# Instruction manual Giga 3+

**Mobile photo hard drive incl. 40GB hard disc.
For digital photographer GIGA 3+ is one of the most innovative and economical solution for solving the problem of having not enough storage space. Please read instructions carefully before first use of your GIGA 3 +.**
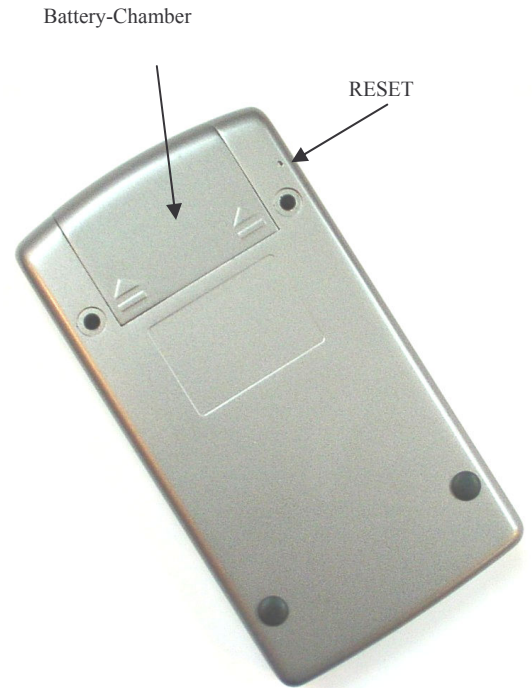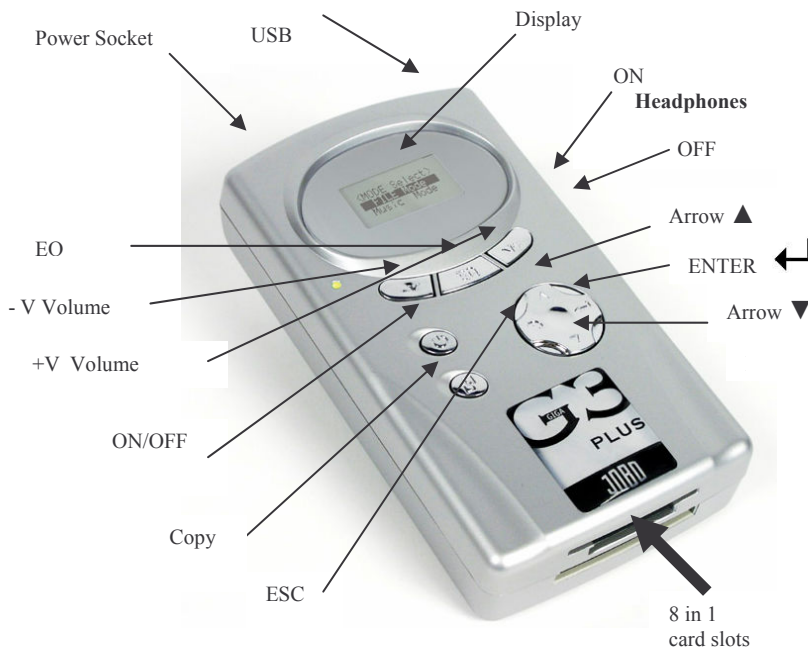
## Contents

## 1. Content

- Giga 3+ with 40GB HDD
- AC power adapter
- Lithium Ion battery

- USB cable
- Driver CD
- Instruction Manual
- Headphones

## 2. Exterior Structure

Battery-Chamber

RESET

Power Socket

USB

Display

ON

Headphones

OFF

Arrow ▲

ENTER

Arrow ▼

EO

- V Volume

+V Volume

ON/OFF

Copy

ESC

8 in 1 card slots

## 3. Key Functions

| | |
|---|---|
| **ON/OFF** | - switches device on/off |
| **COPY** | - fast copy/function |
| | |
| ↵ | - ENTER |
| **ESC** | - back to main menu |
| **▲/▼** | - choose menu up/down |
| | |
| **- V** | - Volume control down |
| **+ V** | - Volume control up |
| **EQ** | - Menu for MP3 and record function |

