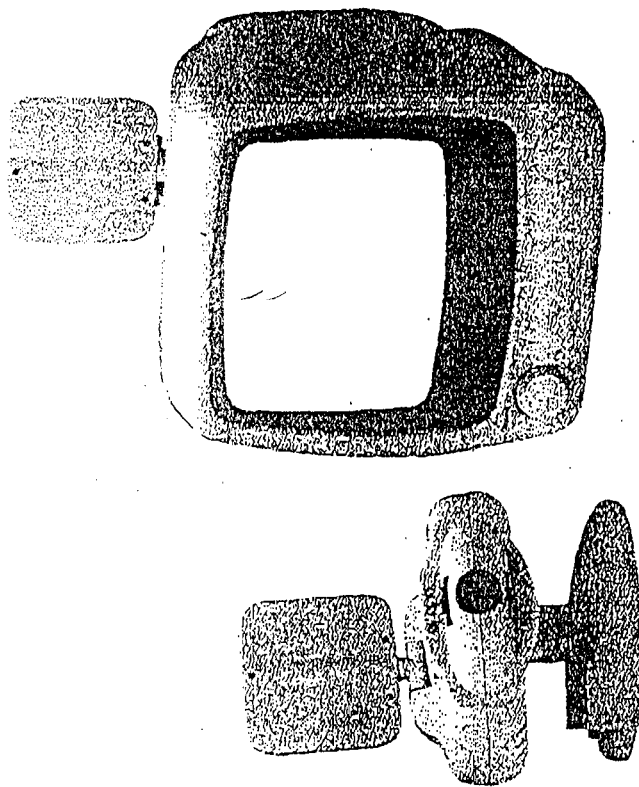


2.4 GHz Wireless Security Monitor

Model No.: SM-10T/ SM-20R



User's Manual



Digicom Corp.

DIGICOM

FCC ID: 63GSM10T

FCC Compliance Statement

This equipment has been tested and found to comply with 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 residential installations. 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 interference to radio or television equipment 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
- Move the equipment away from the receiver
- Plug the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/television technician for additional suggestions

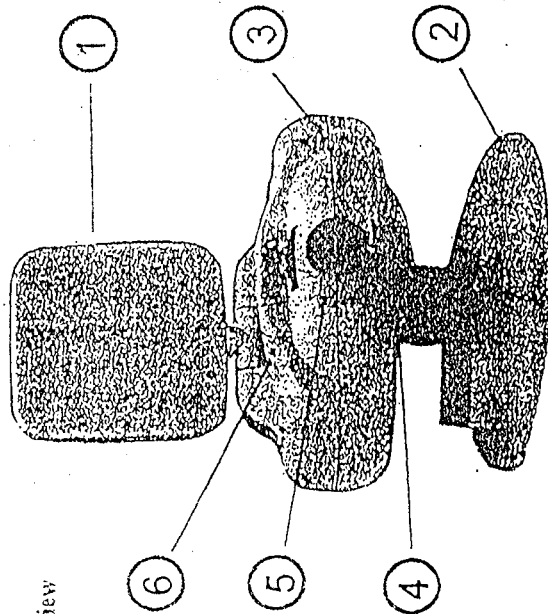
Only equipment certified to comply with Class B should be attached to this equipment to continuing compliance with FCC emission limit, and must have shielded interface cables.

You are cautioned that any change or modifications to the equipment not expressly approved by the party responsible for compliance could void your authority to operate such equipment.

Getting To Know Your Wireless Monitor

Transmitter

Front View



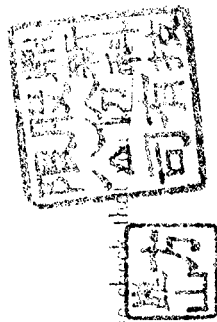
1. Antenna: See Rear page (Orienting Antennas for Optimal Performance)
2. Moveable base: The transmitter can be wall mounted on the wall mount bracket, or it can be easily removed from the wall mount dresser or shelf. Note: the bracket does not rotate freely 360 degrees.
3. Microphone: For clear audio pick - up
4. Night vision LEDs: The automatic night vision LEDs allow the transmitter to see your baby even in a completely darkened room! *Note: The video image displayed on the receiver may appear "snowy" when the transmitter is operating in darkness or very low levels of light.*
5. Adjustable camera lens: For focus adjustment
6. LED indicator: Lights up when the transmitter is "ON"

What You Get in This Package

The following elements should be included in the box. Please check that they are all before installation.

