
TECHNICAL SERVICE BULLETIN

TO: All Uniden Private Radio Communication Dealers,
Distributors and Warranty Service Stations

REFERENCE: SMS301TSD, SMS316TSD, SMS318ED

SUBJECT: Microphone Gain

GENERAL: The following modification may be done in the field to SMS301TSD, SMS316TSD and SMS318ED radios to reduce the gain of the microphone amplifier circuit. This has been proven to reduce the ambient noise (road noise, car heater noise, etc.) present in transmissions from the radio, and may also better facilitate the use of the Hands Free feature.

1. Remove the bottom cover from the radio's TX/RX unit.
 2. Locate IC251 near the center of the main RF PCB (14-pin flat pack, surface mount).
 3. Locate pins 6 and 7 of IC251. Note that both pins are connected by traces to flow-through holes in the circuit board.
 4. Install a 1/8 Watt, 82 K-ohm axial lead resistor between pins 6 and 7 of IC251 by inserting and soldering the leads into the flow-through holes.
 5. Re-adjust the TX audio deviation (VR251) as necessary.
- Replace cover.

This modification is approved for field use by the Uniden PRC After Market Support group, but the information is offered on an FYI basis only. Uniden PRC does not request or require that this action be taken, and therefore will not honor requests for warranty reimbursement for this modification. No corresponding production change is planned at this time.

PRIVATE RADIO COMMUNICATIONS