

IM for i-Que personal robot

Introduction:

The i-Que personal robot is the world's most intelligent robot. It is designed to move around your home, learn about you, and give you information on subjects such as biographies, word definitions, math, sports, and even animals. i-Que will learn about you, your friends and family, even you pets and favorite TV shows and adjust his programming to your needs. In short, i-Que will be your new best friend and mentor.

Installing the batteries:

i-Que runs on a 9.6 rechargeable battery pack. The first thing to do is to take the pack and install it into the bottom of the i-Que robot. Open the battery door with a small screwdriver, snap the battery clips together, place the battery pack in the compartment, and reinstall the door and screw.

While on the bottom, check to see that the frequency switch is set to CH 0.

Take i-Que's communicator and open up the rear battery compartment. Install 3 AAA batteries and replace the battery door. The LCD screen should come on.

Check to see that the frequency switch is set to CH 0 (the same as the switch on the bottom of the i-Que robot).

Place i-Que's communicator in the back of the robot so that it can be easily found.

Battery Warnings: (Adults assembly required)

Battery charging must be done by ADULTS only.

Use alkaline battery recommended.

Do not use rechargeable battery.

Non-rechargeable battery is not to be recharged.

Only battery of the same or equivalent type as recommended is to be used.

Battery is to be inserted with the correct polarity.

Exhausted battery is to be removed from the toy.

The supply terminals are not to be short-circuited.

Please keep this information for future reference.

Remove battery from the product before extended storage.

Model No.34822

Setting up the charging base:

Find the charging base and the power adaptor. Place the charging base near the baseboard of the wall and within distance of the wall socket. Plug the power adaptor into the port in the side of the charging base. You should see the LED called "POWER" light up. This means that the base has power. If the LED is not lit, check to see that the wall switch is set to ON to get electricity to the wall socket you have selected.

Charging i-Que:

Look under the base of the i-Que robot and find the ON/OFF switch. Turn the switch to ON. Place i-Que directly on the charging base. If the robot is properly positioned on the charging base, the "CHARGE" LED will be lit. If it is not, try to move i-Que round on the base until it the LED comes on.

Leave i-Que for about 8 to 10 hours to allow him to fully charge.

Master ON/OFF switch

i-Que is programmed to work 24 hours a day, seven days a week. If you want to turn him off, use the Master On/Off switch on the bottom of the robot.

Using the i-Que communicator:

The communicator transmits to i-Que by radio waves. It works best from a distance no greater than about 10 feet.

To use the communicator, you must have BOTH i-Que and the communicator set to the SAME FREQUENCY. There are two choice of frequencies in case that you should have 2 i-Que's in the same area. This way, each communicator can be tuned so that it cannot accept entries of another.

Take the controller and type in the word "i-Que". This will wake him up for the first time.

i-Que will remove himself from the charging base, raise his head, and introduce himself to you.

i-Que will show you some of his capabilities. He will also ask you some questions. The answers to these questions will be permanently stored in i-Que's "flash" memory. Even if he loses power, he will retain most of the information for future reference.

Using the communicator:

Press the TEXT button on the keypad of the communicator (just to the left of "space"). The LCD display will show "TYPE TEXT" on the display. This means that you can use the keypad to type in text. Press "Shift" if you want to type in numbers and other symbols.

i-Que will ask you questions. For example, he will ask you your name. Go to Text mode and type in your name. Use the space button, delete button, and backspace buttons to help type in the name that you want. When your name is on the LCD screen, press the ENTER button. This will send the message you have typed to i-Que.

You will notice that there are special "yes" and "no" buttons. These can be pressed to answer any yes or no question. You do not need to press enter when using yes and no. i-Que will receive the information automatically for you.

Using i-Que:

TIP: If, when you are using the communicator the screen goes off, simply press ANY button and it will come back on where you left off. This is an "auto power off" function to help save the batteries of the communicator. Don't worry. The whatever button you first press to bring the display back to life won't be entered.