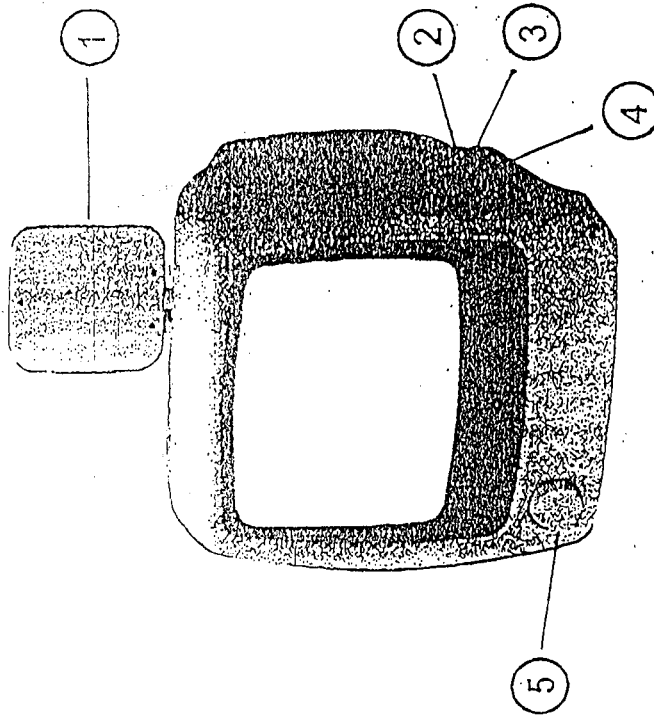
- A transmitter with camera
- A receiver with monitor
- A 12V AC adapter for transmitter only
- A 13.5V AC adapter for receiver only

Warning: Two AC adapters are included with the Wireless Baby Monitor. The AC adapters can not be interchangeably used. Use the adapter labelled **OUTPUT: 12V DC** with the transmitter. Use the adapter labelled **OUTPUT: 13.5V DC** with the receiver.



Receiver

Front View



1. Antenna: See page 7 (Orienting Antennas for optimal performance.)

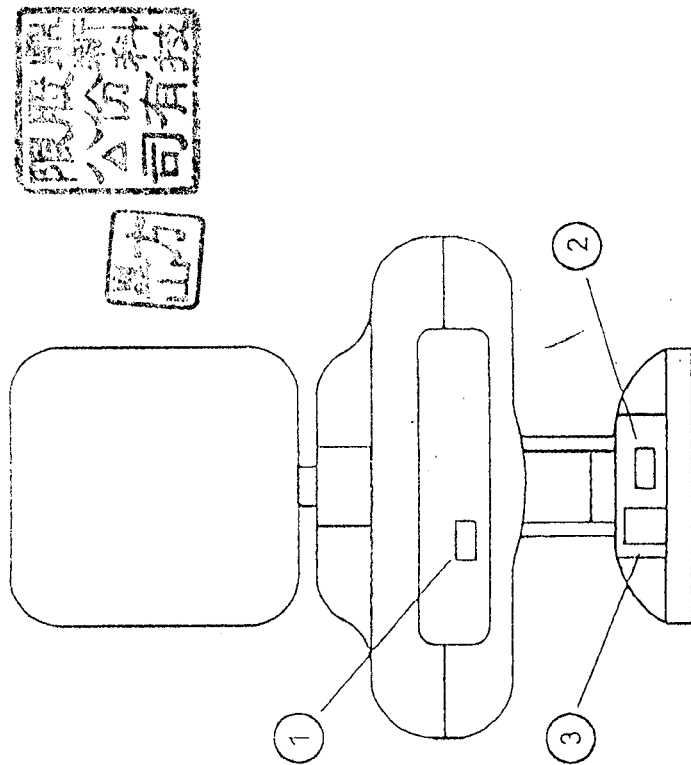
2. V - HOLD

3. CONTRAST

4. BRIGHTNESS

5. Volume/Power knob

Rear View



1. CHANNEL 1 2 3 4: Channel selection, it is possible for the receiver to pick up sounds or display interference from other signal producing devices. To minimize the potential for this problem, four channels are available for use. Make sure that the transmitter and receiver are set to the same channel.

2. ON/OFF: Power on/power off.

3. 12V DC IN: 12V power adapter plug.