## 4. Displaying symbols of the main menu

CF HD

CP
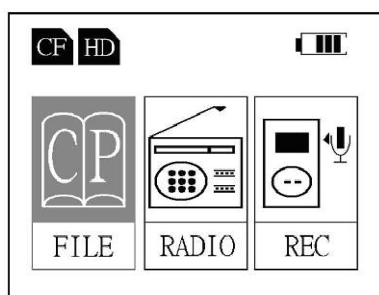
FILE     RADIO     REC

| | |
|---|---|
| **FILE** | - File Management |
| **RADIO** | - FM Radio |
| **REC** | - Record Function |

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| | | |
|---|---|---|
| **HD** | Symbol HDD | - shows activated hard disk |
| **CF** | Symbol CF-card | - shows inserted flash memory (CF,SD,MS,SM) |
| Socket | Symbol charging battery | - shows working AC power adapter |
| | Symbol Battery | - shows battery status – maximum 4 bars |

Symbol **FILE** - Enter the data management menu (files and MP3)

Symbol **Radio**- Enter the radio function
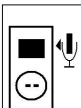
Symbol **REC**  - Enter the recording function

5.	**System Support**
	WIN 98SE / 2000-SP3/ ME / XP-SP1 /for  MAC 9.0 – 9.6, or higher

6.	**Supported flash cards**
	CF I, II, Micro Drive, SM, SD, MMC, MS ,MS-Pro, MS-Duo-Pro
	(XD with adapter)

7.	**How to use the different flash cards**

**Note**
JOBO grants no warranty for wrong insertion of flash cards and duely damaged slots.

## 8.      Inserting the battery

8.1     Insert battery
- Open the battery chamber while pushing the cover in direction of the arrows
- insert socket in the right position.
- put in battery and close the battery chamber.

8.2     Charge battery
- battery needs 2-3 hours to be fully charged.
- before first use, battery should be charged for 3 hours.
- for charging GIGA 3+ put in AC power adapter in the power socket
  and connect with power.
  You can use the AC adapter for 100 to 240 V.
- while charging battery the red LED is on, left of the display.
- battery charging is finished, when LED is changing from red to green.
- when power adapter is connected, next to the battery symbol a power plug is being displayed ▐▐▐ .
- with full charge of battery you can:
  download about 8 GB data.
  listen to about 8 hours of MP3.

## 9.      Connecting AC power adapter
Giga 3+ can be connected with supplied AC power adapter for usage or for charging the battery. The power socket is based on the upper side of the device.
**Warning!**
**Never use another power adapter for GIGA 3+ even when it seems to work with it.  Using wrong power adapters can severely damage the Giga 3+!**

## 10.      Switch on/off Giga 3+
- press **ON/OFF** button – display turns to cool blue and shows "**Jobo - For your best Image**" claim for 2 seconds.
  After that the main menu is being displayed - "**FILE, RADIO, REC**".
- to switch off, press **ON/OFF** button.
- For saving energy the colour backlight of the display is switched off after 10 seconds, and the whole device is switched off after 30 seconds when not in use.

# Quick guide for GIGA 3 +

## 11. Quick guide

### Download from Flash Cards

| | | |
|---|---|---|
| - | switch on Giga 3+ | press **ON/OFF** button |
| - | enter flash card into GIGA 3+ | |
| - | start fast copy | press **Copy** button |
| - | transfer successful? | Display shows → **OK** |
| - | loss of data ? | Display shows → **NG (no good)** |
| | | if NG is shown save flash memory before reformatting the flash card! |

### Datamamagenement (Picture or MP3 files)

| | | |
|---|---|---|
| - | switch on Giga 3+ | **ON/OFF** button |
| - | choose FILE menu | ▲ ▼ |
| - | choose data source | **ESC button** → ▲▼ → ↵ |
| - | choose file or folder | ↵ → ▲▼ → ↵ |

### Manage Data Source

| | | |
|---|---|---|
| - | switch on Giga 3+ | **ON/OFF** button |
| - | choose FILE menu | ▲ ▼ |
| - | choose data source | **ESC button** → ▲▼→ **Copy** ↵ |
| - | choose operation | ▲▼ |
| - | ENTER | ↵ |

