



## **TECH-SCAN 32™ AUGMENTATIVE COMMUNICATION DEVICE INSTRUCTION SHEET**

Congratulations on your purchase of the Tech-Scan 32™ Scanning Communicator. The TECH-SCAN 32 IS A MULTI-LEVEL, 3 MODE SCANNING AUGMENTATIVE COMMUNICATOR THAT OFFERS HIGH QUALITY, RELIABLE PERFORMANCE, AS WELL AS MANY OTHER IMPORTANT FEATURES FOR A VERY AFFORDABLE PRICE. TECH-SCAN 32 IS MANUFACTURED TO THE HIGHEST COMMERCIAL STANDARDS TO PROVIDE MANY YEARS OF RELIABLE OPERATION. WE FULLY GUARANTEE THE TECH-SCAN 32'S OPERATION FOR A FULL YEAR, INCLUDING PARTS AND LABOR.\*

### **DISTINCTIVE FEATURES OF THE TECH-SCAN32**

- SCANNING QUES (LEDS) ARE IN THE GRID, ABOVE THE OVERLAY, MAKING OVERLAYS SIMPLE TO PRODUCE. NO NEED TO PUNCH HOLES.
- VERY SIMPLE TO OPERATE, 4 SWITCHES ON THE BACK CONTROL ALL FUNCTIONS
- OPTIONAL RECHARGEABLE BATTERY PACK PROVIDES YOU WITH UP TO EIGHT HOURS OF USE WITH A RECHARGING TIME OF ONLY FOUR HOURS.
- SINGLE OR DOUBLE SWITCH OPERATION FROM AN EXTERNAL SWITCH
- AUTO SLEEP WHEN TECH-SCAN 32 IS INACTIVE FOR 5 SWEEPS AND WAKENS WITH A TOUCH OF THE USER SWITCH.
- DROP RESISTANT, ABLE TO WITHSTAND ROUGH HANDLING.
- WATER RESISTANT FOR EASY CLEANING.
- AUDITORY BEEP FOR EACH TIME THE SCANNING LED ADVANCES
- LIGHT WEIGHT AND PORTABLE (UNDER 2 LBS.) WITH A SHOULDER STRAP INCLUDED
- **"REAL-VOICE"** HIGH QUALITY AUDIO REPRODUCTION.
- ALLOWS YOU TO PROGRAM, RECORD AND PLAYBACK 64 TO 192 INDEPENDENT MESSAGES ON 2, 4 OR 6 LEVELS, 32 MESSAGES PER LEVEL
- CAN BE USED AS EITHER A SCAN OR AS A STANDARD COMMUNICATOR, LIKE HAVING 2 COMMUNICATORS IN ONE.
- INTERCHANGEABLE OVERLAYS WHICH ARE COMPATABLE WITH MAYER JOHNSON BOARDMAKER™ SOFTWARE WHICH EXTENDS USABILITY.

\* SEE WARRANTY AGREEMENT FOR DETAILS.

### **GENERAL OPERATION:**

**All controls are located on the back of the Tech-Scan 32 (see diagram – BACK VIEW).**

The Tech-Scan 32 scanning augmentative communicator is a self-contained 2, 4, or 6 level communication device, which permits the user to record and playback 64 to 192 distinct messages, each of 2.25 seconds in length (or 4.5 seconds for extended time). The Tech-Scan 32 is simple to operate. By turning the unit on, adjusting the volume, selecting the desired level and scan mode and pushing the message square or external switch, the communicator is activated.

