Click the windows 'Start' then select 'Connect to' and choose 'Show all connections'.....

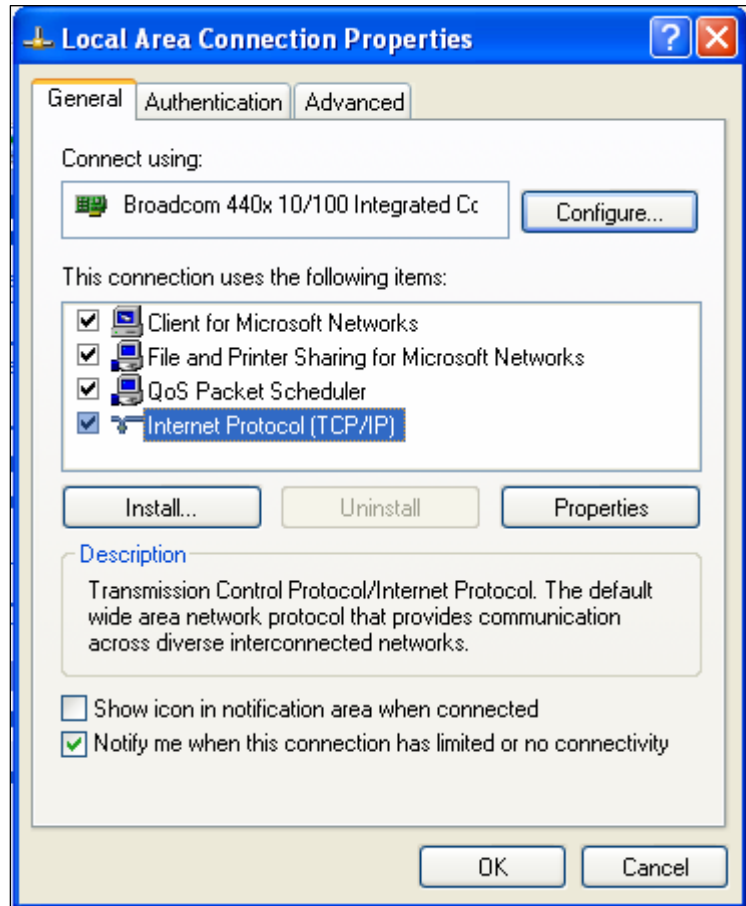
(Optionally use 'Control Panel' settings and select 'Network Connections')



2. Then choose the connection icon that has the connection to the Tracer, normally 'Local Area Connection' and Right-Click the mouse to bring up the 'Properties' selection



3. Within the 'Properties' select 'Internet Protocol (TCP/IP)' and either double-click or click 'Properties'



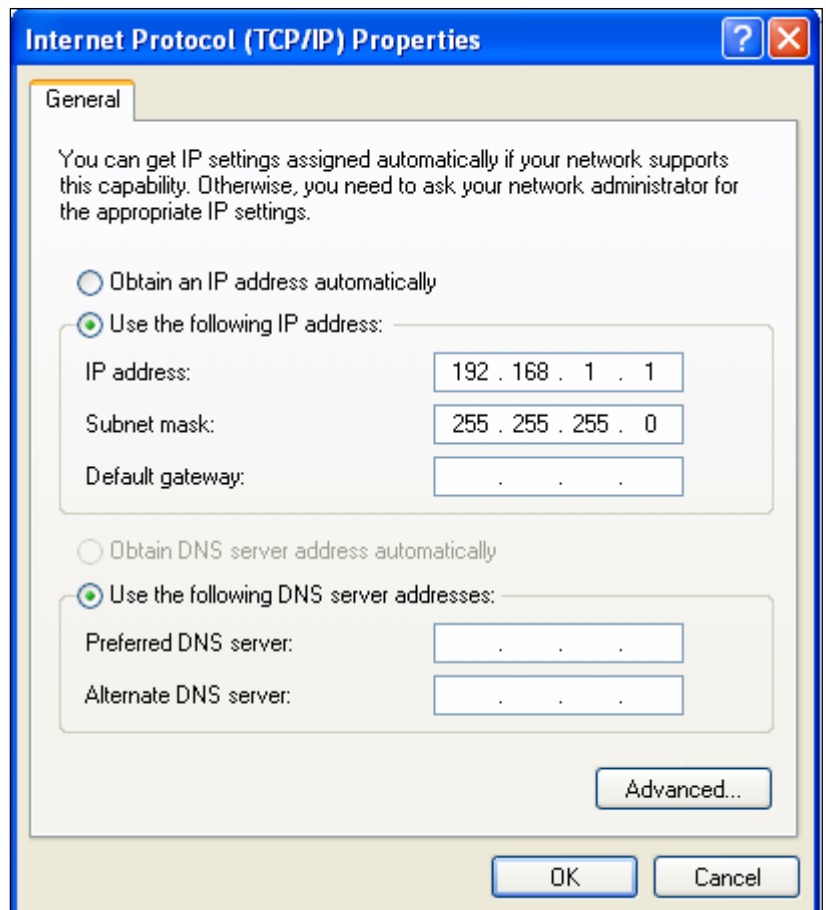
4. It is important to note the current settings, before change – as depending on the PC usage the settings will have been configured to suit your network. (Typically set to 'Obtain an IP address automatically'.)

