ROBOT MANUAL

INTORDUCTION

This Robot device can be controlled with a wireless remote system. Thus you can control it by supplied remote controller freely in your home. Moreover its user friendly design makes it easy for using by every family member.

1. **WIRLESS SYSTEM**
    This wireless system is multi-functional. It provides not only with control signal but also voice, audio and video signal. There are two frequencies for communication:
    a) 2.4 GHz for audio and video data transmission.
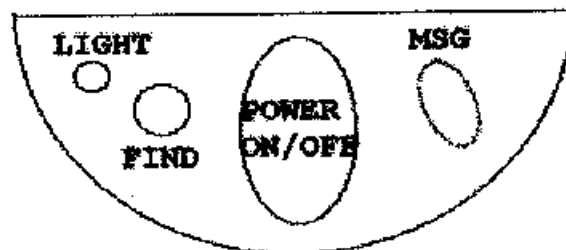   b) 900 Mhz for data and voice transmission.

2. **POWER SUPPLY**
    The power of the robot and its remote controller is supplied by rechargeable batteries. You MUST fully charge the batteries in the robot and its remote controller for more than eight hours before using.
    It is easy to recharge the battery by plugging the supplied 110 V AC adapters to the robot and its remote controller when you need.
    When the power is low or you find the Robot can not work smoothly, you need to recharge the batteries.

3. **BASIC FUNCTION AND OPERATION**
3.1 **Robot**
    There are four buttons behind the robot:

(a) **Power On/Off** button – Press and release to turn the Robot on, press and release to turn it off.
    When the Robot is turned on, it will say "You turn me on" and move its body, arms, head and hands to its home position.

(b) **MSG** button – When the Robot is turned on, press and hold this button can record a message after a beep. Release the button to end. The maximum length of the message is 15 seconds.
    Press and release this button to playback. Some phases will be played back after the recorded message. Press and release this button to stop.

(c) **Light** button – When the Robot is turned on, press and release this button will turn on the Light in front of the Robot in half light.
    Press the button again to turn the light in full light, press again to turn it off.

(d) **Find** button – When both the Robot and Remote is turned on, press and release this button will cause the Remote to beep for 10 seconds.

3.2 **Remote Control**

Most of the function are controlled by the remote controller, thus you need to hold the remote controller for desired function.
There are several buttons on the Remote Control (see the attached diagram):

(a) Power On/Off - Press and release to turn the Remote Control on, press and release to turn it off.

(b) Head Left and Head Right - Press and hold these can move the head of the Robot to turn left or right.

(c) Body Up and Body down - Press and hold these can move the body of the Robot to tile up or down.

(d) Arm Up and Arm down - Press and hold these can move the left or right arm of the Robot to up or down.

(e) Hands open/close - Press and hold these can open or close the left or right hand of the Robot.

(f) Light - press and release this button will turn on the Light in front of the Robot in half light. Press the button again to turn the light in full light, press again to turn it off.

(g) Video On/Off - Press and release to turn the LCD on, press and release to turn it off.
You can monitor the environment where the robot located through the LCD on the remote controller. The visual and audio are captured by a camera and a microphone which are built in the head of the Robot and transmitted to your remote controller, thus you can see and listen by the LCD and speaker respectively. The video and audio signal are transmitted in 2.4 GHz radio frequency.

(h) Volume - When the video is on, rotate the volume control can increase or decrease the audio level of the speaker.

(i) Brightness - When the video is on, rotate this knob can control the brightness of the LCD.

(j) Talk 1/2/3 - Press and hold one of these button lets operator speak "through" the Robot. Talk 2 is normal sound. Talk 1 and Talk 3 are two different Robot sound.