### MP3 Function

| | | |
|---|---|---|
| - | switch on Giga 3+ | **ON/OFF** button |
| - | choose FILE menu | ▲ ▼ |
| - | choose data source | **ESC** button → ▲ ▼ → ↵ |
| - | select MP3 file | ↵ → ▲ ▼ → ↵ |
| - | change settings | **EQ** button |
| - | Volume control | - V or +V |

### Radio Function

| | | |
|---|---|---|
| - | switch on Giga 3+ | **ON/OFF** button |
| - | select RADIO menu | ▲▼ |
| - | turn on Radio | ↵ |
| - | choose station/channel | ▲▼ |
| - | Volume control | - V or +V |
| - | search for channel | **Copy** button |

### Recording Function

| | | |
|---|---|---|
| - | switch on Giga 3+ | **ON/OFF** button |
| - | select REC menu | ▲▼ |
| - | start REC | ↵ |
| - | change settings | **EQ** button |
| - | Microphone/line in | connect |
| - | start recording | ↵ |

### 12. Connecting to the Computer

**Important Notice!**
**Before use of Giga 3+ please test connection to computer first.**
- **Never connect the Giga 3+ via a USB HUB.**
  **Always use a direct USB connection to Computer to avoid misfunctions.**

#### 12.1 WIN XP-SP1 / ME / 2000-SP3
- Giga 3+ will install itself on the PC (plug & play).
- close and save all running programs first
- establish USB connection between Giga 3+ and PC with USB cable and Switch on Giga 3+ via **ON/OFF** button.
- WIN XP will install drivers automatically for Giga 3+.

#### 12.2 Managing Giga 3+ from PC
- Open My Computer.
- 4 different disk drives will be displayed on the desktop.
- The first disk drive symbolises the external hard drive of Giga 3+.
- The other disk drives with successive letters are the flash card slots of GIGA 3+, from which you can read/write directly on/from the flash cards like a reader/writer.

**Important notice**
**Never disconnect USB connection between GIGA 3+ and computer while not having selected the disconnection function on the computer. Disconnecting while processing can cause failure of data.**

#### 12.3 WIN 98-SE
Please install drivers as described in the following steps.
- Please insert driver CD into the drive of computer and select folder „**WIN**".
- Select „**setup.exe**" in the next folder.
- Press „**enter**" to continue.
- Confirm next step with „**OK**" – drivers are completely installed.
- Shut down computer and reboot..

### 13. MAC OS X
#### 13.1 Mac 10.1. and higher
**Important Notice!**
**Never copy files back on GIGA 3+ which have names with special symbols or more than 128 letters. THIS MIGHT CAUSE LOSS OF DATA.**
- Giga 3+ is compatible with all MAC OS X systems via plug & play.
- Please close and save all current programs on Mac before using device.
- Connect Giga 3+ with AC power adapter ( do not switch on Giga 3+ ).
- Connect Giga 3+ with MAC via USB cable.
- Switch on Giga 3+ using the ON/OFF button.
- After a short while desktop will show Giga 3+ as „**UNTITLED**".
- After selecting folder „**UNTITLED**" the connection between devices via USB is established.
- Desktop shows disk drives only when flash card is inserted.
- Devices are being disconnected by moving „**UNTITLED**" folder to the recycle bin.

### 13.2 MAC (9.0 - 9.6) – special driver required per download from www.jobo.com

**Important notice**
**Never copy files back to GIGA 3+ which have names with special symbols or more than 128 letters. THIS MIGHT CAUSE LOSS OF DATA.**

- Download driver from www.jobo.com to your PC.
- Open the downloaded folder „**MAC**" on your PC.
- Double click „**CHRWF2_200F/IMGSIT.HQX**" and save on HD.
- Desktop shows symbol „**CHRW05F62-2.0**" – **please select**.
- You will find further instructions in the „**READ ME**" file.
- For driver installation select „**INSTALLER**" and follow the instructions.
- After installation the system has to be rebooted.
- Connect Giga 3+ and AC adapter and put adapter in the power socket.
- Connect Giga 3+ and Mac via USB cable.
- Switch on Giga 3+.
- Devices are being disconnected by moving „**UNTITLED**" folder to the recycle bin.                                                                                           .

