



SMART/SCAN 32 PRO AUGMENTATIVE COMMUNICATION DEVICE INSTRUCTION SHEET

Congratulations on your purchase of the Smart/Scan 32 PRO Scanning Communicator. The SMART/SCAN 32 PRO IS A MULTI-LEVEL, 3 MODE SCANNING THAT ALSO HAS USER DEFINED SCANNING SEQUENCES AUGMENTATIVE COMMUNICATOR THAT OFFERS HIGH QUALITY, RELIABLE PERFORMANCE, AS WELL AS MANY OTHER IMPORTANT FEATURES FOR A VERY AFFORDABLE PRICE. SMART/SCAN32 PRO IS MANUFACTURED TO THE HIGHEST COMMERCIAL STANDARDS TO PROVIDE MANY YEARS OF RELIABLE OPERATION. WE FULLY GUARANTEE THE SMART/SCAN32 PRO'S OPERATION FOR A FULL YEAR, INCLUDING PARTS AND LABOR.*

DISTINCTIVE FEATURES OF THE SMART/SCAN 32 PRO

- SCANNING QUES (LEDs) ARE IN THE GRID, ABOVE THE OVERLAY, MAKING OVERLAYS SIMPLE TO PRODUCE.
- VERY SIMPLE TO OPERATE, 5 SWITCHES ON THE BACK HIDDEN BEHIND A PANEL DOOR CONTROL ALL FUNCTIONS.
- USER DEFINED PROGRAMMED SCANNING SEQUENCE. SCAN FROM 2 TO 32 LOCATIONS IN ANY ORDER OR DIRECTION.
- STANDARD RECHARGEABLE BATTERY PACK PROVIDES YOU WITH UP TO EIGHT HOURS OF USE, RECHARGES IN ABOUT FOUR HOURS.
- SINGLE OR DOUBLE SWITCH OPERATION FROM AN EXTERNAL SWITCH
- AUTO SLEEP WHEN SMART/SCAN 32 PROS IS INACTIVE FOR 5 SWEEPS AND WAKENS WITH A TOUCH OF THE USER SWITCH.
- SMART OVERLAY SYSTEM, SIMPLY PUNCH A HOLE IN THE DESIGNATED LOCATION ON THE OVERLAY TO KEY THE LEVEL.
- ALL VOICE RECORDINGS ARE STORED ONTO A FLASH IN THE COMPARTMENT ON THE BOTTOM.
- CARRYING HANDLE FOR EASE OF TRANSPORTING.
- DROP RESISTANT, ABLE TO WITHSTAND ROUGH HANDLING.
- WATER RESISTANT FOR EASY CLEANING.
- AUDITORY PROMPTS FOR EACH MESSAGE
- 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 192 INDEPENDENT MESSAGES ON 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 THAT CAN DESIGNED FROM OUR OVERLAY DESIGNER OR 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 Smart/Scan32 PRO (see diagram – BACK VIEW).

The Smart/Scan32 PRO scanning augmentative communicator is a self-contained 6 level communication device, which permits the user to record and playback 192 distinct messages, each of 10 seconds in length. The Smart/Scan32 PRO is simple to operate. By turning the unit on, adjusting the volume, sliding in the overlay with the hole punched to the desired level (see Overlay Design and Layout) and select the scanning mode and pushing the message square or external switch, the communicator is activated.

RECHARGEABLE BATTERY PACK:

THE RECHARGEABLE BATTERY PACK IS A STANDARD FEATURE ON THE SMART/SCAN 32 PRO 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 jack on the back of the Smart/Scan 32 PRO labeled **CHARGE**. 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.

RECORD OPERATION:

Note: It is important during any recording operation that the built in microphone, located on the front right hand corner of the Smart/Scan 32 PRO, 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. It is recommended that you record all the Auditory Prompts at one time, then all the Normal Messages at one time to prevent having to switch back and forth between the 2 modes.

