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Log #: TSB-0331

## DCT1900 Parameter Changes for Noisy Environment

### Background

In noisy environments you may experience problems when trying to dial numbers on the handset. Examples of these environments typically are hospital operating rooms or industrial manufacturing sites. This technical service bulletin will deal with how to address this problem.

### Change Procedure

When the Radio Exchange is initialized it contains default settings that work for the majority of environments. The default settings are as follows:

#### Current Default Parameters

echo Canceling time (ms)	4
soft suppression level (dBm)	-12
DTMF tone duration (ms)	85
DTMF pause duration (ms)	85
DTMF high level (dBm)	-10

However, noisy environments require that the Radio Exchange be initialized with the parameters found below:

#### Recommended Parameters

echo Canceling time (ms)	4
soft suppression level (dBm)	-12
DTMF tone duration (ms)	170
DTMF pause duration (ms)	170
DTMF high level (dBm)	-4

As you can see, the DTMF tones are being lengthened and amplified to compensate for the noisy environment.

In order to initialize the Radio Exchange with these settings you will need to obtain a special file from Ascom Technical Services. They can be reached at the following phone number: **1-877-712-7266 Option 3**

*Note: If the Radio Exchange in question is already programmed with the default settings, then it will need to be reinitialized in order to use the new settings.*