## 14.     Download Data from Flash Card (without PC)

Insert flash card in the right card slot. See picture in description page 7 for details !

- Insert cards carefully as described!
- Insert flash card only while device is switched off .
- When switching on the Giga 3+ the display shows the symbol of inserted flahs card in the left upper corner (**CF,SD,MS,SM)** and activates **FILE** management.
- Press **Copy** button to start  data transfer, the symbols will be shown as followed:

**Display 1**
**COPYING    (CF ->HD)**
**All disc to HD**
**Please wait**
**Disc Initialising**

**Display 2**

| | |
|---|---|
| **COPYING   - (CF ->HD)** | **(transfer to HDD)** |
| **Copied Dir  -   0XX** | **(number of folders)** |
| **Copied File -   0XX** | **(number of files)** |
| **Copying .....    XX%** | **(copy in % -per file)** |

**Display 3**

| | |
|---|---|
| **COPYING  -  (OK)** | **( transfer completed)** |
| **Copied Dir  -   0XX** | **(number of copied folders)** |
| **Copied File -   0XX** | **(number of copied files)** |
| **Enter  ->     (SURE)** | **(back to main menu)** |

- We recommend formatting flash cards in you camera.
- All data will be copied on Giga 3+ 1:1, so that the device is able to save all kind of data - even RAW formats of all cameras, all Mac and PC files etc.
- **Verify:** This feature is available after running a firmware upgrade under www.jobo.com.  The verify function compares the file size of the copied data with the data from the source to render maximum security.

### 14.1.    Verify / Data transfer failed (no good)

- After a complete data transfer the display shows (OK)
- If comparison of the copied data fails to be complete the display will show (NG)
- NEVER FORMAT A FLASH CARD WITHOUT SECURING YOUR DATA FIRST
- Verify function is being started after copying the data by pressing ENTER

| | |
|---|---|
| **VERIFY - (OK)** | **( confirm checking data function)** |
| **Copied Dir - 000X** | **(number of files to be checked)** |
| **Copied File - 000 X** | **(number of the files checked)** |
| **Enter ->     (SURE)** | **(ENTER to return to the main menue)** |

- **Do not erase data on flash card before it has been saved on Mac/PC first**

### 14.2 Failure of data transfer

- If there was a failure while transferring the date the following will be displayed:

| | |
|---|---|
| **COPYING - (NG)** | **(FAILURE)** |
| **Copied Dir - 000** | **(number of the copied folders)** |
| **Copied File - 000** | **(number of the copied files)** |
| **Enter        -> (SURE)** | **(back to the main menu)** |

### 14.3 Interrupt data transfer
- Press **ESC button** and transfer will be interrupted.
- The following meassages will be displayed:

| | |
|---|---|
| **COPYING - (NG)** | **( FAILURE)** |
| **Copied Dir - 00X** | **(number of folder)** |
| **Copied File - 00X** | **(number of files)** |
| **Enter ->     (SURE)** | **(back to main menu)** |

### 14.3 Directory of copied files
- with every download from flash card the GIGA 3+ creates a folder containing the data from the flash card. Folders are named with numbers starting from 1 to 9999 and the type of flash card as a pre-fix, e.g..
    - CF and Micro Drive        CF0001 – CF9999
    - SD and MMC                SD0001 - SD9999
    - SM                        SM0001 – SM9999
    - MS                        MS0001 – MS9999
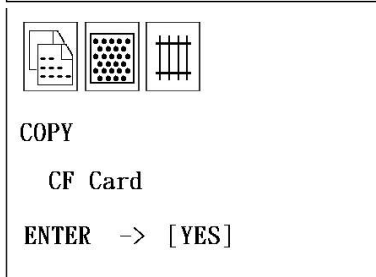
**15.     HDD full/ reformatting Giga 3+**