If the IP address should now be changed to 192.168.1.1 and the Subnet Mask set to 255.255.255.0

The remaining settings should be left blank as shown.

Then click 'OK', and 'OK' on the properties page.

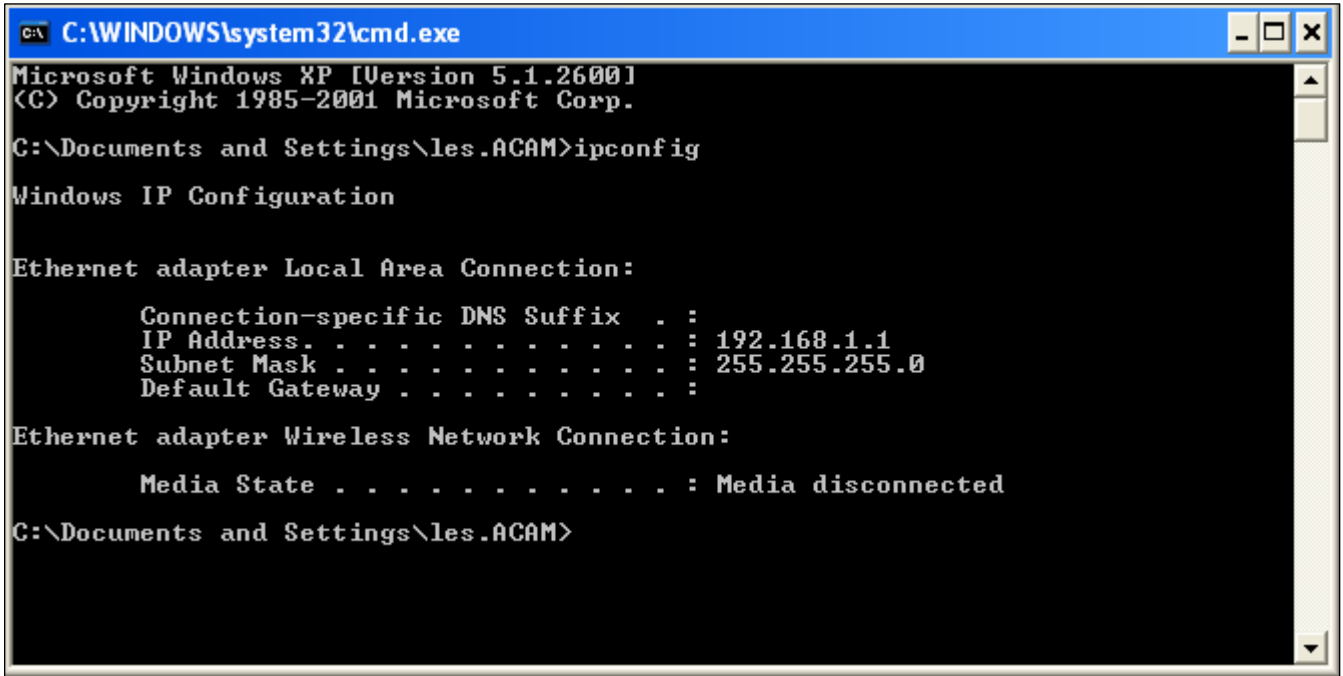
A few seconds later the 'wait' timer will disappear, and then the PC connection is configured.



Networking verification

As an optional step, the I.P. address can be verified by using commands, entered into the 'command' prompt. To call up the command prompt, click the windows 'Start' logo, and choose 'Run' and enter 'cmd' into the text box and click 'OK'.

