



TECH/SPEAK™ WITH RF/IR ENVIRONMENTAL CONTROLS AUGMENTATIVE COMMUNICATION DEVICES W/LEVELS INSTRUCTION SHEET

Congratulations on your purchase of the Tech/Speak™ with Environmental Controls Communicator. The TECH/SPEAK ECU IS A MULTI-LEVEL AUGMENTATIVE COMMUNICATOR THAT OFFERS THE ABILITY TO CONTROL ANY ELECTRIC APPLIANCE YOU CAN PLUG INTO AN AC OUTLET OR LIGHT FIXTURE AS WELL AS INFRARED CONTROLS. TECH/SPEAK ECU ALSO OFFERS HIGH QUALITY, RELIABLE PERFORMANCE, AS WELL AS MANY OTHER IMPORTANT FEATURES FOR A VERY AFFORDABLE PRICE. THE TECH/SPEAK ECU IS MANUFACTURED TO THE HIGHEST COMMERCIAL STANDARDS TO PROVIDE MANY YEARS OF RELIABLE OPERATION. WE FULLY GUARANTEE THE TECH/SPEAK ECU OPERATION FOR A FULL YEAR, INCLUDING PARTS AND LABOR.*

DISTINCTIVE FEATURES OF THE TECH/SPEAK ECU

- DROP RESISTANT, ABLE TO WITHSTAND ROUGH HANDLING.
- WATER RESISTANT FOR EASY CLEANING.
- THE SHATTERPROOF CASE IS MADE OF A HIGH IMPACT PLASTIC.
- **"REAL-VOICE"** HIGH QUALITY AUDIO REPRODUCTION.
- ALLOWS YOU TO PROGRAM, RECORD AND PLAYBACK 192 INDEPENDENT MESSAGES ON 6 LEVELS, 32 MESSAGES PER LEVEL, ADDITIONALLY THE RECORDING TIME IS CONTROLLED WITH OUR BUILT IN **"TIME-LOCK."**
- PROGRAM UP TO 32 AC REMOTE OUTLET RECEIVERS OR LIGHT BULBS.
- PROGRAM UP TO 8 DIFFERENT INFRARED CONTROLS. SUCH AS POWER, CHANNELS OR VOLUME.
- OPTIONAL INPUT JACKS ARE AVAILABLE
- MESSAGES CAN BE STORED FOR UP TO 100 YEARS WITH NO POWER.
- BATTERY LOW INDICATOR LIGHT.
- IN ADDITION TO THE BUILT IN SPEAKER AND RECORD SWITCH, JACKS ARE PROVIDED FOR EXTERNAL HOOK UPS FOR EACH.
- 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/Speak ECU (see diagram – BACK VIEW).

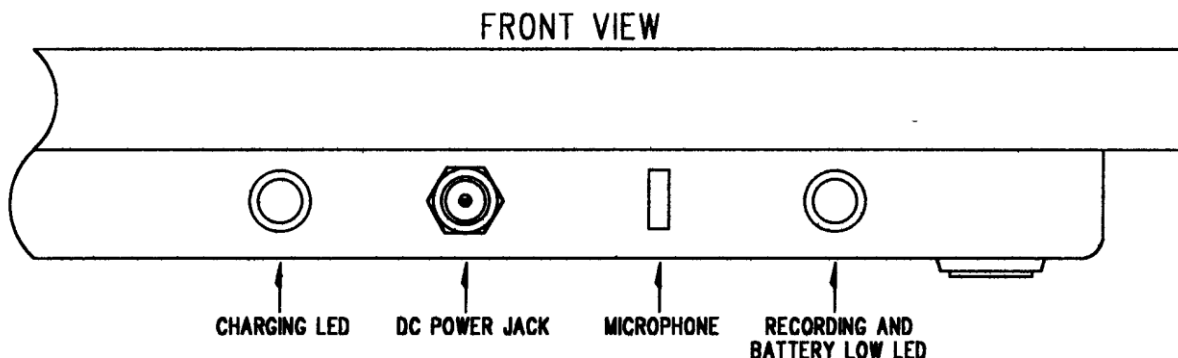
The Tech/Speak ECU is a self-contained 6 level communication device, which permits the user to record and playback 192 distinct messages, each of 2.25 seconds in length. The Tech/Speak ECU is simple to operate, just turn the unit on, adjust the volume, select the desired level and push the pictures to activate the corresponding messages.