- when hard disk drive is full, please save data completely to another HDD and reformat GIGA 3+.
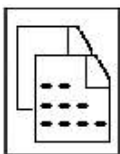
### 15.1 Reformatting hard disk/data source

```
-DISK SELECT·    ▭

->   HD DRIVER
     MS Card
     CF Card
```
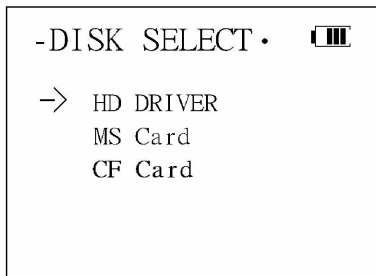
Press **ESC button** to activate DISC SELECT function

Press ▲ ▼ button to select data source and confirm while pressing **Copy** button.

```
┌───┬───┬───┐
│ ▤ │ ▦ │ ▥ │
└───┴───┴───┘

COPY

   CF Card

ENTER  ->  [YES]
```

In this menu you can select data source to copy reformat or to execute function FDISC.

Select „**Copy**" to copy files or folders from flash card to hard disk.
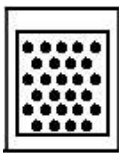
When „**Driver Format**" is selected, data source is ready to be reformatted. All files and data will be deleted .
**Warning ! Save your data to another hard disk drive to avoid loss of data.**
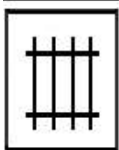
When „**FDISC**" is selected, device is ready to be reformatted. All files and data will be completely deleted
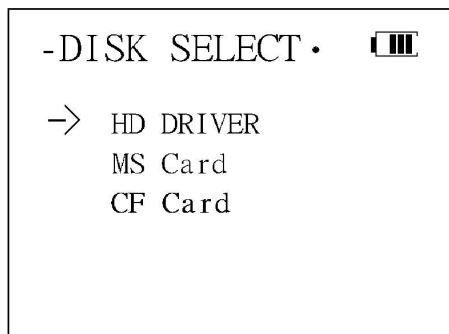**Warning ! Save your data to another hard disk drive to avoid loss of data.**
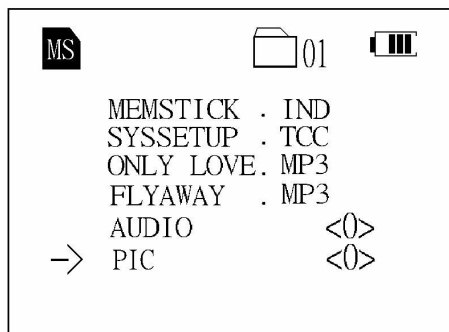
## 16.    Managing your data

### 16.1    Select data source

```
CF HD                  ▭

┌──────┬──────┬──────┐
│  CP  │ 📻   │ 🎙   │
│ FILE │ RADIO│ REC  │
└──────┴──────┴──────┘
```
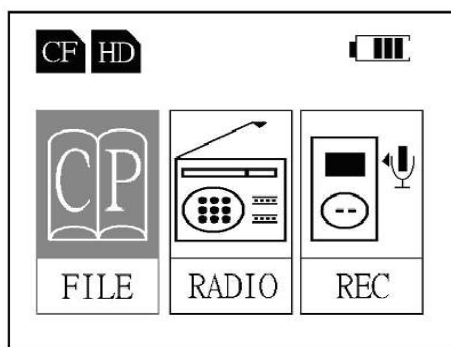
To display different files select first symbol in the main menu (HDD or flash card).

```
-DISK SELECT·   ▐▓▌

 →  HD DRIVER
    MS Card
    CF Card
```