At the command box, enter 'ipconfig' as a command, and press the enter key.



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\les.ACAM>ipconfig

Windows IP Configuration

Ethernet adapter Local Area Connection:

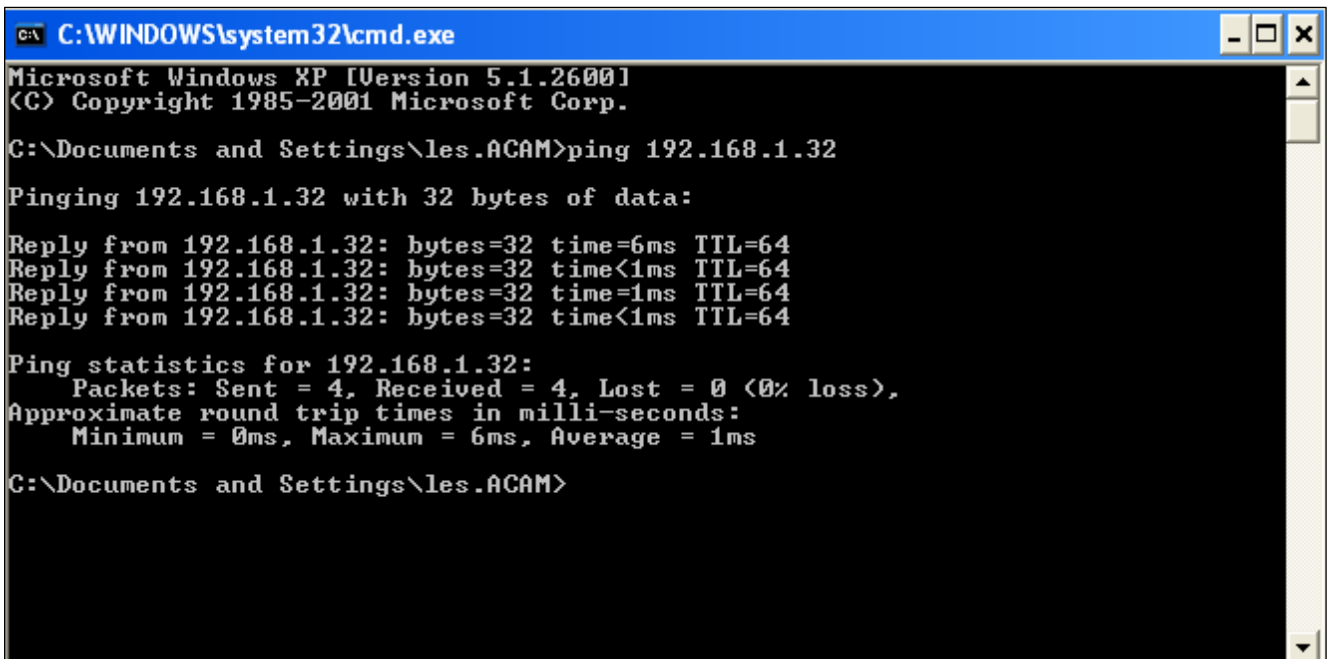
    Connection-specific DNS Suffix  . : 
    IP Address. . . . .               : 192.168.1.1
    Subnet Mask . . . . .            : 255.255.255.0
    Default Gateway . . . . .        : 

Ethernet adapter Wireless Network Connection:

