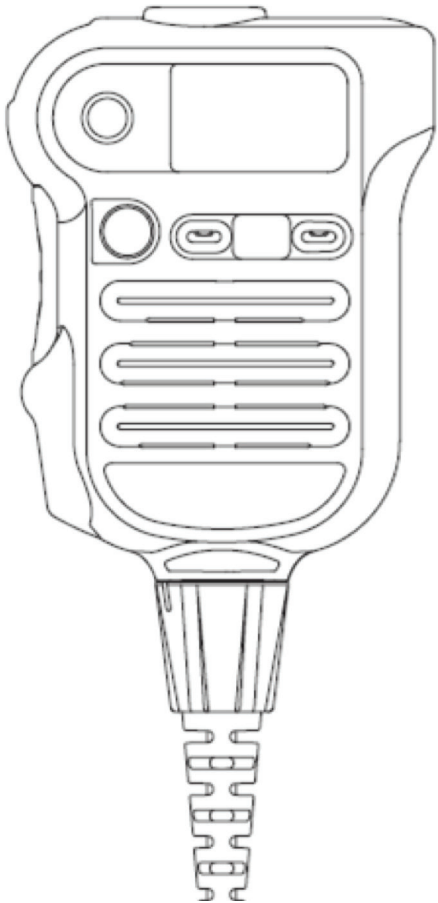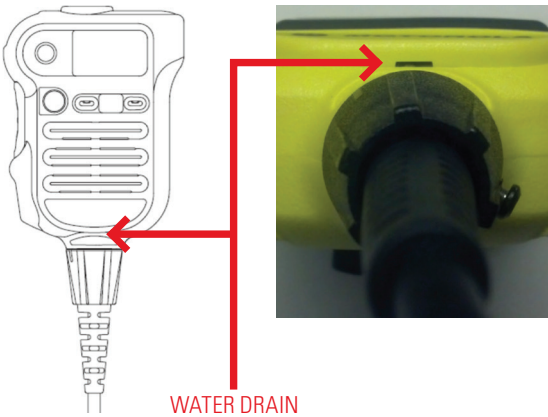# BEST PRACTICES
FOR XE RSM

FOR THE BEST PERFORMANCE IN EXTREME ENVIRONMENTS, ALWAYS FOLLOW 3 SIMPLE RULES.

1. ALWAYS WEAR ORANGE BUTTON UP FOR BEST WATER DRAINAGE
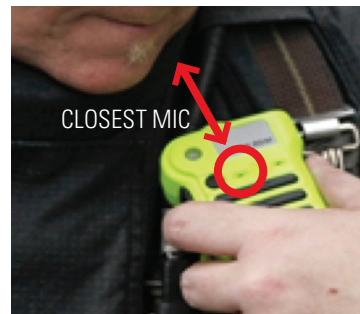
WATER DRAIN

YES   YES

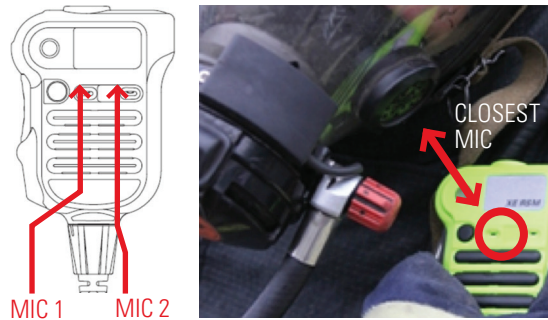YES   NO

2. ALWAYS TALK TO CLOSEST MIC FOR BEST VOICE QUALITY

MIC 1   MIC 2

CLOSEST MIC

CLOSEST MIC

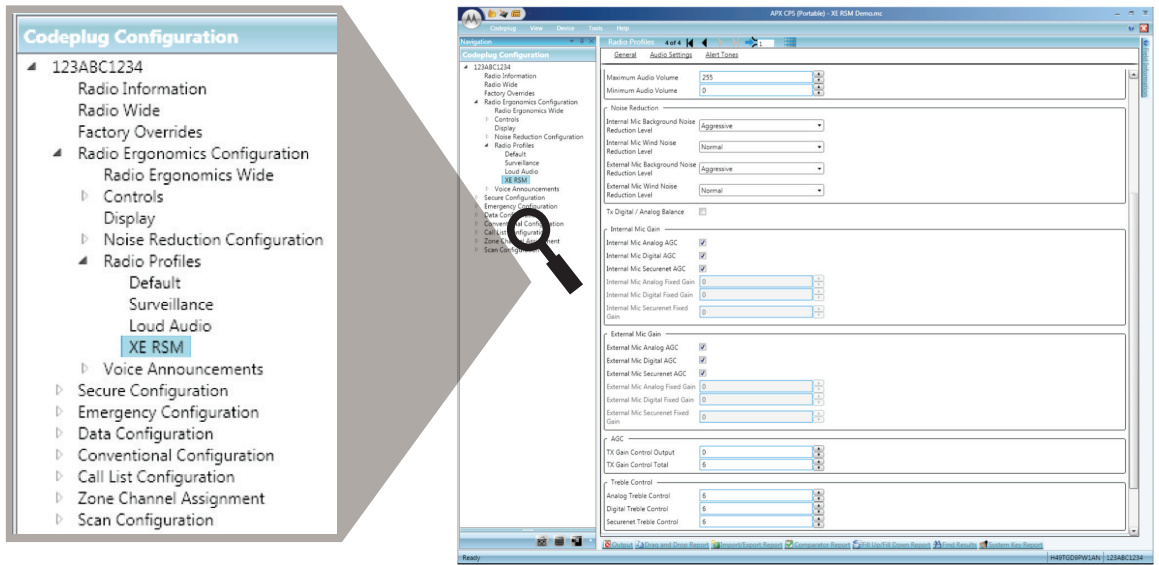## 3. ALWAYS SHAKE TO CLEAR WATER AND THEN TALK

Two or three brisk vertical shakes will cause water to drain faster.

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RADIO PROFILE
CONFIGURATION ENHANCEMENT

**Improve communication intelligibility with three APX Radio Profile
Audio Setting CPS (Customer Programming Software) changes.**

Please note that the "XE RSM" is NOT a standard shipping Radio Profile and needs to be manually created.

1. Enable TRANSMIT External Mic AGC to optimize XE RSM microphone signal level.

Set 'TX Gain Control Output' to 0, 'TX Gain Control Total' to 6.

2. Boost RECEIVE Treble Frequency to add crispness to speaker signal for better intelligibility.

Set 'Treble Control' to 6

3. Adjust TRANSMIT Noise Reduction for use when the XE RSM is not attached to the radio.

```
┌─ Noise Reduction ──────────────────────────────────────────────────────
│  Internal Mic Background Noise   ┌──────────────────────────────┐
│  Reduction Level                 │ Aggressive                ▼ │
│                                  └──────────────────────────────┘
│  Internal Mic Wind Noise         ┌──────────────────────────────┐
│  Reduction Level                 │ Normal                    ▼ │
│                                  └──────────────────────────────┘
│  External Mic Background Noise   ┌──────────────────────────────┐
│  Reduction Level                 │ Aggressive                ▼ │
│                                  └──────────────────────────────┘
│  External Mic Wind Noise         ┌──────────────────────────────┐
│  Reduction Level                 │ Normal                    ▼ │
│                                  └──────────────────────────────┘
└────────────────────────────────────────────────────────────────────────
```

Set Internal and External 'Mic Background Noise reduction Level' to 'Aggressive'.

Please note all External Mic Noise Reduction is DISABLED in the radio when the XE RSM is attached.

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