1. Turn the Smart/Scan 32 PRO ON by lifting the panel door on the back and sliding the **VOLUME** control wheel to the left, until it clicks ON.
2. Select the **LEVEL** you wish to record on by sliding in the overlay with the hole punch for the desired level (see Overlay Design and Layout below).
3. Set the **SELECT** switch to **STD**.
4. Set the **PROGRAM** switch to the type of message that you wish to record on **AUDITORY (AUDI)**, **NORMAL (NORM)**, or **ROW** prompt (see diagram – BACK VIEW).

Programming the Auditory Prompts:

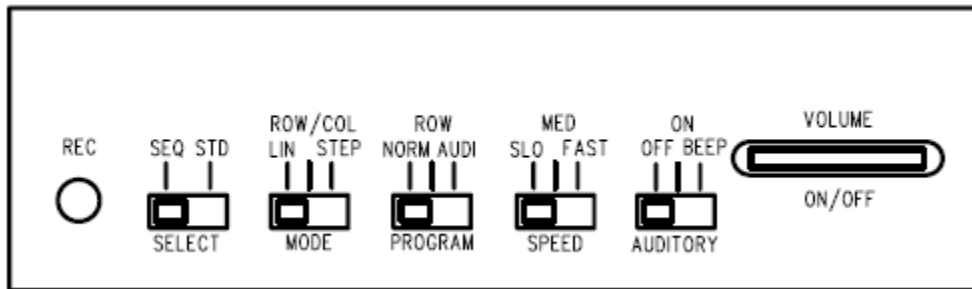
1. Set the **SELECT** switch to **STD** and the **Program** Mode select switch to **AUD**, you will be recording the auditory prompts. These prompts have a maximum message length of 3 seconds.
2. Press and hold in the built-in record button. **The record button must be engaged for the entire recording process.**
3. Press one of the 32 message squares on the face of the Smart/Scan 32 PRO momentarily.
4. When the recording LED on the top right corner of the grid begins to flash speak your message into the built in microphone located at the front right hand corner of the Smart/Scan 32 PRO.
5. Release the RECORDING button when you are finished speaking the message.
6. Repeat steps 2 through 5 for the remaining message squares.

Programming the Normal Messages:

1. Set the **SELECT** switch to **STD** and the **Program** Mode select switch to **NORM**, you will be recording the full message itself; follow steps above (Programming the Auditory Prompts) 2 to 5 to program each message. These messages have a maximum message length of 10 seconds.

Programming the Row Prompts:

1. Set the **SELECT** switch to **STD** and the **Program** Mode select switch to **ROW**, you will be recording the row titles. Follow steps above (Programming the Auditory Prompts) 2 to 5 to program each row title, use the first message square in each row. Maximum message length for each ROW prompt is 3 seconds.



BACK VIEW

SELECTING SCAN MODE:

NOTE: The **SCAN** Mode switch is located next to the **SELECT** switch, and is labeled **MODE**. The Scan Mode switch is a 3 position slide 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 labeled **LIN**, the Smart/Scan 32 PRO is in the **LINEAR** mode.
2. Plug the external User Switch into the jack on the back the Smart/Scan 32 PRO labeled **SW 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 labeled **ROW/COL**, the Smart/Scan 32 PRO is in the **ROW/COLUMN** mode.
2. Plug the external User switch into the jack on the back of the Smart/Scan 32 PRO labeled **SW 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 Smart/Scan 32 Plus 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 labeled **ROW/COL**, the Smart/Scan 32 PRO is in the **ROW/COLUMN** mode.
2. Plug the external User switches into the jacks on the back of the Smart/Scan 32 PRO labeled **SW 1** and **SW 2** (any switch plugged into the jack labeled **SW 2**, the Smart/Scan 32 PRO automatically goes into the Double switch scanning mode).
3. Activating the external User switch plugged into the jack labeled **SW 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 **SW 1**. Each time the external User switch plugged into jack labeled **SW 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 **SW 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 **SW 1**. Each time the external User switch that is plugged into **SW 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 labeled **SW 2** and the message will play.