You can get information from i-Que easily. Use the communicator to ask for information.

Press the MENU button (just to the right of the "space" button). The LCD display will show. MAIN MENU and SETUP.

Press the SPACE button to scroll through your main menu choices. They go in the following order

- Set up
- New Person
- Drive Mode
- Games
- Power Down
- Dictionary
- Search
- Calculator
- Speech
- Phone book
- Memo Minder
- Cartridge

Each of these are specific things that you can enter information about. But, let's try something interesting and search for information on an animal.

Press MENU. Press the SPACE bar until you see the words "SEARCH". Press the "ENTER" button (it is the button on the bottom of the far right column).

You will see the words "SEARCH" on the top of the screen followed by the words "HISTORY" underneath. If we wanted some information on History, we would use this mode. But, we are interested in Animals.

Press the SPACE button one more time. You will see the word History replaced by Biography. If we wanted information on a famous person, we would use this mode. But, we still want to find out about an Animal.

Press the SPACE button one more time. You will see the word Biography is replaced by the word Animals. Press the ENTER button again to get into this mode. You will see the word "animals" is now at the top of the screen. Now, it's time for you to type in an animal.

Let's choose SNAKE. Type the word "snake" into the communicator. Make sure you spell it correctly. Have the communicator closer than 10 feet of i-Que and press the ENTER button.

i-Que will receive the signal and begin to tell you all sort of information about Snakes. You will be amazed at the depth of his knowledge! Wait until he is finished talking about snakes OR you can stop him at any time. Simply press the NO button and i-Que will stop to talk about the subject you requested.

TIP: If i-Que says "I don't have that in my data base", try to make sure you have typed it in and spelled it correctly"

TIP: If you did not understand something i-Que said or you missed it, you can ask him to repeat the last statement. Use the REPEAT button. Just press this button at any time and i-Que will repeat the last line or statement.

Follow the same procedures for Biographies. You can type in the first name, the last name, or both the first and last name. For example, if you want information about President Lincoln, go to Biographies, and type in:

- 1) Lincoln or
- 2) Abraham or
- 3) Abraham Lincoln

If there are multiple listings of any of the entries, i-Que will tell you what they are and ask you to clarify your search to be more specific. Once i-Que knows the person that you are referring to, he will begin to give you information.

Using the Dictionary;

i-Que has over 70,000 words in his data base! Here's how to get a definition of a word that you want to know.

Press the MENU button. Press the SPACE button until the word "dictionary" appears on the LCD screen. Press the ENTER button to enter dictionary mode.

Type in the word you want to know about. For example, type in the word "clock" and then press enter. i-Que will give you the definition of the word clock as a noun, a verb, or any other form that this word can be used.

Using the calculator:

i-Que can calculate almost any number combinations you can think of.

Press the MENU button. Press the SPACE button until the word "calculator" appears. Press the ENTER button. You are now in calculator mode. i-Que will tell you that he is in calculator mode and give you some tips on how to proceed. Your communicator has been preset in "Number" mode already for you. You will use the "number keys" to enter your problem. Here's an example:

We want to know 86 multiplied by 34.

In calculator mode, enter the numbers 86 , then the [*] Symbol (also the letter "Y"), then the numbers 34, and finally the ENTER button. If i-Que received the problem, he will calculate and say the answer. You can do this also for addition, multiplication, and division. i-Que will even give you negative numbers.

Playing games:

You can play games with i-Que. Press the MENU button. Press the SPACE button until you see the word "games" appear. Press the ENTER button. The word GAMES will appear on the top of the LCD with the word TRIVIA on the bottom. You are now in game mode.

You have several types of game to play. Use the SPACE button to find the one that you want to play. They are in the following order:

Trivia
Spelling
Math Game

Light Effect
Mega Memory
Oracle
Cartridge

NOTE: the only time you would select “cartridge” is if you had a memory expansion cartridge installed into i-Que. This allows you to play the games in the cartridge. Do not select this until you have a cartridge installed. If you have a cartridge installed, i-Que will give you the information on how to play the game himself.