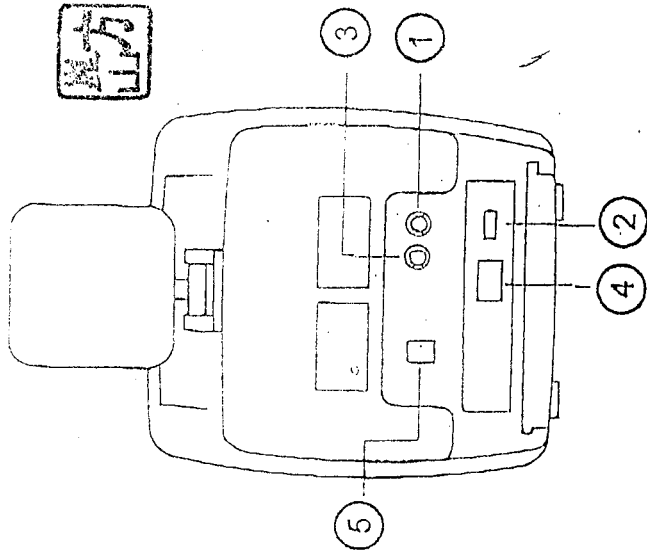
Setting Up Your Wireless Monitor

If you wish to wall mount the transmitter, it is recommended that the reception of the video monitor be tested before installing the wall mount bracket. Have one adult hold the transmitter against the wall at the selected mounting area while another adult moves the receiver to a variety of locations throughout the house to check reception. If interference or other problems develop, please refer to the section of this User's Guide titled "If You Have Any Question". You may need to select a different location in the room for mounting.

The following steps show you how to set up the Wireless Monitor:

- Make sure the transmitter and receiver are set the same channel. (1, 2, 3, or 4)
- Plug the jack on the 12V AC adapter cord into the adapter socket on the back of the transmitter.
- Plug the AC adapter into a standard wall outlet.
- Slide the ON/OFF switch on the side of the transmitter to the "ON" position. The power indicator will light.
- Adjust the angle and focus of the camera lens for best view, point the microphone pick-up directly toward.
- Position the antenna so that it points to the ceiling.
- Plug the jack on the 13.5V AC adapter cord into the AC adapter socket on the back of the receiver.
- Plug the AC adapter into a standard wall outlet.
- Turn the receiver on.
- Adjust the volume switches to a comfortable level.
- Adjust the video image using the V - Hold (vertical hold), contrast and brightness adjustment switch on the side of the receiver.
- Locate and orient the antennas on both the transmitter and receiver according to the section of this User's Guide titled "Orienting Antennas for Optimal Performance".

Rear View



(1) AUDIO OUTPUT: See page 9 (Monitor to A/V function)

(2) CH. 1 2 3 4 : Channel selection. It is possible for the receiver to pick-up sounds or display interference from other signal producing devices. To minimize this potential problem, four channels are available for use. Make sure that the transmitter and receiver are set to the same channel.

(3) VIDEO OUTPUT: See page 9 (Monitor to A/V function)

(4) FUNCTION: Auto - sequence function switch. See page 8 (Auto - sequence function)

(5) DC 13.5V: 13.5V power adapter plug

What else can the Wireless Monitor do for you?

Auto - sequence function

With the Wireless Monitor, users can monitor a series of rooms for maximum supervision of the home (or office). The Wireless Monitor can use up to four transmitters on four different channels, while the receiver can receive signals on up to four different frequencies and display them in sequence. The Wireless Monitor includes six dip - switches for various operating modes, as described in the following diagram:

	1	2	3	4	4/8	4/B
OFF						
ON						

(Factory - preset mode)

DIP 4/B: The automatic channels sequence function

ON: Enables the "CH 1 2 3 4" switch and stops the auto - sequence function. When stopping the auto - sequence function, slide all four channel dip switches to the "OFF" position. Note: If one or more of the four dip - switches on, the auto - sequence function will continue on these channels, even though the 4/B dip - switch is in the "OFF" position.

OFF: Disable the "CH 1 2 3 4" switch and start the auto - sequence function.

DIP 4/8: Sequence interval timer

ON: Displays at eight second intervals.

OFF: Displays at four second intervals.

DIP 1 - 4 channel switch: setting up the automatic channel sequence function

Slide the channel dip - switch that you wish to view to the "ON" position, or slide the channel dip - switch that you wish to deactivate to the "OFF" position.

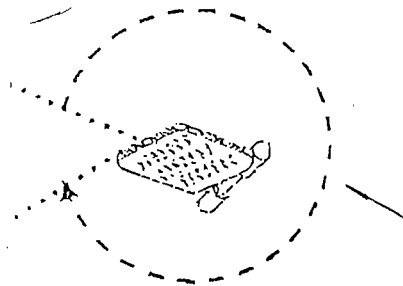
Orienting Antennas For Optimal Performance

The Wireless Monitor broadcasts its high - quality audio and video using directional antennas which must be oriented in certain configurations for best results. The 2.4GHz audio/ video antennas have been designed to pivot and have limited rotation in either clockwise or counter clockwise directions.

Warning: See instructions shown below for rotating antennas.

