

Digital Video Communicator

Owner's Manual



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Table of Content

Key Features	2
What your Digital Video Communicator includes	2
Computer System Requirement for Windows XP	3
Computer System Requirement for Windows Vista	3
Computer System Requirements for Macintosh	4
Quick Look on Your Communicator.....	5
Prepare Your Video Communicator for Use	6
Battery Installation.....	6
Insert an SD Memory Card	7
Software Installation: Snap 'n Share Pro and Video Express	7
Software Installation	8
Starting Your Digital Video Communicator.....	12
Playback Mode.....	17
Transferring Images to your PC using the software	19
Manually transfer media to your Digital Video Communicator	26
Everything you need to get the most of your media and MORE	26
Video Express application.....	29
Technical Support.....	35
Sakar Warranty Card.....	35
Technical Specification	36
Troubleshooting.....	36

Introduction

Thank you for purchasing the Digital Video Communicator. Your Communicator not only shoots quality video clips and take individual photos but can also be used as an interactive 1-on-1 video conference phone (interphone) with video and sound. In addition, an SD compatible memory card of up to 2 GB needs to be inserted for normal use and to expand the memory of your Video Communicator.

Key Features

- Digital Video/photo resolutions - 640x480 pixels (VGA), 320x240 pixels (QVGA).
- Supports up to 2GB SD memory card.
- Snap 'n Share Pro software application can be used to download and edit the photos and videos from your Communicator
- Edit, add text, add clipart and more to your digital photos
- Video Express allows you to produce colorful movies to upload, copy to CD/DVD and much more.

What your Digital Video Communicator includes

- Digital Video Communicator
- Owner Manual
- USB cable
- Snap 'n Share Pro Software CD
- 256 MB SD card
- AAA alkaline batteries

Computer System Requirement for Windows XP

To be able to download photos and videos to your PC you will need the following minimum configuration:

- Pentium 4 Processor (or above), 2.6 GHZ., with Windows XP Service Pack 2
- 512MB RAM
- 150MB Free Hard Disk Drive Space
- CD/DVD ROM Drive
- Available USB Port
- DirectX 9 Capable Graphics Card
- 1024x768 Screen Resolution
- Windows Media Player 9 (or above) as default media player

Computer System Requirement for Windows Vista

To be able to download photos or videos to your PC you will need the following minimum configuration:

- One Gigabyte(GHz) processor
- 512MB RAM
- 150MB Free Hard Disk Drive Space
- CD/DVD ROM Drive
- Available USB Port
- DirectX 9 Capable Graphics Card
- 1024x768 Screen Resolution

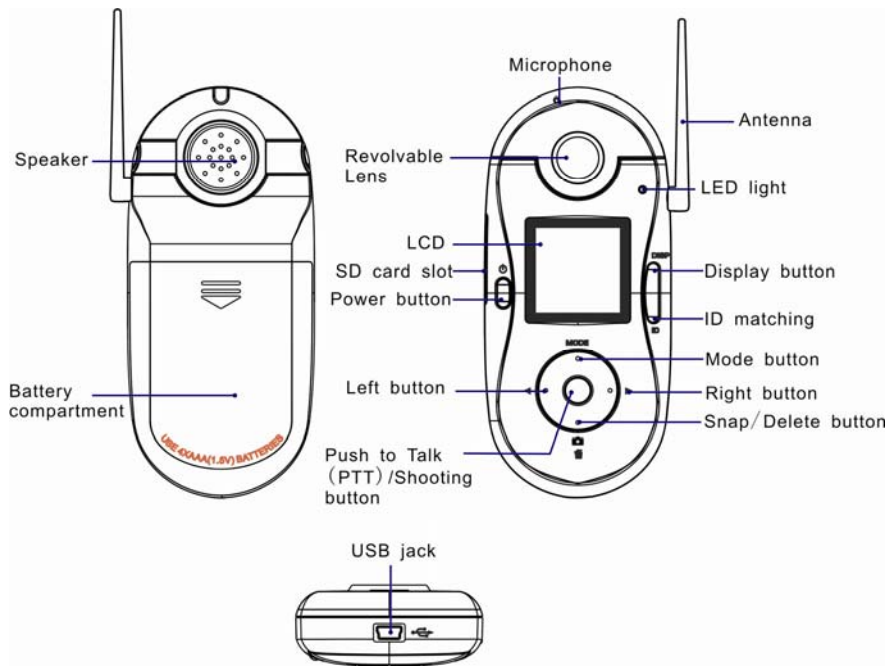
Computer System Requirements for Macintosh