Select the game you want to play and press the ENTER button. i-Que will explain each game for you and how to play it. In the case of Trivia, you have 3 choices: Number trivia, Animal Trivia, and History Trivia. Try to see how many you can get correct before you get 3 wrong!

The spelling game allows you to test your spelling skills. The math game will challenge your ability to calculate numbers in your head. The light effect game will see how well you can recognize patterns. Mega memory lets you find out how good your memory is. The oracle is there to answer your questions. Have fun!

Sending Text messages to i-Que:

You can send text messages to i-Que. For example, you can ask i-Que “how are you?” by typing in the text message “HOWRU” and pressing enter. i-Que will give you an answer to your question. There are many common text messages that you can try (LOL – laugh out loud, G2CU – good to see you, WASSUP – what’s up?, THX – thanks). You would be surprised at how many common text phrases i-Que responds to!

Introducing i-Que to someone new:

i-Que loves to introduce himself to your friends and family. The more people he meets, the more information he can learn about you. When you want him to introduce himself to someone, use NEW PERSON MODE.

Press the MENU button. Press the SPACE button until the words “new person” appear on the LCD screen. Press the ENTER button when you are ready.

i-Que will do a demonstration of himself and ask questions about the new person. It’s a great way for him to learn!

Driving and controlling the movement of i-Que:

i-Que will move around by himself. He is very curious and will ask questions or make comments as he goes about his travels. But, you can take control of his movements in Drive mode.

Press the MENU button. Press the SPACE button until the words "Drive Mode" appear in the LCD screen. Press the ENTER button to begin Drive mode.

In Drive mode, you control i-Que's motors. You can make him move forward, backward, or turn left and right. Press and hold the "Y" button to move forward, the "B" button to move backward, the "Q" button to rotate Left, and the "P" button to rotate Right.

Once i-Que is where you want him to be, press the Menu button to exit control of i-Que's motors.

Programming i-Que to make a speech:

You can program i-Que to make a speech that you compose. Use Speech Mode to do this.

Press the MENU button. Press the SPACE button until the word "speech" comes on the LCD screen. Press the ENTER button to go into Speech mode.

Type any thing that you want i-Que to say. It can be a speech up to about 100 words. When you have finished your speech, press the ENTER button. i-Que will store your speech into his memory.

TIP: i-Que is programmed to check against objectionable words. If you try to use these words, he will not allow this speech to be stored or replayed.

To hear i-Que say your speech, Press the MENU button to get to SPEECH mode. Press the SPACE button until the words "play speech" appear on the LCD. Press the ENTER button and i-Que will start to say your speech.

TIP: You can change i-Que's voice for your speech. Go to the SET UP section of this manual to find out how. Your speeches may be even more effective or funnier!

Using i-Que's phonebook:

i-Que can store phone numbers and contacts for you. Use PHONE BOOK mode.

Press MENU. Press the SPACE button until the words "phone book" appear on the LCD screen.

i-Que will ask you for the entry name and the phone number. Follow his directions to enter names, phone numbers or to retrieve them.

Using Memo minder:

i-Que can be programmed to warn you about special events of occasions. Use Memo Minder mode.

i-Que will tell you how to enter the time, date, and a name of the event. When the time comes up, i-Que will let you know.

Customizing i-Que by using SET UP mode:

When you first used i-Que, he asked you for many pieces of information. These included setting the clock and the date. But, there are many other things that you can enter or customize i-Que to your liking. Use SET UP mode for this.

Press the MENU button until you see the words "SET UP" appear on the LCD screen. Press the ENTER button to go into Set up mode.