    Media State . . . . .            : Media disconnected

C:\Documents and Settings\les.ACAM>
```

The response should be as above, to verify the PC I.P. address change was successful, and now to establish connection enter another command, 'ping 192.168.1.32' and press the enter key.



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\les.ACAM>ping 192.168.1.32

Pinging 192.168.1.32 with 32 bytes of data:

Reply from 192.168.1.32: bytes=32 time=6ms TTL=64
Reply from 192.168.1.32: bytes=32 time<1ms TTL=64
Reply from 192.168.1.32: bytes=32 time=1ms TTL=64
Reply from 192.168.1.32: bytes=32 time<1ms TTL=64

Ping statistics for 192.168.1.32:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 6ms, Average = 1ms

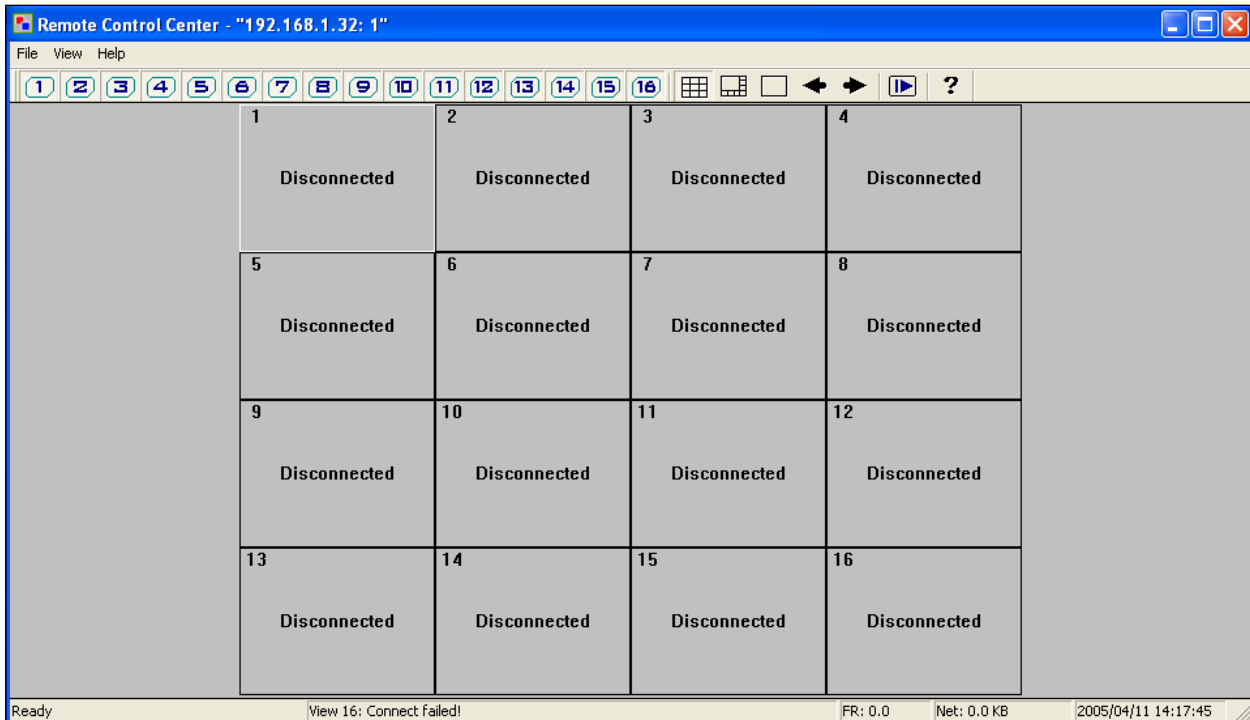
C:\Documents and Settings\les.ACAM>
```

A reply indicates successful communication to the Tracer unit.

RCC Operation:

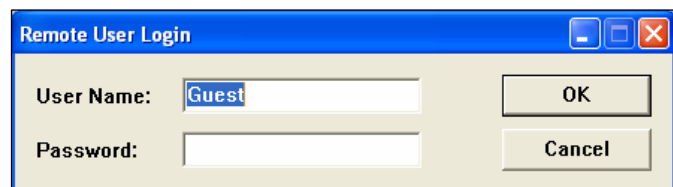
The remote access program called RCC is on the CD, and can be copied to a convenient location on your PC, and ran by double clicking the icon:

This will start the RCC, with the following initial display:



And assuming a correct connection established, right-clicking any of the 16 video panels and selecting 'connect' will display the login box:

The default user is 'Guest'
The default password is '123456'



If correct entry and match, then live video will be displayed. Right-clicking any other panel and connecting will no longer request user name and password.

