

Using ClipWay over BGAN

Version 1.0

27.09.06



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

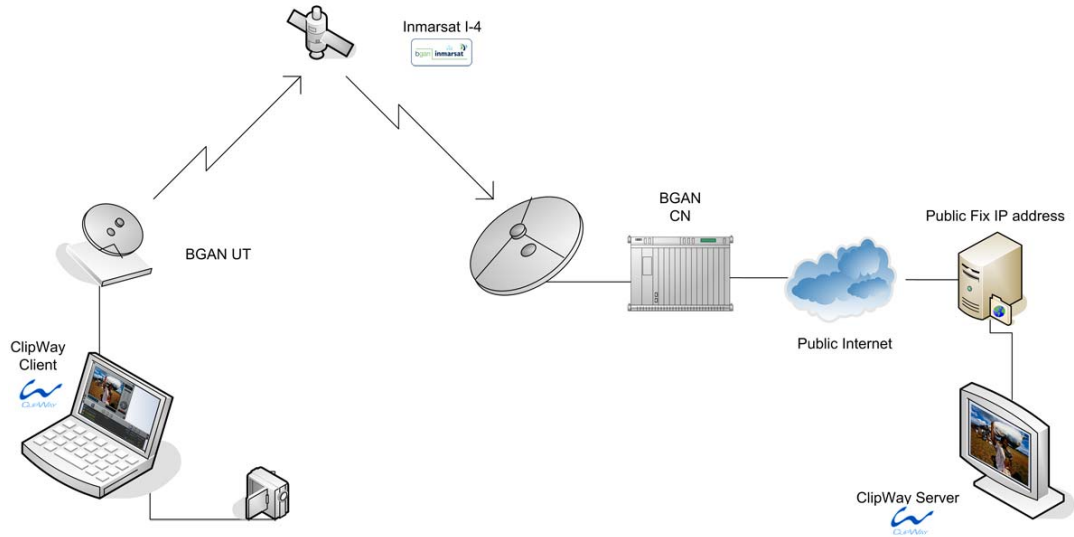
Setting up ClipWay

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.

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

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

Further details and support

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ClipWay contact details

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