Press **ESC** button and select data source using ▲ ▼ button press ↵ to enter.

```
MS        ▭01    ▐▓▌

   MEMSTICK . IND
   SYSSETUP . TCC
   ONLY LOVE. MP3
   FLYAWAY  . MP3
   AUDIO       <0>
 → PIC         <0>
```
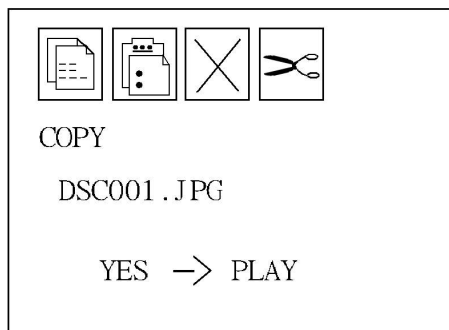
Press ↵ to display file names.
Display now shows folder on Memory Stick.
On MS card are 2 files and 2 folder. The first two files show system files from MS card..

```
MS        ▭01    ▐▓▌

 → MSC001 . JPG
   MSC002 . JPG
   MSC003 . JPG
   MSC004 . JPG
   MSC005 . JPG
```
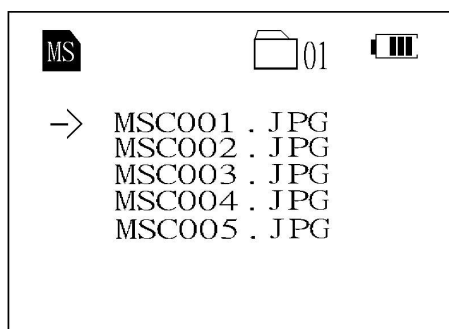
Select „PIC" folder to see file names of  5 JPG files.

16.2   Data Management

```
[▤][▥][✕][✂]

COPY

 DSC001.JPG

   YES  →  PLAY
```

Press **Copy** button to select manage mode for data. You can choose from different ways of working with and changing of the data and files on the Giga3+ as follows:

**Warning !** During copy function, please do not take out the flash card. If you take out the flash card while copying the data could be damaged or lost.

### Copy
Selected file or folder can be transferred from/to flash card or hard disk as follows:
-   Select data source/folder/file using → **ESC** → ↵ ▲▼ ↵ ↵
-   Press ▲▼ button to select and ↵ to enter
-   Press **Copy** button, select function (**Copy**) with ▲▼ button, confirm pressing ↵
-   Press **ESC** button several times and select source with ▲▼ button, press ↵ to confirm.
-   Use ↵ several times and ▲▼ button to select target folder.
-   Press **Copy** button and choose ▲▼, select **PASTE** using ↵.
-   Pasted contents will be saved to your target folder.
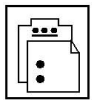
### Paste
Copied (**Copy**) or Cut (**CUT**) file can be transferred via **PASTE** function onto the target data source.
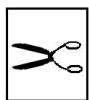**Copy/PASTE** function can transfer data to and from data source.

Select files and press buttons as described under Copy.
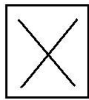
### Delete
Selected file or folder will be deleted.

File and folder could be selected as described and then be deleted using **DELETE**.
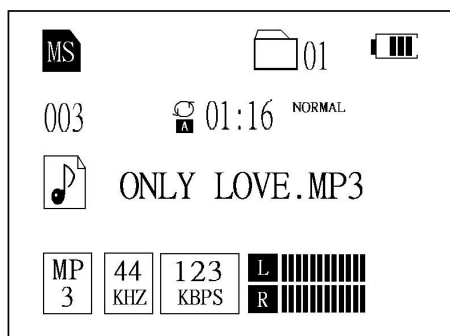
### CUT
Folder and files can be CUT like in MS-Windows.
Select file and folder like described in the **Copy** chapter and confirm using **CUT**.
After that select target folder as described under **Copy** and use **PASTE** function to transfer the data.

## 17.    MP3 Player



Select **FILE** function from the main menu (data management) and confirm with ↵.
Select data source on which the MP3 file is saved.
Choose ▲▼ button to select MP3 file and press ↵ to enter.
MP3 Player starts automatically and shows the following symbols.