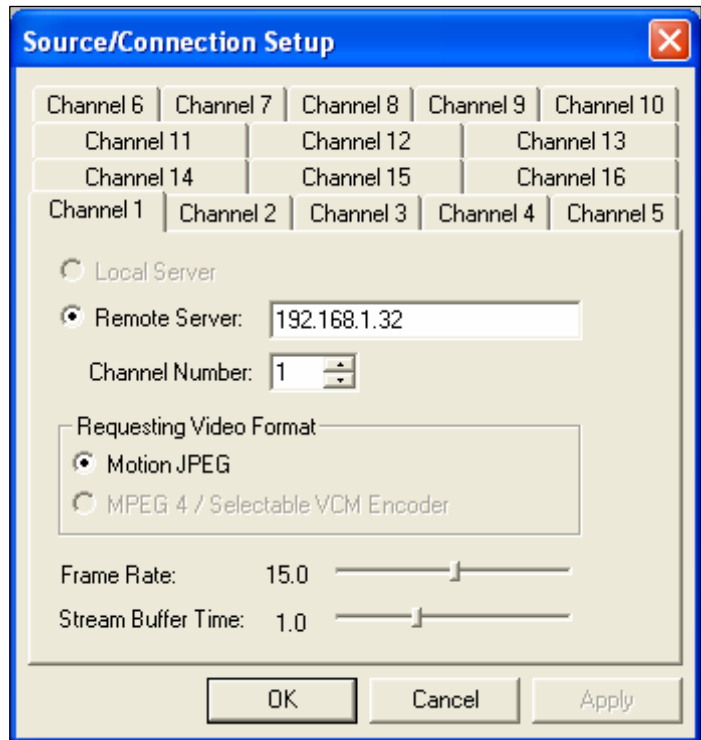
In the 'view' option (top task bar) it is possible to 'close all' followed by 'open all' to quickly open all video channels.

Initial Configuration

If this is the first time the RCC has been used it will require configuration, to preset the I.P. address used per channel. Again, 'View' option, and select 'Source/Connection Setup' to display the following:

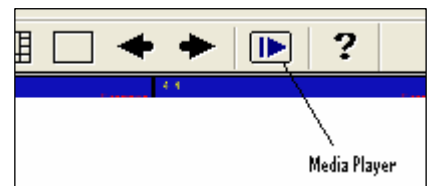
For each channel used, the remote server I.P. address or 192.168.1.32 has to be entered, leave the frame rate / buffer time at default.

This is a one-time setting, and once completed click 'OK'.

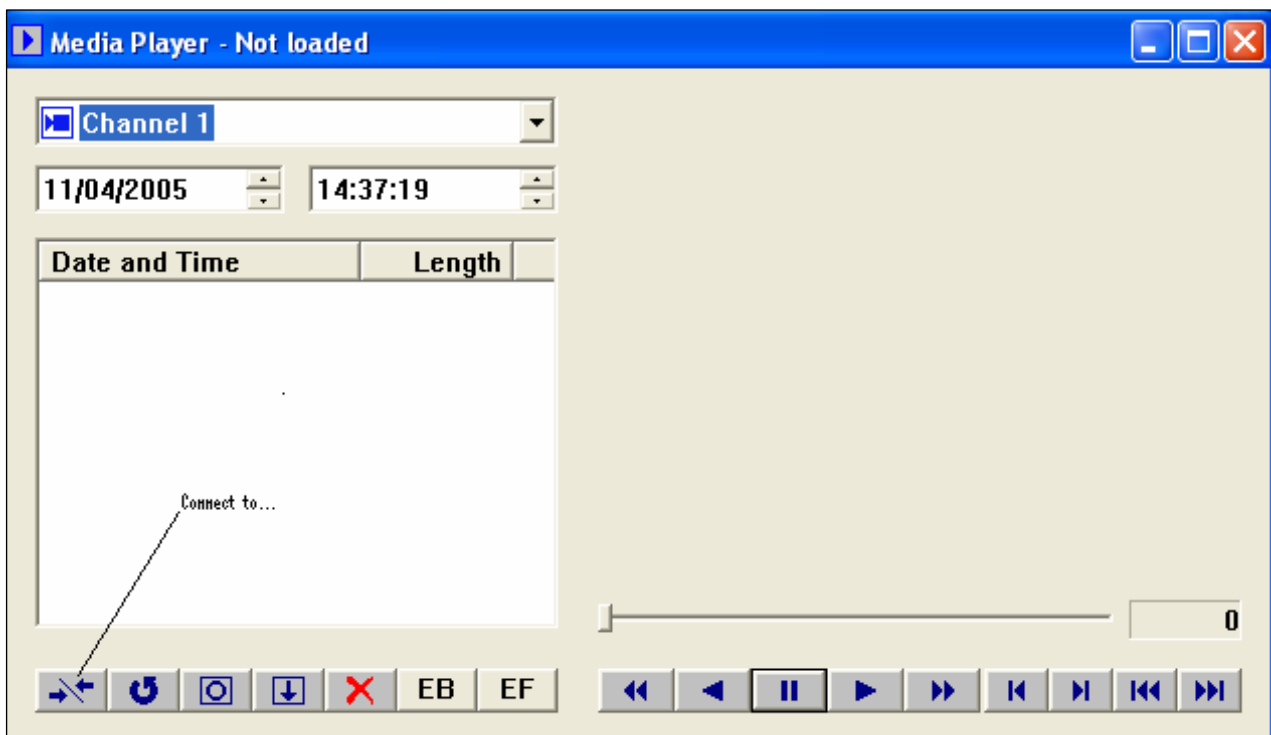


Reviewing Recorded Video:

At the top of the RCC display are selection icons, and one is for 'open new media player' (each icon has context help, by 'floating' over the icon.):



The media player has to make a connection to the Tracer, as selected by the 'connect to...' icon (two facing arrows bottom left).

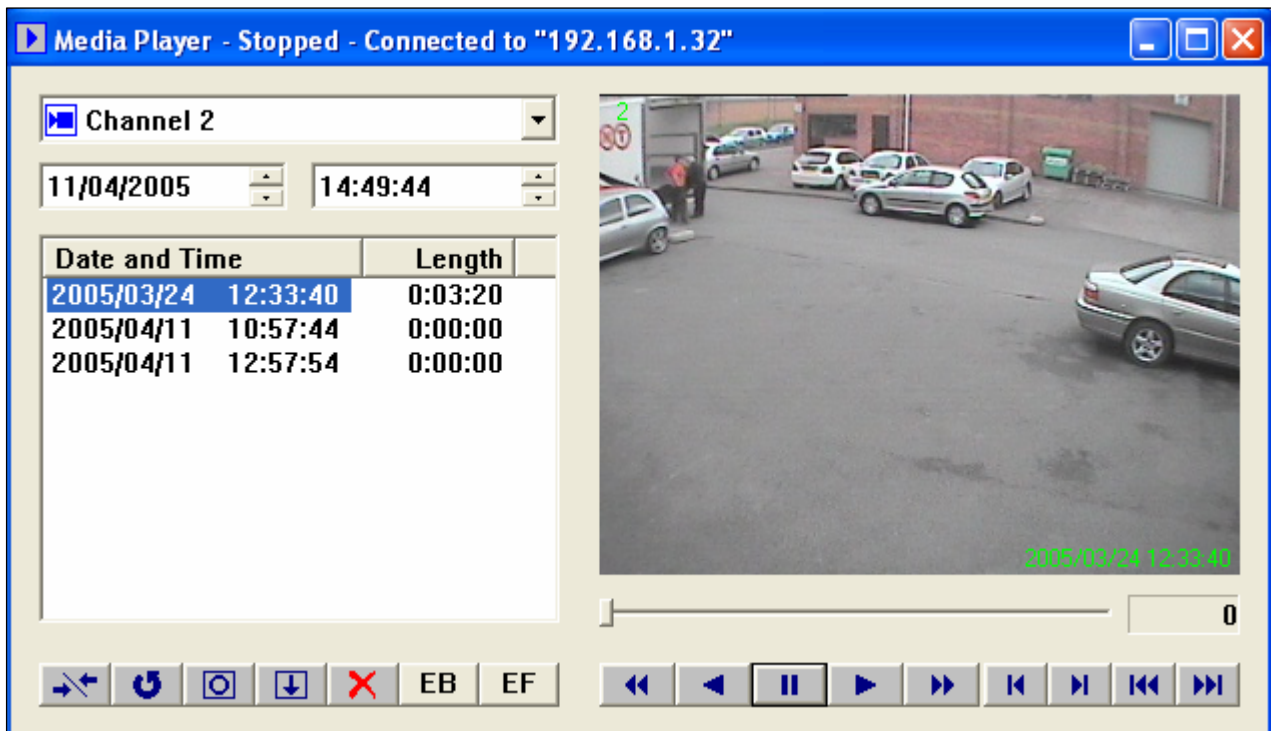
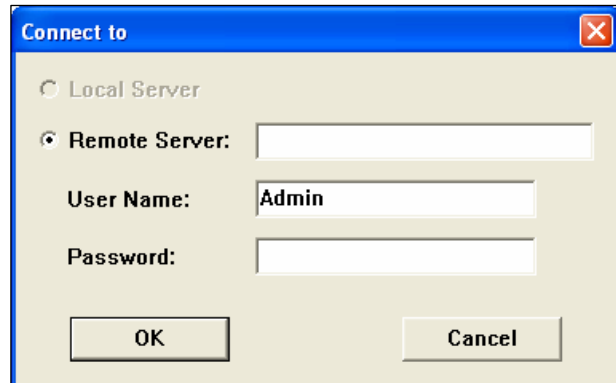


The media player must make a connection as 'Admin' with the default password of '123456'.