Use the SPACE button to select the various modes: The go in the following order:

Voice Select (allows you to change i-Que's voice)

Set Time (lets you set or adjust his clock)

Set Date (lets you set the date)

Read Time (in using this, i-Que will tell you the time of day and date)

Set Birthday (use this to enter your birthday)

Alarm set (use this to set i-Que to wake you up)

Alarm on/off (this mode will let you turn the alarm on or off easily)

Quiet set (this mode lets you tell i-Que when not to bother you or move around)

Quiet on/off (this mode turns quiet time on and off)

TV time set (this mode lets you enter your favorite TV show times)

TV TM on/off (this mode turns the TV announce on or off)

VR on/off (this mode allows you to use Voice Recognition – NOTE: i-Que is preset with voice recognition OFF until you get used to his programming. It is an advanced mode.)

Check status (this mode will let you check the status of various inputs of i-Que)

Reset (this mode is a way for you to CLEAR all inputs in the flash memory of i-Que.

WARNING. Use this ONLY if you want to clear all entries and begin i-Que as if he were turned on for the first time).

Changing i-Que's voice:

The words "voice select" will appear on the LCD screen.

You can change i-Que's voice anytime you want. Maybe one type of voice is easier for you to understand. Or maybe you just want something different. It's your choice.

Press the MENU button and use the SPACE button to get to Set Up. Press ENTER to go into Set Up mode. The words "voice select" will be on the LCD screen. Press ENTER to go into Voice Select mode.

i-Que will make a statement in a voice and ask you if you like this particular voice. If you like the voice, press the YES Button. If you don't, press the NO button and i-Que will give you another choice. When all choices are given, i-Que will repeat them again from the beginning.

As soon as you press the YES button, i-Que will return to his normal mode and use that voice until you change him again.

Set time mode:

i-Que will ask you for the time and date when you first turn him on. But, it may be necessary to reset this information, make adjustments, or re-enter it if his batteries become completely discharged. Use SET TIME mode for this.

Press the MENU button. Use the SPACE button to get to Set Up. Press ENTER to go into Set up Mode. Use the SPACE button until you see the words "Set time" on the LCD display. Press the ENTER button to go into Set time mode.

The LCD screen will show four "symbols". Enter the numbers that correspond to the current time For example, 0812) for Eight – Twelve. If you enter the wrong number, use the BACKSPACE button to erase it (the backspace button is the button on the 2nd row of the far right that also is the "DEL").

When all four numbers are shown on the screen, press the ENTER button.

The letters "AM" will appear on the screen. If the time is AM, press ENTER. If the time is PM, press the SPACE button. Press ENTER when the proper setting is on the LCD screen. The words "Finished" will appear briefly on the LCD screen.

Set Date:

Just like Setting time, it may be necessary to reset the date. Use Set Date mode for this.

Press the MENU button. Use the SPACE button to get to Set Up. Press ENTER to go into Set up Mode. Use the SPACE button until you see the words "Set date" on the LCD display. Press the ENTER button to go into Set date mode.

The words "enter month" and two symbols will appear on the LCD screen. Enter the month in digits (for example, January would be 01, December would be 12). Press ENTER when the digits are correct. The words "enter date" and two symbols will appear.

Enter the correct date. (for example, 05 for the fifth, 21 for the twenty-first). Press ENTER when the digits are correct. The words "Enter Year" and four digits will appear.

Enter the year and press the ENTER button when correct. The words “finished” will appear briefly on the LCD screen.

READ TIME;

Read time lets i-Que tell you the current time and date.

Press the MENU button. Use the SPACE button to get to Set Up. Press ENTER to go into Set up Mode. Use the SPACE button until you see the words “Read time” on the LCD display. Press the ENTER button to go into READ TIME mode. i-Que will state the time and date for you.

Set Birthday:

In the event that i-Que is reset, you may need to reset the birthday. Use Set Birthday for this entry.

Press the MENU button. Use the SPACE button to get to Set Up. Press ENTER to go into Set up Mode. Use the SPACE button until you see the words “Set birthday” on the LCD display. Press the ENTER button to go into Set birthday mode.

