

R A D I O N I C S

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**READYKEY® K6100 Readykey for Windows™**

Alarm Sound Support Datasheet

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## UL Listings

UL 294 - Access Control System Units  
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## Contents

Introduction .....	4
Triggering an Alarm .....	4
Compatibility .....	4
Switching to Voice Announcements .....	5
Sound Files - Location and Type .....	5
To Change a Sound .....	5
Table 1. Transaction Types and Wave Files .....	5

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## Introduction

Alarm Sound Support is designed for **loud** registration of alarms. The volume is only limited by the power of your PC speakers (or Public Address system). However, this support is fully adjustable, so quiet response is also possible.

The default sound is a siren, but this can be changed to pre-recorded, human voice-announcements of the type of the alarm. For example, if someone was refused access because of the date, then an alarm can be programmed to appear on the screen and the voice would say, 'No Access, Date'.

This datasheet provides information on how to switch between using a voice announcement of each alarm type and using the default siren. It also tells you where the sound files are located and which file is associated with which transaction type. This allows you to substitute your own sounds and messages if desired.

## Triggering an Alarm

Transactions are events that occur with activity at the door controllers, for example: 'Access Authorized', 'Door Left Open' or 'No Access: Unknown ID'. Any or all of these transaction types can be set to trigger an alarm.

For a transaction to activate an alarm, it must have this enabled within the **Admin: Trans Routing Frame** settings for use, during the desired time. When a setting is assigned to respond as an **Alarm condition, which also Requires Acc** (requires an Alarm Acceptance by the operator) **Alarm Acceptance**, a sound event can be triggered until the alarm has been accepted. To enable this, go to **Trans Routing** in the **Admin** application, and place a check mark in the desired routing frame, under **Alarm, and Requires Acc**, for the condition required or refer to the on-line help for more details of use of this feature.

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**Note:** If you have trouble triggering an alarm then check that the alarm application is running and that you have selected the correct division. Also check that any **Trans Routing** adjustments are in the correct division.

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## Compatibility

Alarm sound support operates may automatically if a sound card and speakers are plugged into to the PC. The feature is compatible with most standard PC sound cards available on the market. To test if they are correctly installed:

1. In Windows 95 from the start menu select **Settings, Control Panel, Sounds**.  
Or,  
In Windows 3.11 start the **Control Panel** and double-click on **Sounds**.
2. Select a sound and click on the play arrow (▶) or **Test** button.

If your PC does not make a sound then refer to your sound card and speaker instructions. If your speakers require a separate power supply then check that you have switched them on.

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## Switching to Voice Announcements

The sound control settings are stored in the `ALARM.INI` file within the Readykey for Windows `C:\Rkeywin\BIN` directory on the workstation. To change the settings, close the Readykey for Windows system and use a text editor (e.g. Windows Notepad) to examine the file, **Alarm.ini**, and scroll to the line shown below:

```
[SOUND]
PlayDefault=1
```

With `PlayDefault=1`, Readykey for Windows will play the default alarm siren for every alarm. If `PlayDefault=0` then Readykey for Windows will speak the transaction type which caused the alarm. Change the setting to the desired response. Click on **File**, and then **Save**, to save the changes to the file..

## Sound Files - Location and Type

The spoken transaction types are stored as Windows wave files (`.wav`) within the Readykey for Windows `C:\rkeywin\bin\` directory. The wave files are numbered according to their transaction types. For example, 'Door Left Open' is stored in the file called '14.wav'. A list of transactions and the associated wav file numbers is given in the table at the end of this data sheet.

To Play a Sound:

- Go into **My Computer** (Windows 95) and then into **Control Panel**. Go into **Sounds** and double click on a wave sound file (`*.wav`) to run the Windows Sound Recorder and play it. The current sound files for Readykey for Windows are normally located within the `C:\Rkeywin\Bin` sub-directory as default.

The default alarm sound (siren) is stored in the file called `Alarm.wav` (in the `c:\rkeywin\bin\` directory).

## To Change a Sound

- Shut down the Readykey for Windows system.
- Find the file name of the required file from Table 1, (located later in this document) and move or rename the existing file so that there is a backup.
- Change the name of your new file to match the original file name (keep the `.wav` extension on the file).
- Move your wave file into the Readykey for Windows `C:\rkeywin\bin` directory.

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**Note:** Keep wave files to under 3 seconds' duration to avoid slowing down Readykey for Windows.

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**Table 1. Transaction Types and Wave Files**

Transaction Type	Transaction Type	Transaction Type
0 Exit Authorized	32 No Access Unknown ID	64 Zone Trouble Cleared
1 Entry Authorized	33 Manual Isolate	65 Comms Start
2 Access Authorized	34 Manual Engage	66 Comms End
3 Free Exit	35 Alarm Acknowledged	67 Redialing
4 Emergency On	36 Override Accepted	68 Line Unobtainable
5 Emergency Off	37 RTE Held Down	69 Comms Timeout
6 Request Exit	38 Repeated Key	70 Comms Aborted
7 Request Entry	39 PIN Reader Duress	71 DC Not Responding
8 Unauthorized Access	40 Duress Acknowledged	72 Modem Not Connected
9 No Access Level	41 Local Duress Accepted	73 Comms Error 1
10 No Access Locked	42 Door Bolted	74 Comms Error 2
11 No Access Time	43 Remote RTE	75 Comms Error 3
12 No Entry Passback	44 No Exit Passback	76 Comms Restored
13 No Access Holiday	45 Exit Out Of Hours	77 Comms Unreliable
14 Door Left Open	46 Editor Off Panel	78 Comms Violation
15 Door Closed	47 Editor On Panel	79 Dial Back Fail DC
16 Anti Tamper	48 Power Off	80 Health Limit Expired
17 Alarm Cleared	49 Power On	81 Absconsion Expiry
18 Override Alarm	50 System Reset	82 Health Limit Restoral
19 Override Reset	51 System Recovery	83 Absconsion Restoral
20 Manual Lock	52 Data Corruption	84 Operator Failed Login
21 Manual Unlock	53 Incorrect PIN	85 Trans 86
22 Automatic Lock	54 Manual Relay Reset	86 Trans 87
23 Automatic Unlock	55 Manual Relay Set	87 Dial Back Fail CNC
24 Editor Off	56 Auto Relay Reset	88 No Access Alarm Armed
25 Editor On	57 Auto Relay Set	89 Alarm Perimeter Armed
26 Alarm Activated	58 Zone Tamper Alarm	90 Alarm Full Armed
27 Sensor Reset	59 Zone Trouble Alarm	91 Alarm Disabled
28 Automatic Isolate	60 Zone Restored Disarmed	
29 Automatic Engage	61 Zone Tamper Accepted	
30 Local Accept	62 Zone Trouble Accepted	
31 No Access Date	63 Zone Tamper Cleared	