



## DV4 4-Zone Paging Adaptor Installation and Use Instructions used with the S.T.R.™ HT2006 Series selective-call handset type intercoms systems

### APPLICATION

The DV4 4-zone paging adaptor unit is designed to be used with the S.T.R.™ HT2006 series handset type intercom system(s) to provide up to four (4) amplified paging outputs. Each DV4 is powered by a 16VAC (model SS146) transformer.

### PROCEDURE

1. Read installation instructions to determine equipment location and installation method.
2. Install equipment and wiring.
3. Check wiring and connect. Observe all local and national electrical codes.
4. Apply power and check operation.

### HOUSING INSTALLATION AND EQUIPMENT LOCATION

#### DV44-ZONE PAGING ADAPTOR

The DV4 is usually located in the 'central equipment location' where the system amplifier/power supply is located. You can mount the DV4 by using the provided plastic 'Din Rail' mounting bracket. It must be located away from any source of direct heat or extreme cold and in an accessible location. Keep at least 3 feet (1 meter) away from transformers, light dimmers or other electrical devices or wiring or sources of electrical interference.

#### POWER SUPPLY

The model SS146 (or equivalent) 16VAC plug-in transformer plugs into a conventional 117 VAC electrical outlet, within 100' (30 meters) of the DV4, but no closer than 3 feet (1 meter) from the DV4 amplifier.

**NOTE: Each DV4 must be powered by a separate SS146 (or equivalent) transformer, and not the same transformer that powers the NH208TVU or NH908A amplifier/power supply.**

### WIRING

Run 2 conductor #18AWG from the 16VAC transformer to the DV4 4-zone paging adaptor. If distance is greater than 100 feet (30 meters), use #16AWG cable. Use a separate cable from the intercom cables, and route away from any other cables. Before connecting, make certain wires are free from shorts or grounds. Make connections as shown on following pages and as detailed in the following instructions.

### FINISH INSTALLATION

1. Install DV4. Do not overtighten screws.
2. Install amplifier and accessory devices as needed.
3. Plug SS146 power supply into outlet. Observe all local and national electrical codes.
4. Make sure all connections are connected properly and no wire strands are touching or shorting to any other points.

**NOTE:** The Alpha Communications® warranty is void if this system is installed or used in any manner other than described in this manual.

### TROUBLESHOOTING

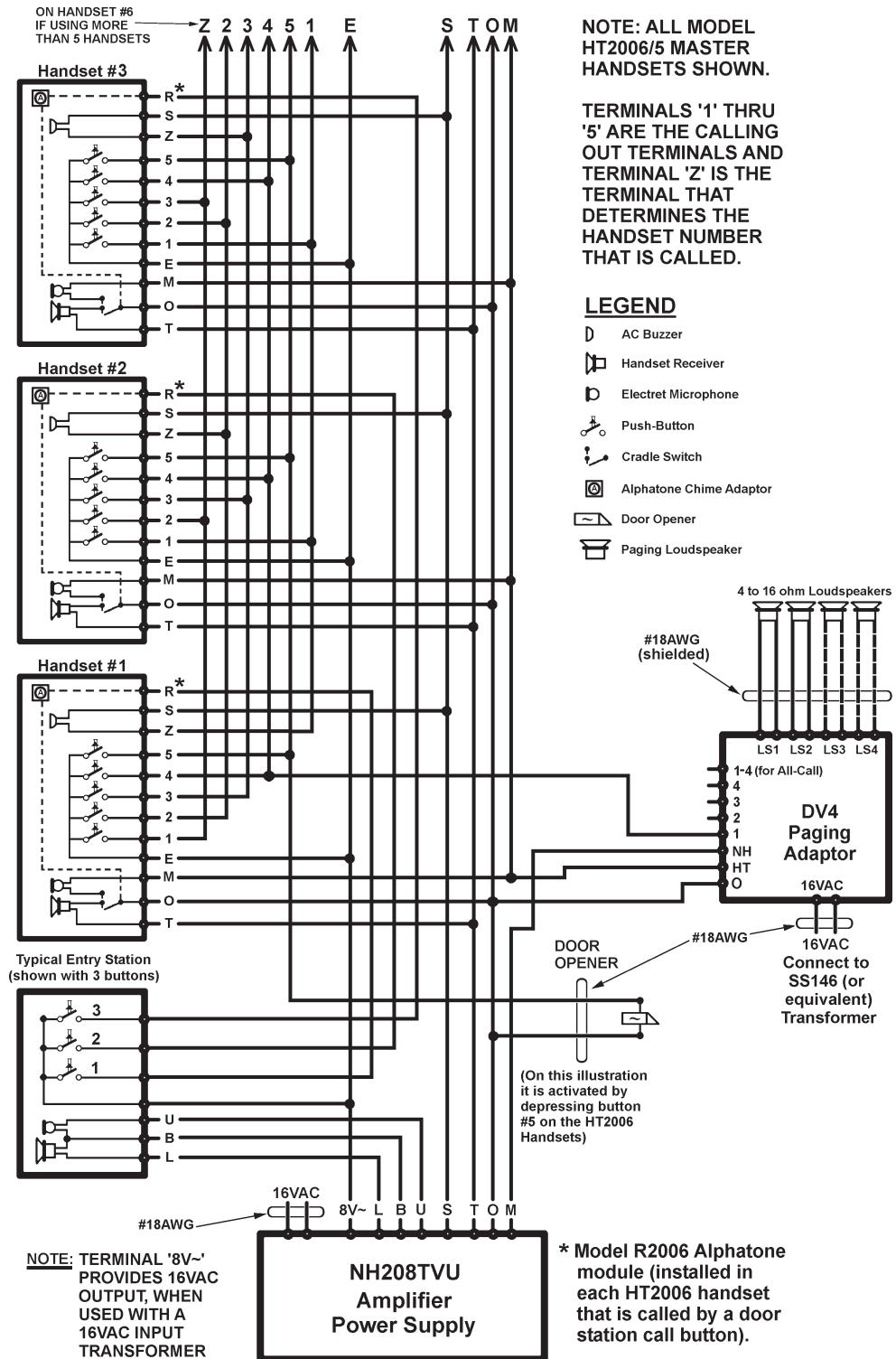
If the DV4 fails to operate as indicated in these instructions, check the following points:

1. **NO AUDIO OUTPUTS AT ALL:** Check for 16VAC power at the DV4 4-zone paging adaptor; and for 117 VAC at power supply primary. Double-check system wiring.
2. **LOW AUDIO OUTPUTS:** Adjust volume control in upper left hand corner of DV4 paging adaptor (and adjust volume on any auxiliary public address/paging amplifiers).
3. **ONE (1) AUDIO OUTPUT NOT FUNCTIONING:** Temporarily swap that individual output (LS1 thru LS4) with one of the others, to see if it is the DV4's output or that individual speaker line. Check to see that the selective wire (1 - 5 or 1 - 10) is wired properly to the (1 - 4) paging zone input on the DV4 adaptor.
4. **ALL-CALL NOT FUNCTIONING:** Check to see that the selective wire (1 - 5 or 1 - 10) used to trigger the all-call is wired properly to the (1-4) paging zone input on the DV4 adaptor.

**NOTE: The DV4 does not have a built-in 'Music Muting' capability. If you need to mute background music while paging, you need to use an auxiliary public address/paging amplifier that has auto muting capabilities while paging. Contact the factory for more information on this requirement.**

**If these checkpoints fail to indicate the problem, there may be an equipment fault. Contact the factory or qualified service representative.**

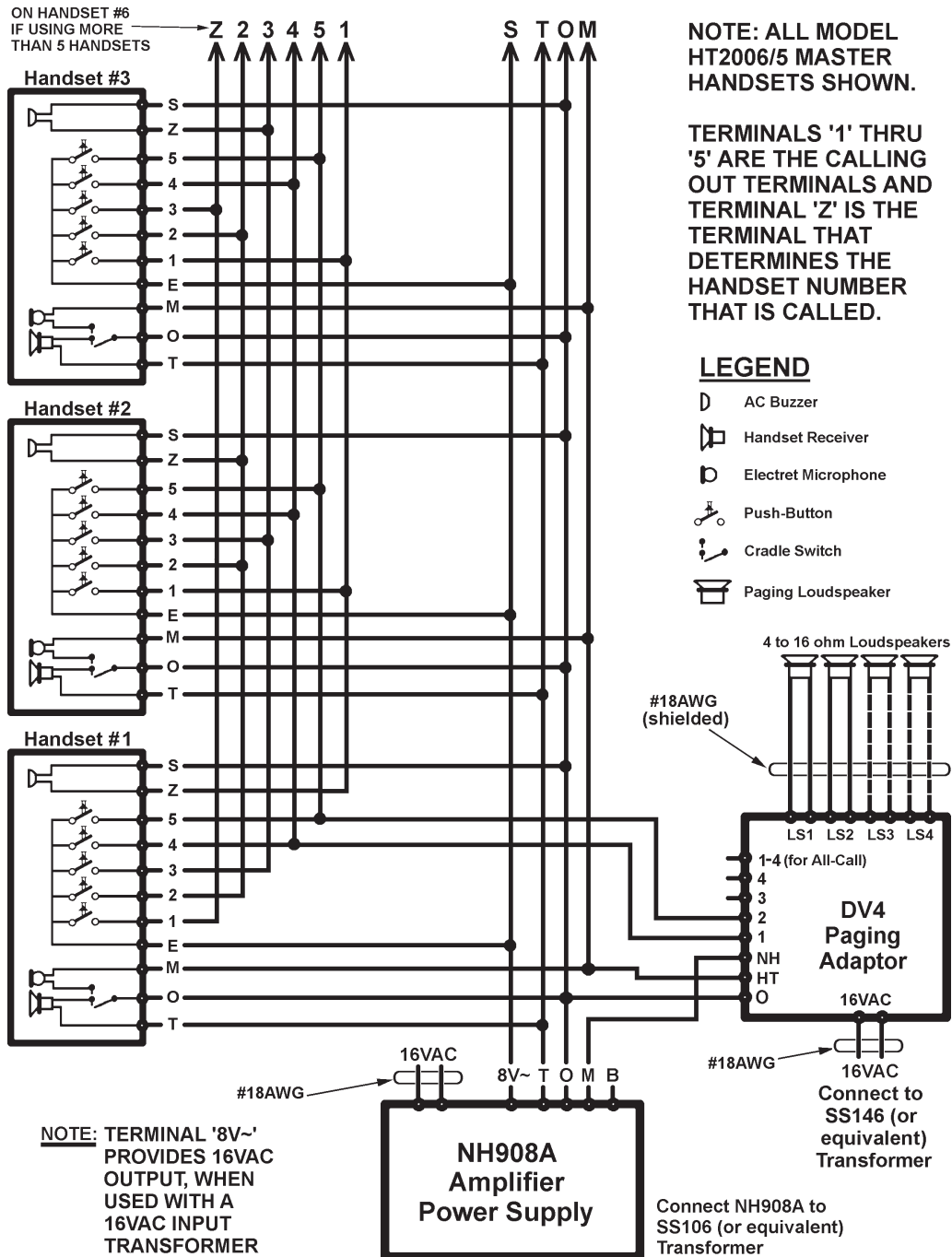
# TYPICAL WIRING LAYOUT DIAGRAM SHOWING CONNECTIONS TO DV4 FOR ONE (1) PAGING ZONE WITH NH208TVU AMPLIFIER



## Notes:

1. All wiring should be #22AWG unless shown otherwise.
