Using ClipWay over BGAN

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This document provides recommendations on the use of ClipWay software over the BGAN network. It explains its features and benefits, how to set up ClipWay for use over BGAN, the equipment needed and the customization required for use with BGAN.

Overview

ClipWay is video transmission software specifically designed to work with BGAN. It allows files to be transmitted to and from anywhere in the world. Thanks to its unique triple play modes (capture, compression and transmission), ClipWay is the ultimate broadcast solution for professionals in the field.

Product range

ClipWay software comprises the following:

- **Capture**: ClipWay allows you to record video directly from a DV cam (or analog camera with a converter). Once the DV cam is connected to your computer, you can control your video tape from the capture module.
- **Compression**: Video needs to be compressed before transmission. ClipWay offers four different compression qualities, tailored to your needs.
- **Transmission**: ClipWay implements a special transmission protocol that gets the best from BGAN bandwidth. The transmission protocol is more efficient than standard FTP software and uses unique features to utilize maximum bandwidth over the BGAN IP service. In case of disconnection in the course of transmission, sent data is not lost. Automatic reconnection is initiated until the transmission is complete.

Typical users

- Independent journalists.
- Field engineers, governments
- NGOs
- Security organizations
Key features
ClipWay offers the following main features over the BGAN network:

- A unique transmission protocol specially optimized to maximize available bandwidth over BGAN IP.
- Auto resume feature.

Benefits to BGAN users
ClipWay offers you the following main benefits:

- Easy to use software tool for BGAN users, that supports all BGAN terminals and IP services
- Optimized for BGAN to deliver video files in a fast and efficient way

Set-up
This section explains how to set up ClipWay for use with the BGAN terminal.

Pre-requisites

- Computer with Pentium M 2 GHz CPU, 512 Mbytes of RAM, XGA display, 80 GB Hard Disk, IEEE1394 plug (firewire), Ethernet adapter or WiFi (802.11) adapter, Windows XP SP2
- Ethernet cable, USB cable or WiFi adapter
- DV Camera
- Firewire cable

Setting up ClipWay

1. Connect your camera to the computer using a Firewire/IEEE 1394 plug.
2. Launch ClipWay.
3. Click on the Capture button. Capture your video (in NTSC or PAL format).
4. Click on the Compression button. Select the compression quality, and run the compression.

Transmission over BGAN

1. Once the Capture and Compression steps, described above, are complete, connect your BGAN terminal to your computer.
2. Open BGAN LaunchPad, and open a standard IP or streaming IP connection.
3. Run ClipWay’s transmission module.
4. Select your recipient from the IP destination list.
5. Transmit using ClipWay.
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ClipWay configuration

- First capture and compress video via ClipWay.
- Then transmit with ClipWay's transmission module via BGAN.
- The recipient receives the video clip directly in their computer via the ClipWay server (the ClipWay server can be downloaded directly from ClipWay's website, free of charge. Go to www.clipway.com)

Equipment Needed
- DV camera or analogue camera with DV converter
- Windows laptop (or any PC type)
- BGAN terminal
Technical summary

<table>
<thead>
<tr>
<th>Feature</th>
<th>ClipWay capture module</th>
<th>ClipWay compression module</th>
<th>ClipWay transmission module</th>
</tr>
</thead>
<tbody>
<tr>
<td>Camera connection</td>
<td>IEEE 1394 (firewire)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Video input codec</td>
<td>DV</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NTSC &amp; PAL support</td>
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<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Compression quality</td>
<td></td>
<td>Choice of 4</td>
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<tr>
<td>Video output codec</td>
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<td>WM9</td>
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<tr>
<td>Store and forward</td>
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<td>ClipWay protocol</td>
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<tr>
<td>Files transmission</td>
<td></td>
<td>Any files (video files and any type of files)</td>
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<tr>
<td>Software solution</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Operating systems/platform supported</td>
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<tr>
<td></td>
<td>Windows XP SP2</td>
<td>Windows XP SP2</td>
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<tr>
<td>BGAN standard IP and streaming IP support</td>
<td></td>
<td></td>
<td>Yes</td>
</tr>
</tbody>
</table>

Further details and support

Inmarsat contact:
Customer_Care@inmarsat.com

ClipWay contact details
Juliette Crombé, Marketing Manager, ClipWay
e-mail : jcrombe@clipway.com

Michel Notté, Media Applications Engineer, ClipWay
e-mail : mnotte@clipway.com

www.inmarsat.com/bgan

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