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QUICK INSTALLATION MANUAL

DSA3-4M

"Digital Sound Announcer"

Manual Release: November 08, 2024



Designed And Manufactured By Commercial Sound Services, Texas City, Texas



DSA3-4M

"Digital Sound Announcer"

(A SELF CONTAIN SOUND SYSTEM)

Thank you for purchasing the **New Digital Sound Announcer** known as the **DSA3-4M**. This system is our 3rd Generation of our DSA family, designed to deliver up to 16 prerecorded announcements for Safety Announcements, Theme Park information, Amusement Rides, Go-Karts Tracks, to name a few. The DSA3 announcement system will playback the exact wording for the announcement every time to assure the announcement will be the same each and every time it is played. This prevents a live operator from accidentally leaving out a part or mistaking the announcement allowing a potential lawsuit in the event an accident. This system is a self contained unit with an MP3 player that can playback up to 16 pre-recorded messages correct every time. Each DSA3-4M is hand made for each order, each unit is made at our facility by our trained technical staff in Texas City, Texas. Your DSA3 can be ordered with optional external switches, sensors, timers, and wireless remote control or it can be added to your DSA3 to make announcements play automatically. **In the event of an unlikely problem with the DSA, our overnight repair/exchange unit will get you back to normal within 24-hrs. after receiving your call.**

FOR SERVICE

(409) 795-0182

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BOX INCLUDE (1-Box)

DSA3-4M Master Unit (1)
DSA-Mic-U Microphone (1)
MicroSD Writer/Reader (1)
MicroSD Card & Case (2)
Power Supply 12vdc/6a (1)
Power Supply Cable, (White) 18ga/2c, 20' (1)
Power Supply Weatherproof Enclosure (White) (1)
Self Tapping Hex Head Mounting Screws (12)
Fender Washers (For Mounting DSA3) (3)
8mm Hex Driver (for drill) Mounting Screws (1)
Allen Wrench (for speaker bracket) (1)
Tube Silicon (1)
Q-Tips (4)
Extra Blue Wire Nuts (4)
4" Small Zip Ties (6)
8" Med Zip Ties (6)
Installation/Service Manual (1)



This system is self contain system with preamp and dual 50-watt audio power amplifier, this system is intended to be use with the DA-Speakers.

INSTALLATION

1. Decide on the best location for the DSA3-4M Spiel's box, All the wires should be hidden from view and protected from the weather.
2. Unlatch and open door, disconnect the Yellow Cat-6 Coupler from the Spiel Module Cat-6 Cable.
3. Disconnect the small Black quick disconnect plug at the top of the enclosure enclosure, push the small clip with the white stripe and pull the cable connectors apart.
4. Remove the (2) screws a the top and bottom of the mounting plate to remove the spiel module. Hold the microphone connector on the back of the spiel module and remove the module and plate at a slight angle and set aside for now.
5. Mount and level the DSA enclosure using the provided mounting screws and hex driver. (2-3) screws holds the DSA very well, down the middle.
6. Mount the **DSA-WHITE** power supply enclosure to protect the power supply from the weather, mount near a 120vac receptacle. Use the screws included with the enclosure to mount.
7. Route the White Power Cable from the the power supply enclosure to the DSA3 enclosure, cut off any excess from the 20' included power cable, or just curl up. Strip the white cable at the power supply end and connect to the Green Connector on the power supply cable 12vdc cable (red) + (black) - This will allow for a quick disconnect from a bad power supply to install a new in a few seconds, if a problem ever arises.
8. For the DSA3 enclosure, route the power cable thru the beige wire gland (loosen first) route the white cable to the Red & Black wires on the right side of the enclosure which is labeled **12vdc Power**. Use included Blue Wire Nuts and connect the white cable from power supply to this connecting wires. Use the included Zip-Ties and secure the power cable to the other wires that is already there, secure, make it look nice and neat, keep out of the way of the Spiel Module and plate.
9. After mounting the speakers at the desire location, route and hide the speakers wires and route them to the DSA3 beige wire gland. Connect one speaker cable to one set of orange and black twisted cable labeled "Speaker".. it does not make any difference left or right, the system is playing in mono mode.



INSTALLATION

10. Screw-on the Microphone connector (under bottom of enclosure) to connect the microphone. Now install the MicroSD Card If it is not already in place, install the MicroSD card with the announcements (spiels) into the MicroSD card slot on the Red MP3 player labeled **SPIELS**.

ADJUSTING THE SOUND VOLUME

11. On the Black Mini Mixer, **volume control #1 (mic)** should be at 9-O'clock **volume control #2 (spiels)** should be at 1-O'clock position.. On the Blue Mini Amplifier is a **volume control**, adjust to the 1-O'clock position.
NOTE: These are a starting positions, adjust up/down as needed.
12. Now it is time to turn-on the system, make sure the MicroSD card is installed in the Red MP3 player, the on/off switch is at off. Now plug-in the 12vdc power supply to the 120vac receptacle.
13. With the door still open, Turn-On the on/off switch at the top of the DSA enclosure, watch the Red MP3 player when you turn on the on switch. On the MP3 player has a Red power light will be lit in the upper corner of the board... look at the center of the board for a Green Light (Status) to flash 3-times fast, then goes off. This means the MP3 player found the SD card & ready to play, if you did not see the green status light, turn off the system, wait 3-seconds, look at the center of the MP3 player board while turning on the system, watch for a 3-fast blinks green light. This is GOOD.
14. If a solid Green status Light is on, turn off the power and check the MicroSD card if it is seated correctly, reseal, turn back on, if still a green solid light, the MicroSD card could be bad or a bad MP3 player...To Test, turn off power, remove MicroSD card, install the Test MicroSD card, turn power on, if 3-fast green status light blinks, try the test to see if plays, if it does then the spiels MicroSD card is bad, call CSS for replacement....
15. If all OK, press each color button to hear each spiel, adjust volume as needed. Test The Microphone, adjust volume as needed, if a squeal or loud high pitch sound is heard when talking on or pressing the talk button on the microphone, turn down the microphone volume, it is causing a feedback, turn the microphone only volume down.
16. If all the announcements is playing at the correct volume level, the microphone volume is correct, the installation is now complete. Closed and latch the door on the DSA unit, install a small Zip-Tie in the hole near the lower latch to secure the enclosure from being tamper with.....
17. This Completes The Installation For: **The New DSA3-4M Digital Sound Announcer** , **"When You Need To Be Heard"**