### **RECHARGEABLE BATTERY PACK (OPTIONAL):**

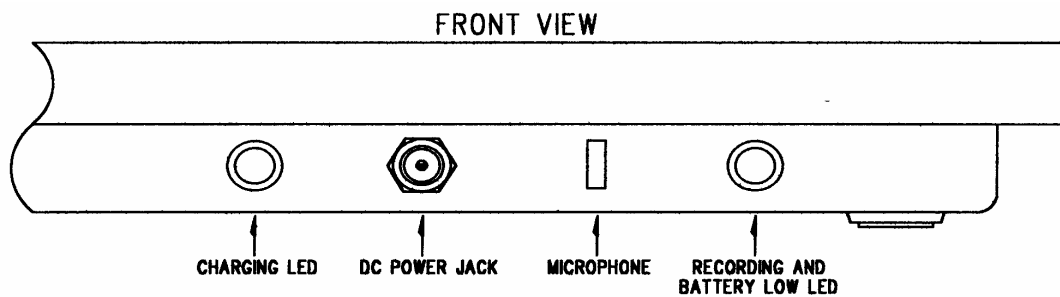
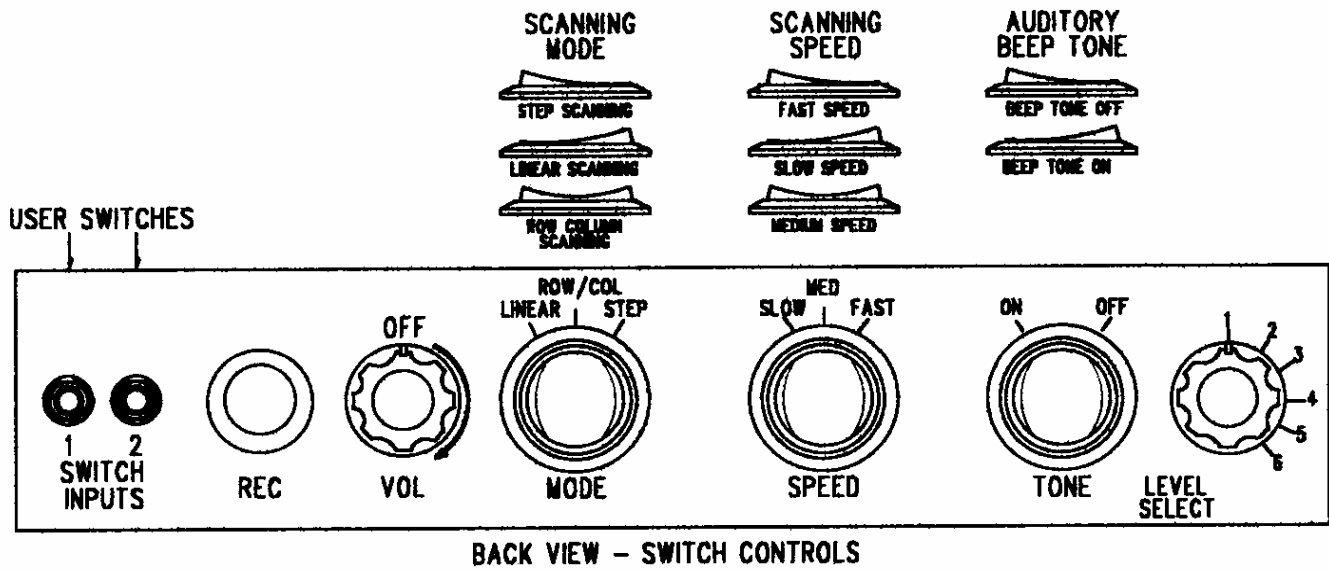
**THE RECHARGEABLE BATTERY PACK CAN BE ADDED INTO THE TECH-SCAN 32 FOR AN ADDITIONAL COST AND PROVIDES YOU WITH UP TO EIGHT HOURS OF USE WITH A RECHARGING TIME OF APPROXIMATELY FOUR HOURS. IT IS RECOMMENDED THAT THE UNIT BE FULLY CHARGED BEFORE USING FOR THE FIRST TIME.**

1. To charge the battery pack, plug the charging unit into an AC outlet.
2. Plug the other end of the charger into the front of the Tech-Scan 32. The charging LED will light, (RED for charging).
3. When the charging LED changes to GREEN, the battery pack is fully charged.
4. It is recommended that the unit be recharged nightly.

### **BATTERY INSTALLATION:**

NOTE: The battery compartment is located at the bottom of the Tech-Scan 32 on the left hand side under the battery compartment door, a Philips head screw locks the door in place.

1. Turn the Tech-Scan 32 OFF by turning the Volume Control knob in a counter-clock wise direction until you hear it click into the OFF position.
2. Turn the Tech-Scan 32 over so that the grid is lying face down onto a flat secure surface and the battery compartment door is visible.
3. Remove the Philips head screw from the battery compartment door. Push the battery compartment door clip in and lift the door out to expose the batteries.
4. Remove the old batteries and discard them in accordance with your local recycling laws.
5. Install the new batteries using 4 – AA type , but observe that the batteries are placed back in the proper direction.
6. Replace the battery compartment door and secure the Philips head screw back into place.



**RECORD OPERATION:**

**Note:** It is important during any recording operation that the built in microphone, located on the front right hand corner of the Tech-Scan 32 (see diagram – FRONT VIEW), is clear and open. For best results, place unit on a flat surface with the microphone facing you and record all messages in a quiet room. Be sure that the External User switch is not plugged into the unit while you are recording.

1. Turn the Tech-Scan 32 ON by turning the **VOLUME** control switch clockwise, until it clicks ON.
2. Select the **LEVEL** you wish to record on by turning the level selector switch.
3. Press and hold in the Internal Recording button, located on the back of the Tech-Scan 32.
4. Select one of the message squares on the face of the Tech-Scan 32, press and hold down that message square. Then begin to speak your message into the built in microphone located at the front right hand corner of the Tech-Scan 32 (see diagram – FRONT VIEW).
5. Release the message square when you are finished recording that message.
6. Repeat steps 2 through 4 for the remaining message squares.

