

BARTHE'S DUPLICATOR

Stephanie KABELA

Company BARTHE

Paris / France

E-mail : info@barthe-audio.com

Abstract

1. About Barthe's Company

The company Barthe is a leader in the design and manufacturing of audio products and presentation equipment for education. From its beginning in 1927, Barthe has grown to be a true innovator in the educational electronics market. Our aim is to enhance the teaching and learning experience through innovative classroom technology.

In addition to the numerous students and teachers who use Barthe products, more and more businesses and associations are using Barthe audio and presentation equipment for training and instruction. We look forward to providing innovative products for years into the future.

*The last product as regards innovation developed by the company is **the Duplicator : the All-in-one USB Copier***

2. Description Of The Duplicator

2.1 Introduction

As simple to use as a **photocopier**, the Duplicator Barthe is a **stand-alone** USB Duplication System which provides a fast and easy way to copy a folder containing any kind of data for instance MP3, MP4, pdf to 35 USB flash memory drives. It can also be used to copy 35 USB flash memory drives onto one flash memory drive.

2.2 Duplicator As Simple Usb Duplication System

It is the easiest way to copy large amounts of data from one USB drive to up to 35 targets at the same time. The daisy-chain of 3 systems together allows the copy of data to a maximum of 105 USB flash memory drives.

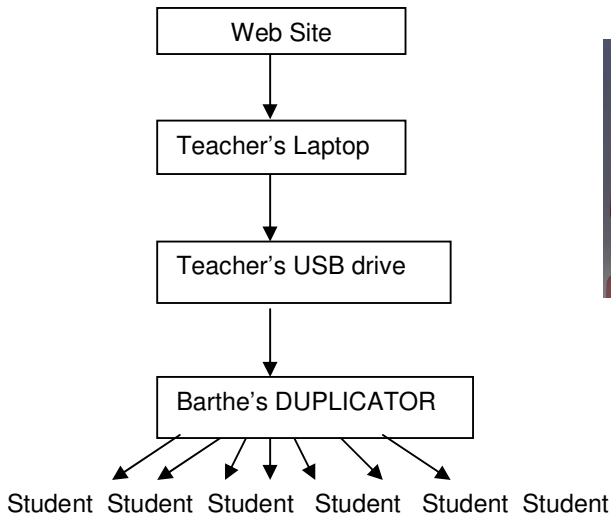
2.3 Duplicator As Mp3/Mp4 Duplication System

The aim of the duplicator is to facilitate the transfer of documents from the teacher USB device towards the students USB devices **and also** from the student's ones towards the teacher's one. Simply load up the teacher's USB MP3/MP4 player with lessons, podcasts or documents and the Duplicator duplicates it to 35 students player at the **touch of a button**. Moreover the duplicator allows to transfer 35 audio documents from the students' MP3 player to the teacher's player, it is the gathering of audio proposal. Generally students' MP3/MP4 players are equipped with battery. The duplicator was also designed to charge batteries of the 35 MP3/MP4 players. For instance in 30 minutes of charge the Duplicator ensures 2 hours battery life of Barthe's MP3 players and in 1h30 the battery of Barthe's players are charged to more than 90% which represents around 7 hours life for Barthe's MP3 players. A led indicator lights red when batteries are in charge and switch off when the charge is more than 90 %.

Some teaching situations where the Duplicator is required :

- **The Duplicator in the Podcasting chain.**

Fig. 1 The Podcasting chain



The teacher downloads audio documents he will records on his USB device in order to transfer to his students. It can involve any type of audio documents such as interviews, radio or tv broadcast... To transfer the file, he has 3 possibilities :

- **The web site** : The teacher asks the students to get directly the document on the web site. It implies that students have computer with high-speed internet.
- **The local server** : the teacher stores the document on the school server. The students will then have to connect to this sever to get the podcasted document on their MP3/MP4 players. It implies that the teacher beforehand sets up a server in the school and has computer skills to do it.

- the Duplicator : during the classrooms he transfers these documents to his students devices by pressing the button. It does not require any special skills and the teacher makes sure each student retrieves the document.

The duplicator allows the students to have the teacher's podcasted file without need of neither computer nor Internet. Moreover the transfer can be done directly in classrooms considering to the speed of copy. Finally the teacher can charge the student's MP3/MP4 batteries so the students can immediately work.

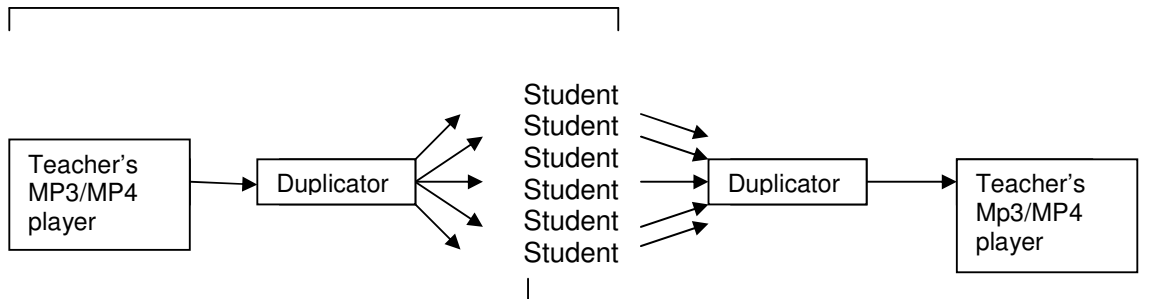
- **Oral training with MP3/MP4 players** : the teacher records oral exercises to make at home. The Duplicator allows to transfer the exercise to the 35 student's MP3/MP4 players. In this way each student could work at home the audio document at his rhythm. They can listen to the audio document as often as they want . On teacher's request, they can record themselves and the teacher can easily gather in the work from the 35 students at the following lesson.