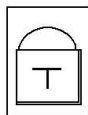- Volume control with **–V and +V .**
- Plug in head- or earphones in the socket.

| Symbol | Description |
|---|---|
| 003 . | Track Title |
| ⟳ . | Repeat |
| NORMAL | EQ Mode (see settings submenu ) |
| MP3 | Title-Name |
| 44 KHZ | Audio Frequence |
| 123 KBPS | Sound Quality |
| L ‖‖‖‖‖ | left channel |
| R ‖‖‖‖‖ . | right channel |

### 17.1    Settings in the sub menu
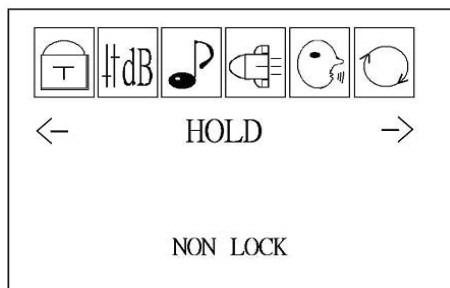


Use **EQ** button to reach the sub menu of the settings where you can find the following:

**Lock/Unlock:  - on/ off**
By pressing **–V**  or  **+V** device can be locked or unlocked. Save status
pressing ↵.

**Sound**
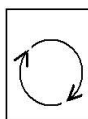NORMAL / USER /  POP / CLASSIC / JAZZ /  ROCK

**Lyric**
LYRIC: Lyric display options:
LYRIC: Show lyrics
Non LYRIC: Hide lyrics

**Lyric Language**
ENGLISH  / KOREAN / NO_NLS / SAYE_FONT /
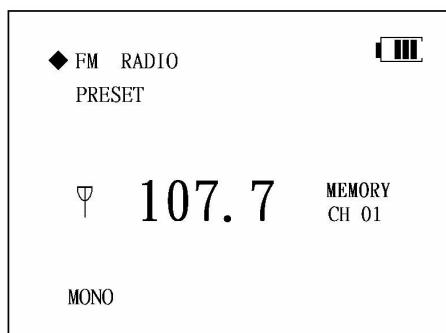CHINESE_TRAD / CHINESE_SIMP /  JAPANESE

**Repeat**
Once Dir:      play folder once
Once File:     play file once
Repeat Dir.    repeat folder endlessly
Repeat File:   repeat file endlessly

## 18.    FM Radio

```
◆ FM  RADIO                    ▭III
   PRESET


        ψ  107. 7      MEMORY
                       CH  01

   MONO
```

Use ▲▼ button to select **RADIO** function in
the main menu; press ↵ to enter.
Use ▲▼ button to select channel or station.
Keep ▲▼ button pressed for automatical
channel search.

Volume control via **–V**  and  **+V**.

**Programming channels automatically**
Press  ↵  to enter **PRESET** Mode.
Press **Copy** button  to start channel search and programming mode (max. 20 channels)– stop
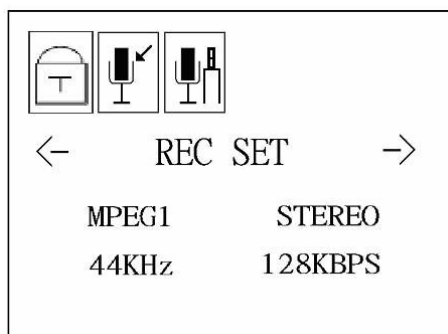using ↵ .
In the **PRESET** Mode channels are selected using  ▲▼ .
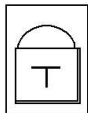Mode ( **MONO / STEREO** ) and number of the selected channel is displayed.

## 19.    Recording function

◆ VOICE RECORD

🎙 017:05:20

MPEG1
STEREO     44KHz     128KBPS

Press ▲▼ button to select recording function in the main menu and use ↵ to enter.

◄―    REC  SET    ―►

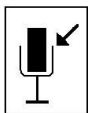MPEG1          STEREO

44KHz          128KBPS

Press **EQ** button to enter the sub menu. You will find settings as follows:

**Lock/Unlock: on/ off**

Press –V or +V to lock/unlock device and save status by pressing ↵
.

**REC SET: recording quality**
Select function using ▲▼ button

and select with –V und +V, save using ↵.
32KHz   112KBPS
44KHz   128KBPS
44KHz   160KBPS
44KHz   192KBPS
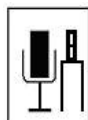
**REC SET: Recording**
Select function using ▲▼ button and choose –V und +V to change, save using ↵.
MIC IN:   Recording via microphone.
LINE IN:  Recording from other data source.
To connect with other sources or microphone use socket on the left side of the device.