**SELECTING SCAN MODE:**

**NOTE:** The **SCAN** Mode switch is located next to the ON/OFF Volume Switch, and is labeled **MODE**. The Scan Mode switch is a 3- way rocker switch that operates left, center and right (see diagram – BACK VIEW).

**Linear Mode: Single switch scanning only**

1. Set the scan **MODE** switch to the Left position, the Tech-Scan 32 is in the **LINEAR** mode.
2. Plug the external User Switch into the jack on the back the Tech-Scan 32 labeled Switch Input 1.
3. When the External User switch is activated, the LED will scan sequentially (message 1, message 2...message 32 and then return to message 1).
4. When the LED on the grid for the desired message is lit, depress the External user switch and the message will play.

#### **Row/Column scanning Mode:**

##### **Single switch Row/Column scanning:**

1. Set the scan MODE switch to the Center position, the Tech-Scan 32 is in the **ROW/COLUMN** mode.
2. Plug the external User switch into the jack on the back of the Tech-Scan 32 labeled Switch Input 1.
3. When the external User switch is activated, the LEDs will scan through each ROW (ROW-1, ROW-2, ROW-3 and ROW-4). When the desired ROW is lit, activate the external User switch and the Tech-Scan32 will sequentially scan each message in that Row (COLUMN-1, COLUMN-2... COLUMN-8 and then back to Column-1). When the desired message is lit activate the external User switch and the message will play.

##### **Double switch Row/Column scanning:**

1. Set the scan MODE switch to the Center position, the Tech-Scan 32 is in the **ROW/COLUMN** mode.
2. Plug the external User switches into the jacks on the back of the Tech-Scan 32 labeled Switch Inputs 1 and 2 (any switch plugged into the jack labeled Switch Input 2, the Tech-Scan 32 automatically goes into the Double switch scanning mode)..
3. Activating the external User switch plugged into the jack labeled Switch Input 1 all the LEDs in ROW 1 will light. To advance to the next ROW activate the external User switch again that is plugged into jack Switch Input 1. Each time the external User switch plugged into jack Switch Input 1 is activated, it will advance to the next ROW, from ROW 1 to ROW 4 and then back to ROW 1. When the desired ROW is lit, press the external switch plugged into the jack labeled Switch Input 2, then the LED in Column 1 of that ROW will light. To advance the LED to light in the next Column, activate the external User switch plugged into Switch Input 1. Each time the external User switch plugged into Switch Input 1 is activated, it will advance the LED to the next Column (COLUMN-1, COLUMN-2... COLUMN-8) and then back to Column 1 again. When the desired Column or message is lit, activate the external User switch plugged into jack Switch Input 2 and the message will play.

#### **Step scanning mode:**

##### **Single switch Step scanning:**

1. Set the scan MODE switch to the Right position, the Tech-Scan 32 is in the **Step** mode.
2. Plug the external User switch into the jack on the back of the Tech-Scan 32 marked Switch Input 1.
3. When the external User switch is activated, the LED will sequentially advance every time the external switch plugged into the jack labeled Switch Input 1 is activated. When the desired message is lit, do not activate the external User switch and in a short time the message will play (the delay time for when the message plays after the external User switch is not activated will depend on what the Scan Speed is set for (see Select Scan Speed below for time delays).

##### **Double switch Step scanning:**

1. Set the scan MODE switch to the Right position, the Tech-Scan 32 is in the **Step** mode.
2. Plug the external User switches into the jacks on the back of the Tech-Scan 32 labeled Switch Inputs 1 and 2 (any switch plugged into the jack labeled Switch Input 2, the Tech-Scan 32 automatically goes into the Double switch scanning mode)..
3. Activating the external User switch plugged into the jack marked Switch Input 1 to start the scanning will light the first LED and then each time the external User switch plugged into Switch Input 1 is activated, it will sequentially advance the LED from 1 to 32 and then back the LED 1. When the desired LED or message is lit, activating the external User switch plugged into the jack labeled Switch Input 2 will play the message.

