

Manual DTMF Status Reporting

The C Plus can be programmed to decode manually entered single character status messages. This application allows a radio user to press DTMF buttons to describe his status. The C Plus will display the programmed status relating to the digit sent. As an example, the user arrives at the job site and presses DTMF button 1. The C Plus will display **AT SITE**. This feature can be combined with another ANI protocol like MDC-1200® and you will have PTT ID and Status reporting.

Enabling the Feature:

Prepare your status table before beginning the programming described below. This table provides the legends to be displayed on the C Plus when a DTMF status is received. Refer to Manipulating the DTMF Status Table for specific assistance.

In the C Plus personality programming, select "*Select Format Type*" then select "*DTMF*", "*Status Reporting*" and then "*First/Last/Disable*". Then select "*First*". Press the \ backslash twice and you arrive at menu screen #1215. Select "*ID Qualifying*", "*Total Digit Quantity*" and then enter 1. Press the \ backslash twice and you return to menu screen #1215. Now, select "*Status Reporting*", "*Edit Status Table*", "*Send a table to the C Plus*" and upload the previously prepared status table. Use the \ backslash to get back to the main menu and press 7 to return to operate mode.

How to use it:

You can program all of the DTMF characters, 0 through F to represent different status messages. The user doesn't need an expensive status control head for this simple one way status reporting. The below sample Status table would greatly help dispatchers:

0,L,LOADING,1,0
1,D,DEPART,1,0
2,A,ARRIVE,1,0
3,P,POUR,1,0
4,R,RETURN,1,0
5,F,FLATTIRE,4,2
6,B,AT BREAK,1,0
9,E,EMRGENCY,5,1

With this example, the user presses the 0 (zero) DTMF button and dispatch sees his status as LOADING. Other buttons track him through the task. Button 9 in this case would sound an alarm and also enable an external alarm.

Combine this status reporting with PTT ANI and the C Plus serial port will provide you with the ID of the person reporting their status. A radio with MDC-1200® or FleetSync™ ANI and a DTMF pad will do the trick. Pressing the radio PTT identifies the user, pressing the DTMF button describes their status.

Special Requirements:

If you are combining PTT ANI and Status reporting, you will need to purchase the optional feature "Dual Format Decode". Contact Cimarron

Technologies for information.

See Also:

Manipulating the DTMF Status Table

Communicating with the C Plus using Hyperterm

External Alarm Activation

Connecting the C Plus to a Printer or Computer