• **The control of audio knowledge in classrooms by listening or by recording :**

1) At the beginning of the class, the teacher distributes MP3/MP4 Players on which he recorded an interview. At the same time he distributes a cloze test. Each student connects his headphone and works individually on his document in order to replace the missing words. By the end of the class the students give back the MP3/MP4 player and their test. The Duplicator allowed to copy the audio document and to distribute it to the students.

2) Each student can also record himself on his MP3/MP4 player within the framework of the exercise and the teacher collects all audio proposals at the end of the exercise. In this case the Duplicator allowed to copy the audio document, to distribute it to the students and to collect the audio proposals : it is the gathering of audio works.

1) Distribution and listening of teacher's audio proposal



2) Gathering of student's audio proposal

Fig 2 . the Control of knowledge

2.4 Duplicator Specification

Operating Mode :	stand alone (No Computer required)
N° of drives :	up to 35 drives
Daisy Chain :	3 Systems together for up to 105 targets
Copy Options :	1 Source up to 35 targets
Data collection :	up to 35 Targets to one Source
Erase Function :	will erase multiple memory sticks (only on student position)
Copy Speed :	USB2.0 high speed
Charge function :	Charge batteries of each Mp3 Player with control of the charge
Type of drives :	any combination of USB2.0

2.5 Frequently Asked Questions

Q. Do I need my computer to use the duplicator ?

A. No, The Duplicator is a **stand alone** system which does not require any computer

Q. Can I copy to different sized USB memory devices at the same time ?

A. Yes, as long as they are all USB compatible devices

Q. Can I copy any type of document ?

A. Yes, Any type of file can be copied

Q. Can I copy to or from my MP4?

A. Yes. Any devices which can be connected to a USB socket can be linked to the Duplicator

Q. When I copy on my USB memory device, will it erase the content of my USB stick?

A. No but you will erase the content by pressing the button Erase (only student position)

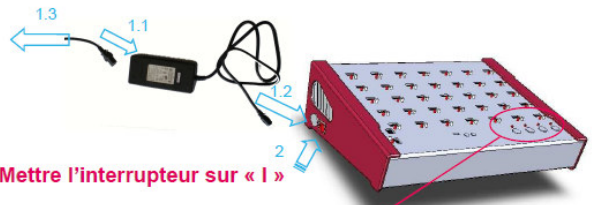
2.6 Illustration Of Duplicator's Use

BARTHE

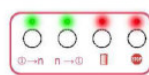
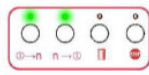
PRISE EN MAIN RAPIDE DU **DUPLICATOR**

A Préparation du Duplicator

1. connecter le bloc secteur



2. Mettre l'interrupteur sur « I »

A l'allumage:  Duplicator prêt à fonctionner: 

B Mise en place des clés/mp3s

1. mise en place de la clé/ mp3 maître :
 La LED verte s'allume



2. mise en place des clés / mp3s élèves:
 Les LED vertes s'allument

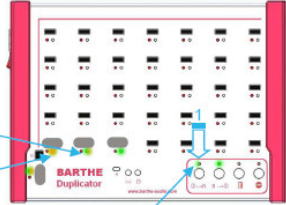
www.barthe-audio.com

C Copie de une vers plusieurs

1. Appuyer sur le bouton ①→n

La clé/mp3 en cours de copie clignote ambre

Les clés/mp3 copiées sont ambres



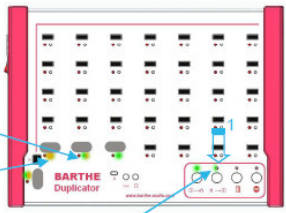
NE PAS DEBRANCHER EN COURS DE COPIE La LED ①→n clignote tant que la copie est en cours

D Copie de plusieurs vers une

1. Appuyer sur le bouton n→①


La clé/mp3 en cours de copie clignote ambre

Les clés/mp3s copiées sont ambres



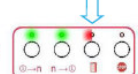
NE PAS DEBRANCHER EN COURS DE COPIE La LED n→① clignote tant que la copie est en cours

E Effacer

Appuyer sur  jusqu'à ce que la LED s'allume.



Rappuyer immédiatement : la LED clignote



Seules les clés/mp3s élèves sont effacées

F Arrêt

Appuyer sur  l'opération en-cours s'arrête. Le Duplicator est réinitialisé.