- Mac OS X 10.2.6
- G3 500MHz processor or higher
- 150MB Free Hard Disk Drive Space
- 128MB RAM (256MB recommended)
- 1024x768 Screen Resolution
- Available USB Port
- Compatible with all Macs with Intel Processors

Note: Plug and play operation allows you to manually move videos and photos from the Communicator to your Mac.

Important: The Snap n Share pro and Video Express software is not compatible with and cannot be used with Macs.

Quick Look on Your Communicator

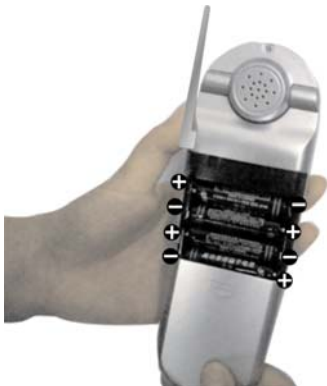


Prepare Your Video Communicator for Use

Battery Installation

Your DV Communicator requires 4 AAA alkaline batteries (included). It is recommended to use alkaline batteries. Please refer to the following diagram for installation:

1. Slide and open the battery compartment and Insert batteries according to the correct polarity as shown in the battery compartment.



2. Put batteries into the battery compartment following the correct polarity inside the battery compartment.
3. Close the battery compartment.

Note:

Please remove the batteries if you don't intend to use the Communicator for a long time, in order to avoid

leakage and corrosion.

Insert an SD Memory Card

For this Video Communicator, a compatible SD memory card (included) is required for normal usage of the Communicator. Your Video Communicator supports SD memory cards of up to 2GB.



Caution:

1. Formatting will delete all data on the SD memory card including protected data.
2. Be sure to format your SD memory card with your communicator other than the other unit format can not be used.

Software Installation: Snap 'n Share Pro and Video Express

Before attempting to install the software, make sure that you do not have the Communicator or the USB cable attached to your computer. This may cause your installation to fail. Do not connect the cable to the computer until the entire installation process has been completed. We suggest you follow the step by step instructions that will appear on your screen during the

installation process.

Software Installation

1. Insert the Installation CD into your CD-Rom drive. Make sure that your Communicator is not connected to the computer.
2. The Welcome to the Snap 'n' Share Pro Installation Wizard Setup screen will appear.

Note: On Vista operating systems an AutoPlay window may appear. Select the **SMSetup.exe** to begin the software setup.



3. Click the “**Begin**” button to begin the software setup and installation process.

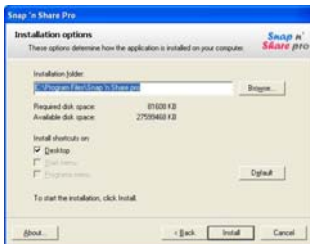




4. The Setup wizard will start to install the Snap 'n Share Pro application on your computer. Click **“Next”** to continue.



5. Please review the license terms and click the **“I Agree”** button to continue.



6. In the Installation options you can choose where to install this application. However, it is recommended to select the default folder as appears on the Snap 'n' Share Pro installer. Click **"Install"** and follow the instructions.



7. Click **"Finish"** to let the Snap 'n' Share Pro installer finish the installation program.



8. The Setup will now begin to silently install the Video Express software. This might take a few second to install depending on the operating system you are running.



Congratulations!! You have successfully installed the Snap 'n' Share Pro and Video Express software on your PC.

Click the **"Finish"** button to terminate the installation.

Starting Your Digital Video Communicator

Power on

Press and hold the Power button for 3 seconds to turn on your Video Communicator. The LCD will light up and your Video Communicator is ready for use.