2. **DO NOT CONNECT** the DV4 and the NH208TVU to the same transformer. The DV4 must have its own 16VAC (40va) transformer (our model #SS146)!
3. Each of the four (4) paging outputs may be directly connected to a 4 to 16 ohm speaker, or the input of a higher power public address (paging) amplifier, if more power and speakers are required for each paging zone.
4. Observe all local and national electrical codes.
5. All terminals connections shown may not be in the order that they appear on the equipment.
6. See the HT2006 system wiring diagram (with NH208TVU or NH908A) for balance of wiring information.

## TYPICAL WIRING LAYOUT DIAGRAM SHOWING CONNECTIONS TO DV4 FOR TWO (2) PAGING ZONES WITH NH908A AMPLIFIER



### Notes:

1. All wiring should be #22AWG unless shown otherwise.
2. **DO NOT CONNECT** the DV4 and the NH908A to the same transformer. The DV4 must have its own 16VAC (40va) transformer (our model #SS146)!
3. Each of the four (4) paging outputs may be directly connected to a 4 to 16 ohm speaker, or the input of a higher power public address (paging) amplifier, if more power and speakers are required for each paging zone.
4. Observe all local and national electrical codes.
5. All terminals connections shown may not be in the order that they appear on the equipment.
6. See the HT2006 system wiring diagram (with NH208TVU or NH908A) for balance of wiring information.

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