Step scanning mode:

Single switch Step scanning:

1. Set the scan MODE switch to the Right position label **STEP**, the Smart/Scan 32 PRO is in the **Step** mode.
2. Plug the external User switch into the jack on the back of the Smart-/Scan 32 PRO labeled SW 1.
3. When the external User switch is activated, the LED will sequentially advance every time the external switch plugged into the jack labeled SW 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 (see Select Scan Speed below for time delays).

Double switch Step scanning:

1. Set the scan MODE switch to the Right position labeled **STEP**, the Smart/Scan 32 PRO is in the **Step** mode.
2. Plug the external User switches into the jacks on the back of the Smart/Scan 32 PRO labeled SW 1 and SW 2 (any switch plugged into the jack labeled SW 2, the Smart/Scan 32 PRO automatically goes into the Double switch scanning mode).
3. Activating the external User switch plugged into the jack labeled SW 1 to start the scanning will light the first LED and then each time the external User switch plugged into the jack labeled SW 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 SW 2 will play the message.

SELECTING SCAN SPEED:

1. The Scan Speed switch is located on the back behind the panel door, and is labeled **SPEED**. The Scan SPEED switch is a 3 position slide switch that operates left, center and right.
2. If the scan SPEED switch is set to the Left position, the Smart/Scan32 PRO is in the SLOW speed (4 second delay)
3. If the scan SPEED switch is set to the Center position, the Smart/Scan32 PRO is in the MEDIUM speed (2.0 second delay)
4. If the scan SPEED switch is set to the Right position, the Smart/Scan32 PRO is in the FAST speed (.5 second delay)

SELECTING THE AUDITORY MODE:

1. The Auditory Mode switch is located next to the Speed Switch, and is labeled **AUDITORY**. The Auditory Mode switch is a 3 position slide switch that operates left, center and right.
2. If the scan Auditory Mode switch is set to the CENTER position, the Auditory prompts are ON and will play an auditory prompt each time the LED advances.
3. If the scan Auditory Mode switch is set to the LEFT position, the Auditory prompts are OFF and will not play through the speaker, but they will play through the headset jack or ear piece located on the left side of the Smart/Scan 32 PRO. There is a volume control for the headset jack as well on the left side of the Smart/Scan 32 PRO.
4. If the scan Auditory Mode switch is set to the Right position, the Auditory prompts are OFF and a Beep Tone will be heard each time the LED advances. The Beep Tone will not be heard in the headset or ear piece.

PROGRAMMING THE SEQUENCE SCANNING:

Note: The programmed sequence scanning is only for the LINEAR and STEP modes. In the sequenced scanning the User can define how many cells are to be scanned (2 to 32), what order and what direction (up or down, right to left, left to right). A cell location can not be repeated in the sequence. Each level must be programmed for the scanning sequence, which allows for different scanning methods on different levels.

1. Set the **SELECT** switch to the Sequence (**SEQ**) scanning mode.
2. Select the **LEVEL** you wish to record on by sliding in the overlay with the hole punch for the desired level (see Overlay Design and Layout below).
3. Press and hold in the RECORDING button next to the SELECT switch.
4. When the recording LED turns on, release the recording button.
5. Press each cell you want to be scanned and in what order. Make sure that each time you press the cell that the recording LED turns OFF and then back ON again. This means that the cell location was accepted and entered into the memory.
6. Once all the cell locations are programmed, press the Recording button again to finish the programming.

Note: If you wait too long in between steps, the program will time out, the recording LED will turn OFF and you will have to start over again.

PLAYBACK OPERATION (Scanning):

Be sure that the external User switch is plugged into the proper jack located at the back of the unit labeled SW 1 and/or SW 2 or else the Smart/Scan 32 PRO will not operate as a scanning unit. When the SELECT switch is set in the STD position, the standard ROW/COLUM, STEP and LINEAR modes will be performed regardless of what was programmed by the User in scanning sequence. If the SELECT switch is set to the SEQ, then the User defined programming sequence will be performed.