Also the Remote Server I.P. address should be entered. (Default 192.168.1.32)

The media player will then list the available files (invariably one hour segments) per camera selection and on the day specified. (Begins with last date).

Selection of any file then brings up the video, which can be played forwards, backwards or 'scrolled' by dragging the slide bar.



Within the media player are functions to frame step, backwards and forwards, a frame counter – and the time stamp is overlaid into the video itself.

'Event Filters' can be setup to look for certain types of events (Video Motion/Trigger inputs – if used).

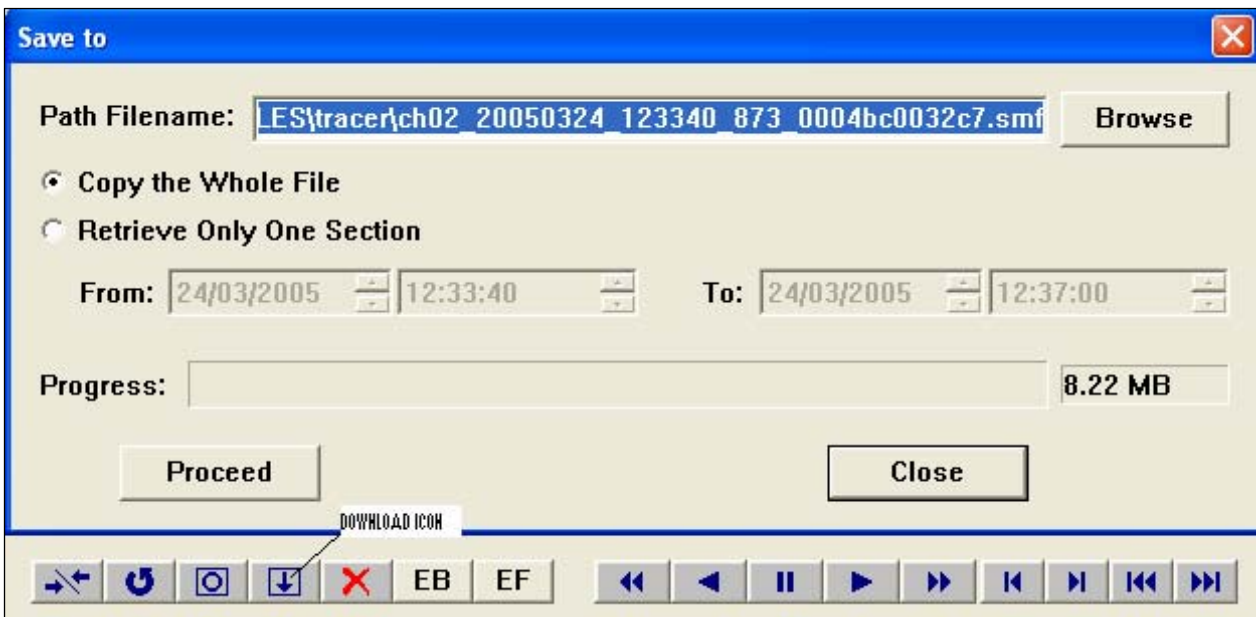
A snapshot function will extract that one current frame in BMP format to the PC – or print directly.

The reload icon will download again the index file.

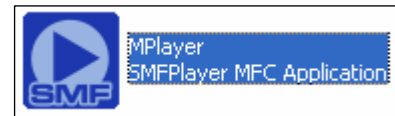
As 'Admin' logon was used, it is also possible to delete each segment, verification of request is required.

Downloading Video from the Tracer

Clicking the 'Save As' button (downward facing arrow) within media player will display the following download selection screen, where the destination can be changed, and adjustments to the download time period for that channel can be made:



The file will be downloaded, and can be subsequently viewed by the 'SMF Player' (also supplied on the software CD):



Converting to windows AVI Format

Within the 'file' options of the SMF Player the file can be converted and saved as an industry standard AVI format.

Further information and support available from;

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