Power off

Press and hold the power button to power off your Video Communicator, “Good bye” will appear on the LCD screen.

Hold your Video Communicator correctly

Please hold your communicator correctly following the below diagram:



How to rotate the lens correctly

Please refer to the following method for correctly lens rotate:



Rotate the lens as the arrow direction
for taking photo/videos!

Video Communicator Mode

Press the Mode button to enter video communicator mode. Together with the friend you wish to communicate you both need to press and hold the ID button on your devices at the same time. This will match the ID settings on both your devices. You can now begin to have a video conversation with your friend within a distance of 50 meter.

Note: Please do not bend the antenna during operating your communicator.

To operate:

1. Set both devices to “video communicators” mode.



2. Press and hold the ID matching button at the same time of both devices. You will see “ **ID MATCHING** ” shown on screen
3. Hold the buttons until you see the “ **MATCH PASS** ” display on your screen then ID match is success. If “**MATCH FAIL**” appears on the LCD, indicating that connecting has failed, please try again.
4. Press the PTT (middle of the control dial) button to start a video and audio conversation with your friend.
5. Release the PTT button and wait for your friend to press their PTT button to see and hear them.
6. You now take turns to press, see and speak.
7. To increase or decrease the volume, press the Left/Right button to set the volume level, then press the PTT button.

Note:

1. A red dot will show you the transmission signal is too weak on the screen which means you are in weak signal area. This will reduce performance of wireless and it may be unavailable for your communication. Please try a different position.
2. Do not press the PTT button at the same time as your friend. You need to press this button in turns in order to see and hear one another.

Display button:

You can press Display button repeatedly to show/hide the icons.

Video/Camera mode

Note:

1. You need to press and hold the Mode button few seconds to enter Video/Camera mode when

your device is in communicator mode.

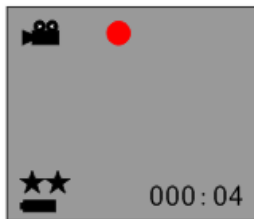
2. Please do not bend the antenna during operating your communicator.

Shooting videos:

In VGA mode the resolution of the videos captured are twice the size as the videos captured in QVGA mode. "SD memory card required" will show on the LCD until you have inserted an SD memory card.

The rotatable lens allows you to capture videos of yourself or rotate the lens in the other direction facing the object you wish to capture.

1. Compose your object as appears in the LCD screen.
2. Press the Shooting video button to begin shooting your video.
3. A red spot will appear and flash at the top of the LCD screen indicating that a video is being recorded.
4. Press the PTT button again to stop the video recording.



Note:

1. Please insert an SD memory card to take photo/videos for normal using.

2. Please do not rotate the lens when video recording that will cause the recording failed.
3. **"Memory Full!"** will appear on the LCD if you attempt to press the shooting video button when the SD memory card is full.
4. The shooting time varies depends on the available space on your SD card.
5. Videos captured in this mode will be saved in AVI format, and it can be played back on your computer with Quicktime or Windows Media Player.

Snap photos:

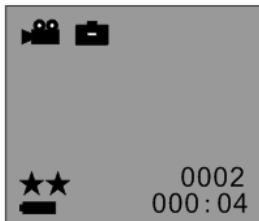
Your video communicator takes good quality digital photos in both VGA and QVGA modes.

Photos taken in VGA mode will be of better quality than photos taken in QVGA mode.

Rotate the lens in the direction of the object you wish to capture and hold the video communicator steady.

"SD memory card required" will show on the LCD until you have inserted an SD memory card.

1. Compose your object as appears in the LCD screen.
2. Press the Photo Snap button (down button on the control dial) to take a photo.
3. There will be a short delay while the photo is saved to memory.
4. The photo counter on the bottom right corner of the LCD is reduced by one showing how many photos can still be taken at this resolution as per the SD memory card inserted.



Note:


1. Please insert an SD memory card to take photo/videos for normal using.
2. **“Memory Full!”** will appear on the LCD when the SD memory card is full.

Resolution setting:

To change the Video Communicator’s resolution settings (VGA or QVGA) you need to be in the Video mode.