THE RECHARGEABLE BATTERY PACK IS A STANDARD FEATURE ON THE TECH/SPEAK ECU AND PROVIDES YOU WITH UP TO EIGHT HOURS OF USE WITH A RECHARGING TIME OF APPROXIMATELY FOUR HOURS.

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/Speak ECU (see diagram – FRONT VIEW). The charging LED will light, (RED for charging).
3. When the charging LED changes to GREEN, the battery pack is fully charged. It is recommended that the unit be recharged nightly. But, allow the battery to be fully drained and then recharged every 3 months

BATTERY LOW INDICATOR:

1. The Battery Low indicator is the Recording LED located in the front right hand side of the Tech/Speak ECU.
2. When the batteries are Low, the LED will flash On and Off.
3. During Record, the LED will stay on for the length of time the message is being recorded.



RECORD OPERATION:

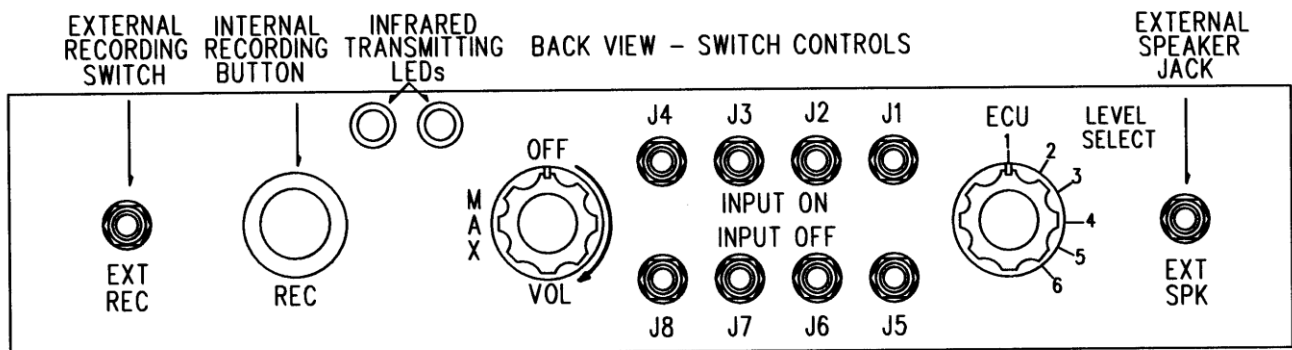
Note: It is important that the built-in microphone located on the front right-hand side of the Tech/Speak ECU is open and clear during recording.

1. Turn the Tech/Speak ECU ON. Turn the VOLUME control switch clockwise, until it clicks ON.
2. Set the VOLUME control, turning clockwise, until it reaches the desired volume level.
3. Select the LEVEL you wish to record on. This is done by turning the level selector switch to one of the up to six levels.
4. Press and hold the built-in recording button. The recording button must be engaged for the entire recording process.
NOTE: If you are using the optional external record switch, plug the external record switch in to the jack on the back labeled EXT REC.
5. Select one of the 32 message squares on the face of the Tech/Speak ECU and depress and hold that message square down, begin to say your message into the built in microphone located on the front right hand side of the Tech/Speak ECU.
6. When you are finished saying the message, release the message square.
7. Each of the remaining message squares are programmed in the same manner.