The words “enter month” and two symbols will appear on the LCD screen. Enter the month in digits (for example, January would be 01, December would be 12). Press ENTER when the digits are correct. The words “enter date” and two symbols will appear.

Enter the correct date. (for example, 05 for the fifth, 21 for the twenty-first). Press ENTER when the digits are correct. The words “Enter Year” and four digits will appear.

Enter the year and press the ENTER button when correct. The words “finished” will appear briefly on the LCD screen.

Alarm set:

This mode tells i-Que what time you would like him to wake you up.

Press the MENU button. Use the SPACE button to get to Set Up. Press ENTER to go into Set up Mode. Use the SPACE button until you see the words "Alarm set" on the LCD display. Press the ENTER button to go into Alarm Set mode.

The LCD screen will show four "symbols". Enter the numbers that correspond to the current time For example, 0812) for Eight – Twelve. If you enter the wrong number, use the BACKSPACE button to erase it (the backspace button is the button on the 2nd row of the far right that also is the "DEL").

When all four numbers are shown on the screen, press the ENTER button.

The letters "AM" will appear on the screen. If the time is AM, press ENTER. If the time is PM, press the SPACE button. Press ENTER when the proper setting is on the LCD screen. The words "Finished" will appear briefly on the LCD screen.

NOTE: The ALARM IS NOT SET YET! YOU MUST TURN THE ALARM ON. Go to the next step:

Alarm On/Off:

This allows you to easily turn i-Que's alarm function on or off.

Press the MENU button. Use the SPACE button to get to Set Up. Press ENTER to go into Set up Mode. Use the SPACE button until you see the words "Alarm On/Off" on the LCD display. Press the ENTER button to go into Alarm On/Off mode. You will see the word "ON". Press ENTER to turn the alarm on. Use the SPACE button to select OFF and press ENTER if you want the alarm to not go off.

TIP: You can check to see if the alarm in i-Que is set but pressing the CHECK STATUS button located just to the left of i-Que's cartridge slot. i-Que will give you his status and let you know if the alarm is set or not.

Quiet time:

This mode tells i-Que when he should not disturb you. For example, you probably don't want him rooming around your house all night. So, you can tell him to be still from 10 PM until some time in the morning. This way, he won't disturb you.

NOTE: i-Que has been preset to be quiet from 10 PM to 7 AM in the factory. You can use Quiet time to adjust this to your liking. In addition, if you use the communicator, i-Que will ignore Quiet time automatically and return to it after some time of inactivity by you.

Press the MENU button. Use the SPACE button to get to Set Up. Press ENTER to go into Set up Mode. Use the SPACE button until you see the words "Quiet set" on the LCD display. Press the ENTER button to go into Quiet Set mode.

The LCD screen will show four "symbols". Enter the numbers that correspond to the time you want i-Que to START his period of inactivity. For example, 0812) for Eight – Twelve. If you enter the wrong number, use the BACKSPACE button to erase it (the backspace button is the button on the 2nd row of the far right that also is the "DEL").

When all four numbers are shown on the screen, press the ENTER button.

The letters "AM" will appear on the screen. If the time is AM, press ENTER. If the time is PM, press the SPACE button. Press ENTER when the proper setting is on the LCD screen.

The words "Quiet End" will next appear on the screen. This refers to the time that you want i-Que to start to be active again. Enter the time and AM or PM exactly as the first entry. The word "finished" will appear briefly on the LCD screen.

NOTE: The default setting for Quiet time is ON. So, if you want you i-Que to ignore quiet time, you must set it to OFF in the next mode:

Quiet On/Off:

This mode allows you to ignore any setting for Quiet time. If you turn quiet time off, i-Que will continue to wander and move around 24 hours a day.

Press the MENU button. Use the SPACE button to get to Set Up. Press ENTER to go into Set up Mode. Use the SPACE button until you see the words "Quiet On/Off" on the LCD display. Press the ENTER button to go into Quiet On/Off mode. You will see the word "ON". Press ENTER to turn Quiet time on. Use the SPACE button to select OFF and press ENTER if you want no Quiet time for your i-Que.