1. Press the Resolution button (left/right button) repeatedly.
2. The resolution will change between VGA and QVGA mode.
3. One star appearing above the battery indicator on the bottom left of the LCD screen indicates QVGA mode (smaller resolution).
4. Two stars appearing above the battery indicator on the bottom left of the LCD screen indicates VGA mode.

Playback Mode


Press the Mode button once to enter the Playback mode. The  icon will appear on the top left corner of the LCD screen. A “No Files” message will appear on the LCD screen if there is no file in your Communicator.

Viewing Photos

In Playback mode, press the left or right button to select and view the photos and/or videos that you have captured.



Play Video file in your Video Communicator

Use the left or right button to select the video (AVI file). The  icon will appear on the top left corner of the LCD screen.

1. Press the PTT button to play back the video.
2. Press the PTT button again to stop playing the video or wait for it to automatically stop when playing is over.

Delete photo/video

Delete single

1. Set the Video Communicator to Playback mode.
2. Use the left or right button to select the file to be deleted.
3. Press the Delete button.
4. Press the left or right button to select the 'Yes' or 'No' options that appear on the LCD screen.
5. Press the PTT button to confirm your selection.
6. The deleted file is removed from the SD memory card.

Delete all

1. Set the Video Communicator to Playback mode.
2. Press the Delete button repeatedly until you have selected "Delete All?" on the LCD.
3. Press the left or right button to select "Yes" or "No" options that appears on the LCD.
4. Press the PTT button to confirm your selection.

Format

1. Set the Video Communicator to Playback mode.
2. Press the Delete button repeatedly until you have selected "Format?" on the LCD.
3. Press the left or right button to select "Yes" or "No" options that appears on the LCD.
4. Press the PTT button to confirm your selection.

Note: Please use this operation carefully. Deleting or formatting is irreversible and media files deleted are wiped off from SD memory card forever.

Transferring Images to your PC using the software

Once you have taken photos and videos with your Communicator you now need to download or transfer them to your computer. This allows you to save all your photos and videos for playing, editing, emailing or uploading as you desire.

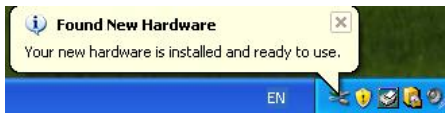
Once your photos and videos are transferred to the PC you may delete them from your Communicator thereby freeing up the Communicator's memory to take more memorable shots.

Use the "Snap 'n Share Pro" program to import the photos and videos from your Communicator.

1. Plug one end of the provided USB cable into the USB slot on your Communicator.

2. Plug the other end of the USB cable into a USB port on your computer.
3. Turn your Communicator on, making sure you have enough battery power.
4. Be sure to wait until the Communicator is recognized by your computer.

Important: We recommend not opening the software until you see the “Your new hardware is installed and ready to use” pop-up box on the task tray. The Communicator may not function properly if you do not see this message before you open your application.



1. Double-click the “Snap ‘n Share Pro” icon that appears on your desktop to launch the “Snap ‘n Share Pro” program.



2. The “**Welcome to Snap ‘n Share Pro**” Product Registration screen will open. This screen will appear each time you open the application until you register. To register your product please click the “Register Online” button and fill out the online registration form (This requires an internet connection).

Important:

1. In order to complete the installation process you are required to register. Registering your product entitles you to discounts on upgrades as well as Free Customer

- Support.
2. You will not be requested to enter information other than you name, email and address.

Once you have registered successfully you will be able to open and use the Snap 'n Share Pro application. If you choose to register at a later time click the **"Continue"** button.



3. The “Snap ‘n Share Pro” Main Menu screen appears.



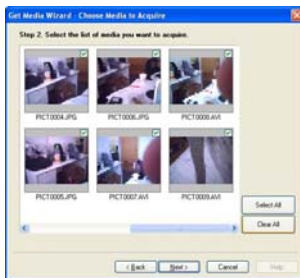
- Click on the **"Get Media"** button to open the Get Media Wizard to begin transferring the photos and videos captured with your Communicator to the computer.