### 20.    Optional power source

**20.1 Operation with external battery**

It is also possible to use an external battery to operate the GIGA 3+. It is connected to the device via the power socket and can be charged via GIGA 3+ AC power adapter.
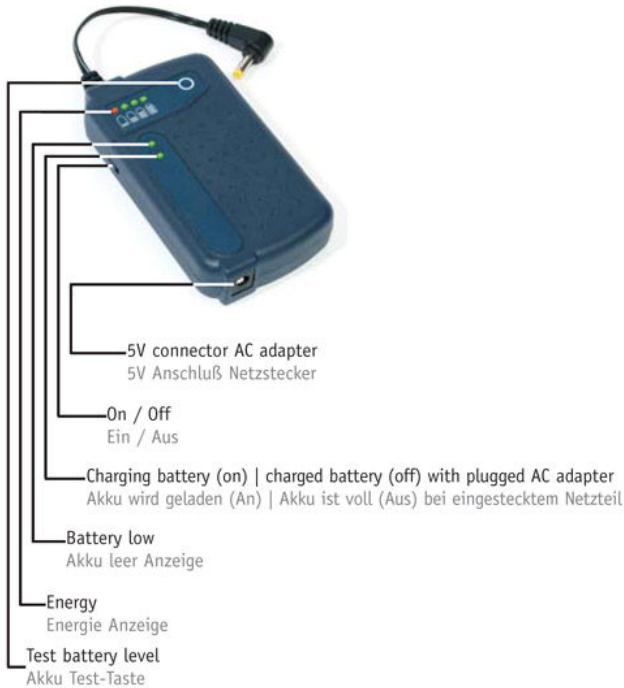
With one charge of the external battery about 5 GB can be down- or uploaded.

5V connector AC adapter
5V Anschluß Netzstecker

On / Off
Ein / Aus

Charging battery (on) | charged battery (off) with plugged AC adapter
Akku wird geladen (An) | Akku ist voll (Aus) bei eingestecktem Netzteil

Battery low
Akku leer Anzeige

Energy
Energie Anzeige

Test battery level
Akku Test-Taste

**Jobo Part #: GXB001**

20.2    Use with car adapter
-    It is also possible to use external car adapter to charge or operate the GIGA 3+.

**Jobo Part Nr. GXZ003**

### 21. Troubleshooting

| Questions | Answers |
|---|---|
| Function under DOS, WIN95, WIN98? | These systems are not supported, only WIN98SE and higher. |
| Function under Linux? | Function just with Linux kernel Version 2.4.0 and higher. |
| Which data formats can be downloaded on HDD? | All data and formats can be downloaded on HDD. |
| Device can not be switched on. | 1. No battery inserted. <br> 2.Battery has no / not enough power. |
| Buttons do not work. | System failure - Press RESET button <br> (see back of device) |
| No hard drives are shown when connected to PC/Mac. | 1. Check whether all drivers needed are installed properly. <br> 2. Refresh display using F5. |
| Download failure. | 1. Please check if file is damaged. <br> 2. Please check space left on the hdd; if there is not enough space on Giga 3+; please delete or reorganise your data. <br> 3. Max. number of folders (9999) has been exceeded, please delete old data or reorganise data. <br> 4. Check, if flash card as been inserted correctly. |
| MP3 function does not work. | 1. Please check file format (MP3 ?). <br> 2. Please check, if ear- or headphones have been plugged in properly. <br> 3. Please check, if data or files are damaged. |

### 22.     remarks

**Verify:** This feature is available as a free down-load under www.jobo.com from Jan. 2005. The verify function compares the file size of the copied data with the data from the source to render maximum security. We recommend downloading this enhanced firmware.

### 23.     Service / technical support

In case of questions please contact the technical support of our distributors or send your requests to support@jobo.com.

Subject to technical modification.                                       BA Art. Nr.: 86547
**JOBO AG - D - 51645 Gummersbach - Kölner Str. 58 - info@jobo.com - www.jobo-digital.de**

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