1. Plug in the external switch into the jack labeled SW 1 for SINGLE SWITCH scanning and SW 1 & SW 2 for DOUBLE SWITCH scanning on the back.
2. Select the LEVEL by sliding in the overlay with the hole punched to the desired LEVEL you wish to playback on one of the six levels (see Overlay Design and Layout below).
3. Select the scanning method Standard and Sequenced by setting the SELECT switch to either SEQ or STD.
4. Select the Scan MODE (Linear, Row/Column or Step), see "Selecting Scan Mode."
5. Select the Scan SPEED (Slow, Medium or Fast), see "Selecting Scan Speed."
6. Turn the Smart/Scan 32 PRO ON. Turn the VOLUME control wheel to the left, until it clicks ON.
7. Slide the VOLUME control wheel to the left to set the Smart/Scan 32 PRO to the desired playback volume.
8. Scanning LEDs will start once the external User switch plugged into the jack labeled SW 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.**

- After 5 scans if no switch is activated the Smart/Scan32 PRO 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 SW 1 & SW 2 the unit is set into the Direct Select mode and will not scan. The Program Select switch on the Smart/Scan 32 PRO must be set to the NORM position and the SELECT switch set to STD in order to play back the full messages.

- Turn the Smart/Scan 32 PRO ON. Turn the VOLUME control wheel to the left, until it clicks ON.
- Continue to slide the VOLUME control wheel to the left until the desired playback volume is reached.
- Set the LEVEL by sliding in the overlay with the hole punched to the desired level to be played back.
- Select one of the 32 message squares on the face of the Smart/Scan 32 PRO and depress that message square for message playback.

HEADSET USAGE or EAR PIECE (scanning mode):

When the headset or ear piece is plugged into the jack in the left side of the unit, all of the AUDITORY PROMPTS and NORMAL messages will be heard through the headset or ear piece and speaker when the AUDITORY switch is in the ON position. The Auditory prompts only will be played through the headset jack or ear piece when the AUDITORY switch is in the OFF position. The Beep tone is not heard in the headset or ear piece.

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 Smart/Scan32 PRO. Options include:

- 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.
- Develop custom overlays with our Overlay Designer.
- Develop custom overlay using Mayer Johnson's BOARDMAKER™ Software.

Hole Pattern for Level Selection:

Templates are available on the INSTRUCTION CD and on our website www.amdi.net for Overlay/Designer and Mayer-Johnson Boardmaker.

	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
1	●	○	○	●	○	●
2	○	●	○	○	●	●
3	○	○	●	●	●	●

Level 1 – punch hole 1 only

Level 2 – punch hole 2 only

Level 3 – punch hole 3 only

Level 4 – punch hole 3 and 1

Level 5 – punch holes 3 and 2

Level 6 – punch holes 3 and 2 and 1

CARE AND MAINTENANCE:

The Smart/Scan32 PRO 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 Smart/Scan32 PRO 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 Smart/Scan32 PRO should fail to operate, or operate incorrectly, follow these steps:

- Check to see if the Smart/Scan 32 PRO is ON and if a message has been recorded at that level.
- Make sure there are no obstacles blocking the message membrane square.
- Turn the Smart/Scan32 PRO OFF for 15 Seconds, then turn it back ON and try playback again.
- Make sure that the batteries in the Smart/Scan 32 PRO are fully charged.
- Remember – SCAN mode will not function without the external User switch.
- For further assistance, feel free to contact our technical support team at: 1-888-353-AMDI (2634).

95 SHERWOOD AVE., FARMINGDALE, NY 11735
PHONE: (631) 531-8888 FAX: (631) 531-8811
1-888-353-AMDI
http://www.amdi.net