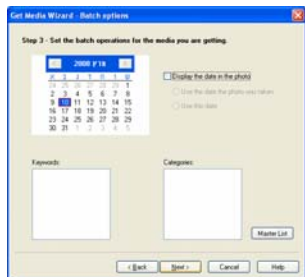
- Step 1 - Select the Removable Disk (drive) where media is stored on your Communicator, from the Active Devices window.

Select the **"Custom"** copy method option to preview and choose the photos and videos you wish to download from the Communicator to your PC.

Note: Selecting the **"Express"** copy option will automatically download all media from the selected device drive to the computer without the option of selecting the media items.



6. Step 2 - Select the media items you wish to download and click the **“Next”** button.



7. Step 3 - If you have photos you can choose to batch these photos once they download. Add active captions to the picture - add a date, keywords and categories. Click the **“Next”** button to continue.



8. Step 4 - Choose where to place your media once it is downloaded to the computer.
 - You can also choose the website where you would like to upload your media.
 - You can also select to “Delete the media from the camera after the files have been transferred”. This will automatically delete the images on your Communicator and free up memory to continue capturing more photos and videos.
 - On clicking the “**Finish**” button your media will begin to download from the Communicator to the selected location.

Note: If you also selected a website, once the media is downloaded it can be viewed in the ‘Select Photos’ mode of your application and the application will jump to the ‘Upload’ mode and open the web browser of the site you chose.

For more information please refer to the Quick Start Help Guide or Show Me How Tour tutorial from within the “Snap ‘n Share Pro” application.

Manually transfer media to your Digital Video Communicator

Your Communicator is also a Mass Storage device

1. Connect your Video Communicator to your computer using the USB cable.
2. “**MSDC**” will appear on the LCD, indicating that your Video Communicator is in Mass Storage Mode.
3. Double click the My Computer icon on your desktop. Click the Removable Disk that appears. Open the DCIM folder.
4. You can import media from your computer directly to this folder to use it as a removable disk.

Note: The Communicator will remain on all the while it is plugged into the USB port.

Everything you need to get the most of your media and MORE

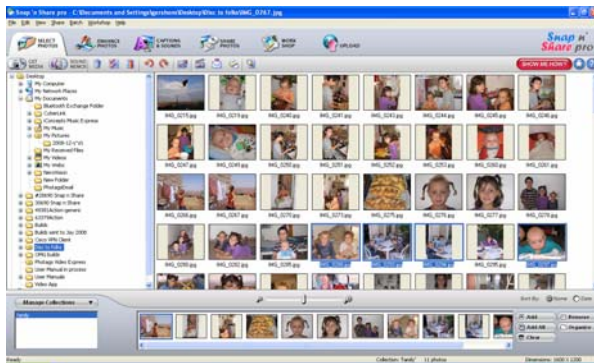
The “Snap ‘n Share Pro” software that is now installed on your computer allows you to edit existing photos that you have on your computer as well as playing, emailing and uploading the videos that you have captured with your Communicator.

Note: In order to play the videos Window Media Player needs to be the default player on your computer.

Click the “Snap ‘n Share Pro” icon that appears on your desktop to open the “Snap ‘n Share Pro” Software.



From the Main Menu screen that appears, select the **“Select Photos”**, **“Enhance Photos”** or **“Captions & Sounds”** buttons. You can use these features to edit your photos:



- **Manage your photos** by creating countless unique photo collections without duplicating any photos. Simply select the photos from the Thumbnail window and add them to the collection window at the bottom of the screen. Click the 'Add' button or drag the photo into the window.
- **Play your videos** – double click on the video that appears in the thumbnail screen in the Select Photos mode, or right click on the video and select the 'Play' option from the menu that appears.