Rotating antennas beyond the specified range will result in permanent damage to both antennas and the mechanical stopper.

Antenna does not rotate freely 360 degrees.



Maximum clockwise rotation of audio/video antenna shown

In most situations, the flat pitted face of the A/V antennas on both the transmitter and receiver should be facing one another. Since all rooms are different, for optimal reception, additional slight pivots may be necessary. If the transmitter and receiver are less than 10 feet apart, keep the A/V antennas flat in their casings.

If you have any questions

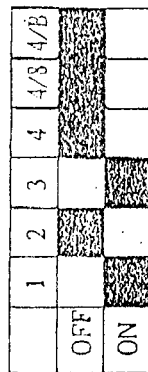
Symptom	check points
No power is supplied to the transmitter or receiver	1 Is the power cord disconnected? 2 Connect it 3 Transmitter/Receiver is not turned on 4 Slide the ON/OFF switch to the "ON" position. 5 Wrong AC adaptor used. 6 Use the AC adaptor labelled OUTPUT: 12V with the transmitter, 13.5V with the receiver.
No sound or picture.	1 Channel switches are not in the same setting. 2 Set the transmitter and the receiver to same channel.
Noisy sound or picture.	1 Singal interference due to microwave oven. 2 Turn off the oven or remove it from path between transmitter and receiver. 3 Singal interference due to other singal producing devices. 4 change the channel setting on both the transmitter and the receiver. 5 Identify and eliminate the source of interference. 6 Relocate the transmitter and/or receiver. 7 Out of rage 8 Relocate the transmitter and/or receiver. 9 Improper antenna position. 10 Adjust transmitter/receiver antenna orientation.

Example:

When you want to use the auto -- sequence function

If you have two transmitters and their channel are set on CH 1 and you wish to monitor the two different channels in sequence, you must first slide the "4/B" dip -- switch to the "OFF" position, this means the "CH 1 2 3 4" switch is now disabled. Then slide the first and third dip -- switches to the "ON" position. (See the following diagram.)

If you wish these two channels to be displayed at eight second intervals, slide the "4/8" dip -- switch to the "ON" position; or you can keep it at "OFF" position, and it will be displayed at four second intervals.



Slide the "4/B" dip -- switch to the "ON" position to activate the "OFF" position. Then slide the "CH 1 2 3 4" switch to the same channel as the transmitter.

Monitor to A/V function

The wireless Monitor receiver unit has audio/ video outputs which can be sued to transfer the picture and sound from the monitor screen to a TV screen. Connect the outputs to the A/ V input on a TV set for a large screen display, or connect the outputs to a VCR to record transmissions for later viewing!

Tx description		
Video System	NTSC	PAL
Transmitter Freq.	2.4 ~ 2.4835G	2.4 ~ 2.4835G
Max. Range	300 feet	300 feet
Transmitter Antenna	Directional	Directional
Transmitter Sensitivity	0 dBm FCC	10 dBm FCC
Picture of Color	B/W	
Optical Size	1/3"	
Effective Pixels	320 x 240	352 x 288
Scanning System		2:1 Interlace
Resolution (TV Lines)		240(H)
Auto Exposure		1/60 ~ 1/6000 sec.
Gamma Correction		Auto
Backlight Compensation		Auto
Indoor/Outdoor		Indoor Only
Night - time		1 to 2 m
Min. Sensitivity		2 ~ 3 meters
Aux. Input		1 x Video, 2 x Audio
White Balance		Auto
Number of Channels		4
Current Consumption		300mA
Power Supply		DC 12V

Specification

Receiver (monitor)

Rx Description		
Video System	NTSC	PAL
Receiver Freq.	2.4GHz ~ 2.4835GHz	2.4GHz ~ 2.4835GHz
Max. Range	300 feet	300 feet
Receiver Antenna	Directional	Directional
Receiver Sensitivity	- 25 ~ 90dBm	- 25 ~ 90dBm
Sound		
Max. output	800mW	800mW
Thd. output 10%	500mW	500mW
Picture		
Hor. Pull - in +	200Hz	200Hz
	200Hz	200Hz
Hor. Hold +	400Hz	400Hz
	400Hz	400Hz
Vert. Range	6Hz	6Hz
Linearity V	15%	15%
H	15%	15%
Pincushion V/H	3%	3%
Barrel V/H	3%	3%
Keystone V/H	3%	3%
Scan Redisplay Rate V	90%	90%
H	90%	90%
Resolution at Center V	300Lines	300Lines
H	350Lines	350Lines
Luminance Max.	100cd/m ²	100cd/m ²
Current Consumption	1200mA	1200mA
Power Supply	DC13.5V	DC13.5V