TV time:

TV time allows you to tell i-Que when you want him to remind you of your favorite TV shows. Enter this mode and i-Que will tell you how to make the entries.

TV Time Off.

TV time off will tell i-Que that you don't want to be bothered with this information.

Press the MENU button. Use the SPACE button to get to Set Up. Press ENTER to go into Set up Mode. Use the SPACE button until you see the words "TV TM On/Off" on the LCD display. Press the ENTER button to go into TV time On/Off mode. You will

see the word "ON". Press ENTER to turn TV Time on. Use the SPACE button to select OFF and press ENTER if you want your i-Que to ignore your TV time entries.

Voice Recognition ON/OFF (advanced mode)

VR ON/OFF enables or disables i-Que's Voice Recognition. i-Que is preset at the factory with this mode OFF. It is advised that you understand i-Que's functions well before trying this advanced mode.

i-Que has the ability to recognize almost anyone's voice. It can recognize four words.

- 1) i-Que (used to call him or wake him up)
- 2) Yes
- 3) No
- 4) Repeat (used in the same way the repeat button on the communicator works)

To turn the Voice Recognition ON, Press the MENU button. Use the SPACE button to get to Set Up. Press ENTER to go into Set up Mode. Use the SPACE button until you see the words "VR On/Off" on the LCD display. Press the ENTER button to go into Voice Recognition On/Off mode. You will see the word "ON". Press ENTER to turn Voice Recognition on. Use the SPACE button to select OFF and press ENTER if you want not to use Voice Recognition for your i-Que.

HOW TO USE VOICE RECOGNITION:

If you use voice recognition, remember to stand within about 3 feet of your i-Que. Speak clearly. If you say "i-Que", he should wake up or give you a response. If he asks you a question, you can respond with a "yes" or "no" answer without using the communicator. And, if you didn't hear what he said, say "repeat" after he stops talking and he will say the last statement again.

SPECIAL NOTES about Voice Recognition:

i-Que will ONLY listen to Voice recognition when he is not talking or not moving. The reason is that the noise he generates will distort your voice into his microphones.

Although i-Que is programmed to understand almost all kinds of voices, it may be that your particular voice or accent is not reliable to him. In this case, do not use Voice Recognition mode and rely solely on the communicator for direct communication with your robot.

CHECK STATUS:

Check Status tells i-Que to give you a report on various entries in his memory. He will tell you the time, the date, if the alarm is set or not, etc.

Press the MENU button. Use the SPACE button to get to Set Up. Press ENTER to go into Set up Mode. Use the SPACE button until you see the words "Check Status" on the LCD display. Press the ENTER button to go into Check Status mode. You will see the word "Check Status". i-Que will tell you the status of himself.

RESET:

WARNING: Using RESET will set i-Que back to all of his factory settings. All of the information you have entered or he has learned will be erased. i-Que will become as he was when you first turned him on.

Press the MENU button. Use the SPACE button to get to Set Up. Press ENTER to go into Set up Mode. Use the SPACE button until you see the words "RESET" on the LCD display. Press the ENTER button to go into Reset mode. i-Que will walk you through the steps on how to complete Reset mode.

USING I QUE ON A TABLE TOP:

i-Que is designed to work on a surfaces other than the floor. He can be placed on a table top. i-Que has sensors in his chassis that warns him to not fall off the table.

I Que's collision avoidance sensors.

i-Que has sensor in his front that allow him to detect object in front of him. If he should find a object in his path, he will attempt move around it our out of a corner.

i-Que's head height sensor:

i-Que was programmed to roam around his environment. If he finds an object that may be blocked because his head is elevated, i-Que will automatically lower his head and attempt to travel under it.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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.

FCC ID: NS634822-27

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Model No.34822