- **Burn CD's** - of any folders for backup and storage by right clicking on the folder in the Directory tree and choose the 'Burn to CD' option. To burn a CD of your collection, select the collection you wish to burn and then open the Manage Collections drop down menu and choose the Burn to CD option.
- **Enhance your photos** - Auto Enhance, Crop, Correct Red Eye, Manually Adjust and add Special Effects.
- **Add Active Captions and Sounds** - Add Text Captions, Audio, Frames, Shapes, Keywords, Clipart... and more to your photo, that can be viewed or hidden any time.
- **Locate and Organize your photos and collections** - Search by Captions, Category, Keyword or Date directly from the operating system of your computer.
- **SlideShow** – View all the photos in your collection and add background music to your slideshow
- **Share your photos** via E-mail, Local Printing and Create HTML web pages for uploading online.
- **Workshop features** - Create Photo Albums, Frames, Calendars, two-sided Greeting Cards and Postcards to email or print on standard photo paper.
- **Upload Photos & Videos** – Choose one of the websites to upload photos and videos to your account profile in myspace, flickr, facebook or YouTube.



For more detailed information of how to use all these features please refer to the Quick Start Help Guide and/or the Show Me How Tour tutorial from within the “Snap ‘n Share Pro” application.

Video Express application

The Snap ‘n Share Pro software installs a custom built Video Express application.

This application is a convenient and powerful tool for creating your very own professional looking movies.

Create movies on whatever theme you wish. Using all the media that you have on your computer as well as the videos that you capture with your Communicator you can edit, save, upload and burn your movies to CD or DVD to share with family and friends.

The movie is saved in highly compressed wmv format with excellent picture quality.

To open the Video Express:

1. Click the ‘**Create Videos**’ icon from the Snap ‘n Share Pro Main Menu to launch the “Video Express” application.



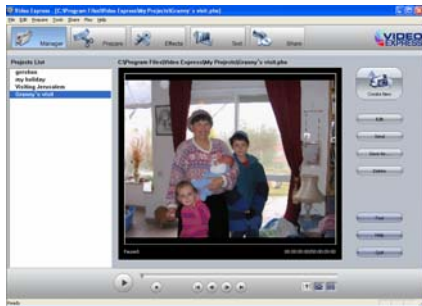
Alternatively, you can also double click the “**Video Express**” icon that appears on your desktop to launch and open the “Video Express” application.



The following is a basic overview of the steps involved in making a movie.

1. **Create a Project (Manage mode)**

- A movie project is a movie that is still open for editing and revising.
- All of the source files and elements that make up your movie (videos, pictures, audio files) are
- Arranged in a desired sequence with effects and transitions to create your very own movie.
- It is possible to create several unfinished projects at one time.
- Opening a new project in the ‘**Manage**’ mode is the first step in creating your movie.
- Select the “**Create New** “ button to create a new project
- Select a created project from the Project List window to open and edit an existing project.



2. **You are now ready you create your own movie by using the 'Prepare', 'Effects' and 'Text' mode features.**
3. **Find Media and Create Collections**
 - The **"Prepare"** mode is the next step in creating a movie. Find the media files on your PC or Communicator that you would like to use in your movie project.
 - A movie is made up of video and photo files that are places sequentially with accompanying audio and special effects.
 - Media on your PC can either be inserted directly from the **"Folder"** (directory tree) of your computer into your movie project or placed in a "Collection".
 - "Collections" are unique compilations of video, picture and audio files that are saved on your PC that you might want to use in your movie project.

- Putting a file in a **"Collection"** does not add the file to the movie project or obligate you to do so. It is just a convenient container for files that you think you might want to use at a later point.
- At any stage of the movie creation you can preview the movie by using the **Video Player controls**



4. Adding Media to your Movie Project

- The next step is to actually add the media files to your movie project and begin shaping your movie.
- Click the **"Open Media"** button to import media from your Computer to the Video Express
- Click on the **"Get Media"** button to download videos from the Communicator inserted.
- Any file that you want to include in your movie is dragged or added to the **'Timeline/Storyboard'** window.
- This 'Timeline/Storyboard' window displays the files in chronological order.
- Files that have been placed in the 'Timeline/Storyboard' can be easily moved, arranged and added to or removed.

- Use the **“Effects”** mode to add various special effects and transitions between files can also be inserted to give your movie a smooth, professional look and feel.



- You can add **‘Text’** either as Titles or Credits to the beginning or end of your movie or as overlay text that will appear anywhere you wish on the selected clip.