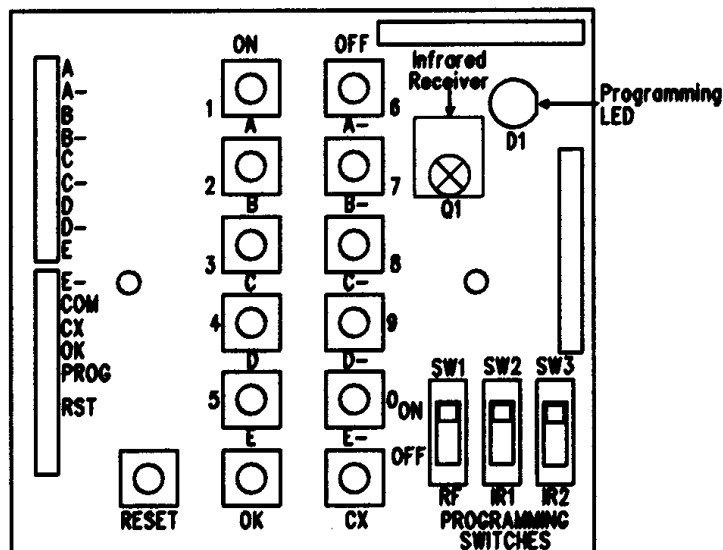
PLAYBACK OPERATION:

*If you are using the optional external speaker, be sure to plug the external speaker in to the jack on the back of the unit labeled EXT SPK and then perform steps 1 through 4.

1. Turn the Tech/Speak ECU ON. Turn the VOLUME control switch clockwise, until it clicks ON.
2. Set the VOLUME control by turning clockwise to the desired playback volume.
3. Select the LEVEL you wish to playback. This is done by turning the level selector switch to one of the up to six levels.
4. Select one of the 32 message squares on the face of the Tech/Speak ECU and depress that message square for message playback.



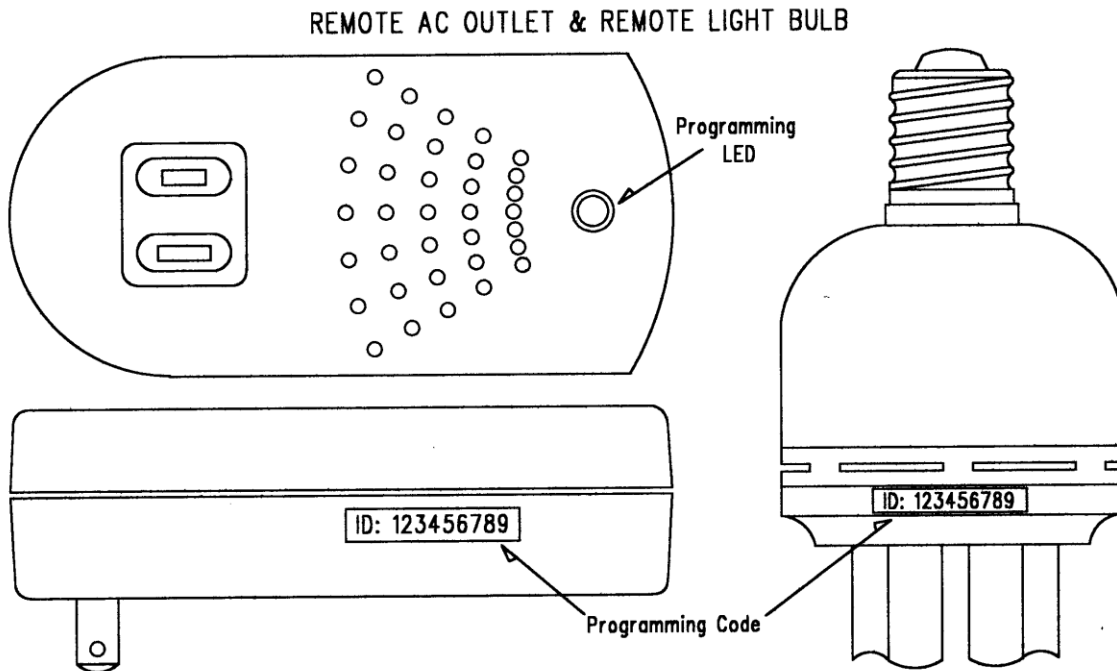
Back View

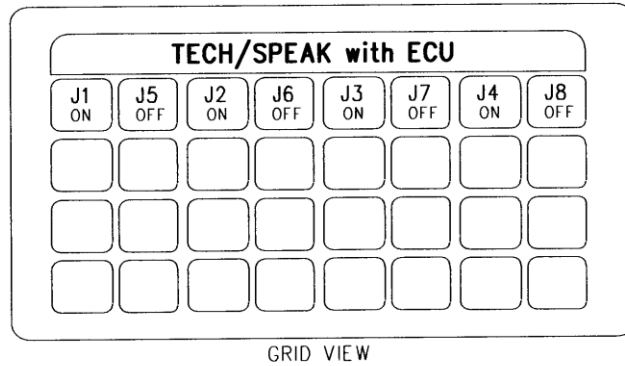


Programming Keypad

PROGRAMMING THE ENVIRONMENTAL CONTROL LOCATIONS:

1. Place the unit face down on a flat surface so that the bottom is seen.
2. Set the level Select switch to ECU (level 1).
3. Remove the screw holding the door for the keypad closed.
4. Remove the door by pressing the clip forward and unlocking the door.
5. The programming keypad will be visible (see diagram – Programming Keypad).
6. Turn the power On by turning the Volume control clockwise.
7. Plug in the remote AC outlet device or Remote Light Bulb to be controlled either into an AC outlet or into a light socket. When power to the Remote Light Bulb is applied, the light bulb will turn ON.
8. Slide the PROGRAM switch RF up to the ON position.
9. Dial in the 9 digit Programming ID code (see diagram REMOTE AC OUTLET & REMOTE LIGHT BULB) from the device that you are going to control using the keypad (the Programming ID code is labeled on each device). The numbering sequence for the keypad (see diagram – BOTTOM VIEW) is from the top left A=1, B=2, C=3, D=4, E=5, (top right), A - =6, B - =7, C - =8, D - =9 & E - =0.
10. After entering the 9 digit ID code press OK (bottom middle button on the keypad). The LED on the remote AC outlet will turn on. The Remote Light Bulb will turn OFF.
11. Select the position you want to store the Programming ID code into: A, B, C or D on the left side of the keypad in the ON column. A is for the first position (J1 on the diagram GRID VIEW) top left position on the front of the device. B is for the next position to the right (J2), C is for (J3) & D is for (J4). All the top membrane positions (J1 to J4) are used to turn ON the remote devices. All the lower membrane positions (J5 to J8) will turn OFF the remote devices. Once you program the membrane position on top to turn ON a remote device, the OFF position below it is automatically programmed to turn OFF the remote device.
12. Press the OK button again, the LED on the remote AC outlet will flash and the Remote Light Bulb will flash on and off, this means the membrane position is programmed.
13. Slide the PROGRAM switch RF down to the OFF position.
14. Repeat steps 6 thru 12 for the next remote device. You can program up to 8 remote devices into each ON position. Once the ON position is programmed, the OFF position is automatically programmed.
15. The 4 remote devices that come with the Tech/Speak ECU are already preprogrammed. The colored dot on each remote device relates to the position where it is programmed. RED is for position J1, BLUE is for position J2, GREEN is for position J3 and YELLOW is for position J4.



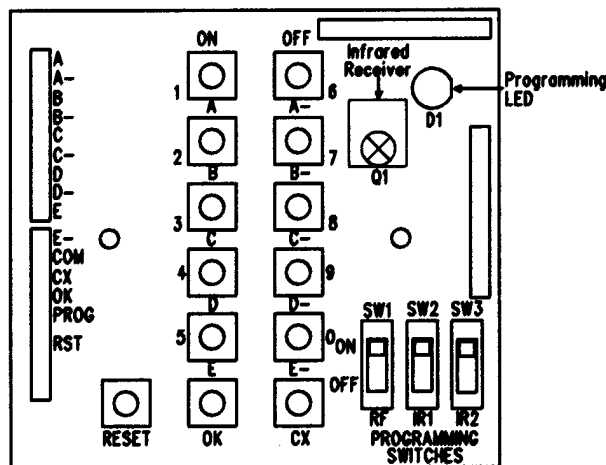


CLEARING THE PROGRAMMED POSITION:

1. Place the unit face down on a flat surface so that the bottom is seen.
2. Remove the screw holding the door for the keypad closed.
3. Remove the door by pressing the clip forward and unlocking the door.
4. Turn the power On by turning the Volume control clockwise.
5. Plug in the remote device to be controlled either into an AC outlet or into a light socket if you are controlling a remote light bulb.
6. Slide the PROGRAM switch RF up to the ON position.
7. Dial in the 9 digit Programming ID code (see diagram REMOTE AC OUTLET & REMOTE LIGHT BULB) from the device that you are going to control using the keypad (the Programming ID code is labeled on each device). The numbering sequence for the keypad (see diagram – BOTTOM VIEW) is from the top left A=1, B=2, C=3, D=4, E=5, (top right), A - =6, B - =7, C - =8, D - =9 & E - =0.
8. Press the OK button, the Programming LED on the Remote AC receiver will turn ON.
9. Press and hold the CX button down (next to the OK button), The LED on the remote AC receiver will flash 2 times or the Remote Light Bulb will flash 2 times.
10. Press the OK button again, the programmed number is cleared from that location.

PROGRAMMING THE INFRARED CONTROL LOCATIONS:

1. Place the unit on a flat stable surface.
2. Set the level Select switch to Level 2.
3. Turn the power On by turning the Volume control clockwise.
4. Set Programming Switch IR1 (on the Programming Keypad) to the ON position (see diagram below).
5. Point the transmitting LED of your remote that you want to copy directly at the infrared receiver on the Programming Keypad (see diagram below) and place it about 1/4" away.
6. Press and hold down the button on your remote that you want to copy for 10 seconds then release, the programming LED on the Programming Keypad should turn Red and stay ON.
7. Press one of the Programming buttons 1,2,3,4,6,7,8,9 (see diagram below) Buttons 1 thru 4 & 6 thru 9 relate to the top row of 32 position membrane. 1 relates to the top left (J1 see diagram Grid View above) and the remaining button follow along in numbered order to the right where 9 is the right most position of the top row or J8.
8. Press and hold the same button on your remote again until the Programming LED on the Programming Keypad flashes.
9. Press the same Programming button position again that you pressed in step 6, the programming LED will flash twice.
10. Press the Programming button position again to finalize the programming of that button.
11. Set the Programming Switch to the OFF position.
12. Repeat steps 4 through 11 to program the next Infrared command.



OPTIONAL INPUT JACKS:

The first 4 jacks labeled J1, J2, J3 and J4 on the back of the Tech/Speak ECU are Input jacks (see diagram – BACK VIEW for jack locations) that control all the ON positions of the membrane. The bottom 4 jacks J5, J6, J7, and J8 are input jacks that control all the OFF positions on the membrane (see diagram – GRID VIEW) for related positions between the jacks and the membrane.

OVERLAY DESIGN AND LAYOUT:

Graphic overlays (picture card) can be changed easily by simply sliding the overlay through the side slot of the housing grid. There are a couple of methods you can use to make overlays for the Tech/Speak ECU. Options include:

1. Drawing or printing 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 square cutouts.
2. Developing your custom overlay using Mayer Johnson's BOARDMAKER™ Software.

CLEANING THE TECH/SPEAK ECU

Note: DO NOT SUBMURGE THE TECH/SPEAK ECU IN WATER OR ALLOW WATER TO ENTER THE EXTERNAL SPEAKER, RECORD JACK OR SPEAKER HOLES... THE TECH/SPEAK ECU IS WATER RESISTANT – NOT WATER PROOF.

1. Turn the Tech/Speak ECU off.
2. Remove the overlay from the switch grid.
3. With a wet wash cloth and mild soap wipe the soiled areas clean.
4. To rinse, use a wet sponge (cold water) and wipe the away the soapy area.
5. The grid can easily be removed for cleaning by unscrewing the 6 Phillips head screws on the back of the Tech/Speak ECU.

Care and Maintenance

The Tech/Speak ECU is designed to automatically power down after a message is played. However, the power down mode is still an active mode and will drain some power from the battery, affecting battery life. Therefore, if the Tech/Speak ECU 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.

1. Check that the Tech/Speak ECU is ON and a message has been recorded at that level.
2. Make sure that there are no obstacles blocking the message membrane square.
3. Turn the Tech/Speak ECU OFF for 15 Seconds, then back ON and retry playback.
4. For further assistance, feel free to contact our technical support team at 1-888-353-AMDI (2634).

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