(k) Joystick (on the left) - Press and hold the different position of the joystick can control the robot to move forward, backward, turn right or turn left.
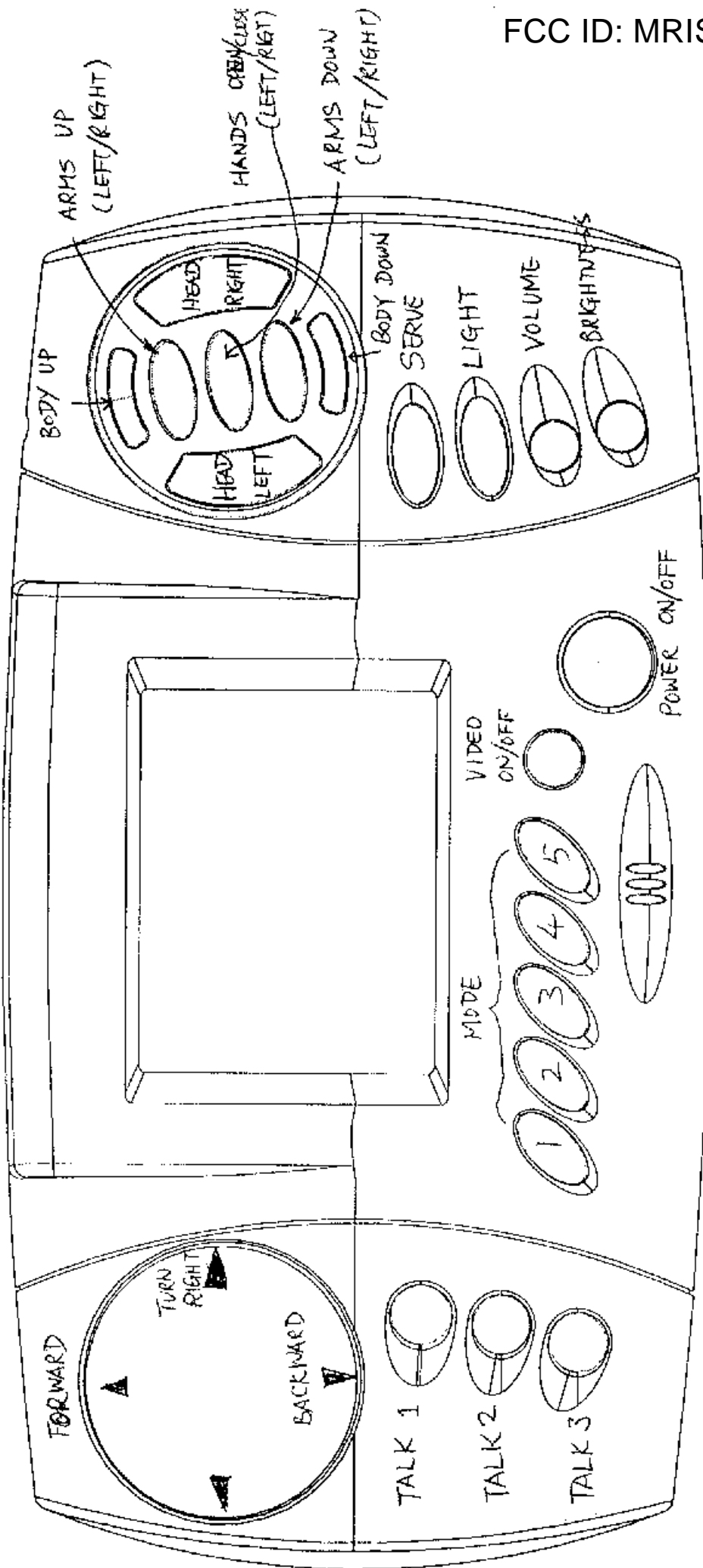
(l) Mode 1/2/3/4/5
Press and hold the Light button and then press Mode 1 or Mode 2 button can change in 2 Video channels (2.4GHz).
Press and hold the Light button and then press Mode 3 or Mode 4 or Mode 5 button can change in 3 data channels (900MHz). The middle channel (Mode 4) is the default channel.
Press and release Mode 5 will make the Robot goes into the test mode (only for FCC approval tests). The test routine has the following 8 modes. Toggle from one mode to the next one can be accomplished by press and release Mode 5.
   (1) Left Arm moves up and down continually
   (2) Right Arm moves up and down continually
   (3) Head turns left and right continually
   (4) Body tilts up and down continually
   (5) Left Hand moves open and close continually
   (6) Right Hand moves open and close continually
   (7) Turn around continually
   (8) 'Heart' rotate left and right continually
   (9) All stop
To exit the test mode, both the Robot and Remote must be powered off.