5. Creating and Saving a Completed Movie File

- When all of the arranging and editing is finished in the Timeline/Storyboard and your movie project is complete, you are ready to create a completed movie file.
- Completed movie files will be saved to your PC as a .WMV file
- The application gives you the choice of how to share your movie
- The completed movie once saved to your computer can be shared via email, uploaded to the web, copied to a CD or burn to a DVD.



Congratulations!! You have created you very own movie using Video Express.

For more detailed information of how to use all these features please refer to the Quick Start Help Guide and/or the Show Me How Tour tutorial from within the “Video Express” application.

Technical Support

For all installation and software related technical support you can email your enquiries to cs@smithmicro.com.

For all hardware and warranty related issue of the Communicator see the next section.

Sakar Warranty Card

This warranty covers for the original consumer purchaser only and is not transferable. Products that fail to function properly UNDER NORMAL USAGE, due to defects in material or workmanship. Your product will be repaired at no charge for parts or labor for a period of one year.

What Is Not Covered By Warranty:

Damages or malfunctions not resulting from defects in material or workmanship and damages or malfunctions from other than normal use, including but limited to, repair by unauthorized parties, tampering, modification or accident.

What to Do When Service Is Required:

When returning your defective product (postage pre-paid) for service, your package should include:

1. Copy of **original** bill of sale
2. A detailed written description of the problem.
3. Your return address and telephone number (Daytime)

MAIL TO ADDRESS BELOW:

Sakar International
Attention: Service Department
195 Carter Drive
Edison, NJ 08817

For technical support issues please visit our website at www.sakarhelp.com.
You can find manuals, software, drivers, and FAQ's at the website.

Can't find what you are looking for? Fill out an online ticket and one of our technical support team members will answer your questions or call our tech support department toll free at (877) 397-8200

Your Video Communicator is a delicate instrument- please handle it with care.

Technical Specification

Troubleshooting

Image Sensor	CMOS sensor
Image Resolution	640x480pixels (VGA)
Video Resolution	640*480pixels / 320*240pixels (15fps)
LCD Display	1.5" TFT
External Memory	SD card (up to 2GB)
Modulation / Protocol	GFSK
Modulation / Data Rate	Up to 2Mbit in open space
Frequency Range	ISM 2400MHz-2483.5MHz
Transmit Area	50 Meter in open space
Receiver Sensitivity	-80dBm
Recording Capacity	20Minutes Video with 1GB SD memory card
Lens	Fix focus, F2.8 1-on-1 Video Conference 180° Rotation Lens
PC Function	MSDC
File Format	JPEG / AVI (M-JPEG)
Microphone	YES
Speaker	YES
Interface	USB 1.1
Battery	4*AAA (1.5v)
Dimensions	128x58x23 mm
Weight (g)	About 70g (without batteries)

Q: I have taken photos but my computer does not recognize my Communicator. What do I do?

A:

First, ensure that you have in fact taken photos. Press the Shutter/OK button a few times to take some sample photos and then try downloading them again.

It is also recommended that you have an SD card inserted in the Communicator.

Secondly, always use the USB cable that came together in the package with the Communicator.

The USB cable needs to be inserted in a free USB slot on your computer.

Thirdly, give your computer time to recognize that the device is inserted. If need be, refresh the device options list until you see the removable device appearing.

If the computer does not recognize your device it may mean that your computer does not meet the minimum system requirements.

Please see the System Requirements section of this manual. If your computer does not match these requirements then it is possible that you will not be able to transfer the photos and videos from your Communicator.

A02-080905

FCC Warning :

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) The device may not cause harmful interference, and
- (2) this device must accept any interference received including interference that may cause undesired operation.

Changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment .

FCC Radio Frequency Exposure statement:

This product has been evaluated under FCC Bulletin OET 65C and found compliant to the requirement as set forth in CFR 47 section 2.1093 and 15.247(i) addressing RF Exposure from radio frequency device ,The operation distance of this product is more than 2.5cm ,The redialed output power of this product is below the FCC radio frequency exposure limits.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.