#### **SELECTING SCAN SPEED:**

1. The Scan Speed switch is located next to the Level Switch, and is labeled SPEED. The Scan SPEED switch is a 3-way rocker switch that operates left center and right.
2. If the scan SPEED switch is set to the Left position, the Tech-Scan32 is in the SLOW speed (4 second delay)
3. If the scan SPEED switch is set to the Center position, the Tech-Scan32 is in the MEDIUM speed (2.0 second delay)
4. If the scan SPEED switch is set to the Right position, the Tech-Scan32 is in the FAST speed (.5 second delay)

#### **SETTING THE AUDITORY BEEP TONE:**

1. The Auditory Beep Tone switch is located next to the Speed Switch, and is labeled TONE. The Auditory Beep Tone switch is a 2-way rocker switch that operates left and right.
2. If the scan Auditory Beep Tone switch is set to the Left position, the Auditory Beep Tone is ON and a Beep Tone will be heard each time the LED advances.
3. If the scan Auditory Beep Tone switch is set to the Right position, the Auditory Beep Tone is OFF and no tone will be heard each time the LED advances.

### **PLAYBACK OPERATION (Scanning):**

Be sure that the external User switch is plugged into the proper jack located at the back of the unit labeled Switch Input 1 and/or 2 or else the Tech-Scan 32 will not operate as a scanning unit.

1. Plug in the external switch into the jack labeled Switch Input 1 for SINGLE SWITCH scanning and Switch Input 1 & 2 for DOUBLE SWITCH scanning on the back.
2. Select the LEVEL select switch to the LEVEL you wish to playback by turning the level selector switch.
3. Select the Scan MODE (Linear, Row/Column or Step), see "Selecting Scan Mode."
4. Select the Scan SPEED (Slow, Medium or Fast), see "Selecting Scan Speed."
5. Turn the Tech-Scan32 ON by turning the VOLUME control switch clockwise, until it clicks ON.
6. Set the VOLUME control, turning clock wise, at the desired playback volume.
7. Scanning LEDs will start once the external User switch plugged into the jack labeled Switch Input 1 is activated, when the LED lights at the desired message activating the external User switch will play the message. **READ THE INSTRUCTIONS FOR SELECTING SCAN MODE FOR A COMPLETE DESCRIPTION OF WHICH EXTERNAL USER SWITCH TO USE TO PLAY THE MESSAGE.**
8. After 5 scans if no message is played the Tech-Scan 32 will automatically go into sleep mode. To reactivate - activate the external User Switch

### **PLAYBACK OPERATION (Direct Select):**

**NOTE:** When the external User switch is removed or not plugged into the jack or jacks marked Switch Input 1 & 2 the unit is set into the Direct Select mode and will not scan.

1. Turn the Tech-Scan 32 ON by turning the VOLUME control switch clockwise, until it clicks ON.
2. Set the VOLUME control, turning clock wise, at the desired playback volume.
3. Select the LEVEL select switch to the Level you wish to playback by turning the level selector switch.
4. Select one of the 32 message squares on the face of the Tech-Scan32 and depress that message square for message playback.

### **OVERLAY DESIGN AND LAYOUT:**

Graphic overlays (picture cards) can be changed easily by simply sliding the overlay through the slot on the right side of the housing grid. There are several methods you can use to make overlays for the Tech-Scan 32. Options include:

1. Draw or print corresponding icons or words on a sheet of 6" x 13 1/4" paper. Section each icon so that it appears in each of the 32 message switch cutouts
2. Develop custom overlay using Mayer Johnson's BOARDMAKER™ Software.

### **CLEANING THE TECH-SCAN 32 :**

**Note:** DO NOT SUBMERGE THE TECH-SCAN 32 INTO WATER OR ALLOW WATER TO ENTER THE EXTERNAL SPEAKER, RECORD JACK OR SPEAKER HOLES. **THE TECH-SCAN 32 IS WATER RESISTANT-NOT WATERPROOF.**

1. Turn the Tech-Scan 32 to the off position.
2. Remove the overlay from the switch grid.
3. Use a wet wash cloth and mild soap to wipe the soiled areas clean.
4. Use a wet sponge with cold water to wipe the soapy areas.

### **CARE AND MAINENANCE:**

The Tech-Scan 32 is designed to automatically enter a sleep mode after a message is played. The sleep mode is still an active mode and will affect battery life. If the Tech-Scan 32 is not going to be used for a long period of time (2 to 3 hours) it is recommended that the unit be turned off.

### **IF THE TECH-SCAN32 SHOULD FAIL TO OPERATE, OR OPERATE INCORRECTLY, FOLLOW THESE STEPS:**

1. Check to see if the Tech-Scan 32 is ON and if a message has been recorded at that level.
2. Make sure there are no obstacles blocking the message membrane square.
3. Turn the Tech-Scan 32 OFF for 15 Seconds, then turn it back ON and try playback again.
4. Make sure that the batteries are in the battery holder in the proper direction.
5. If you have a unit with the optional rechargeable battery pack, make sure that the batteries in the Tech Scan 32 are fully charged.
6. Remember – SCAN mode will not function without the external User switch.
7. For further assistance, feel free to contact our technical support team at 1-888-353-AMDI (2634).

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