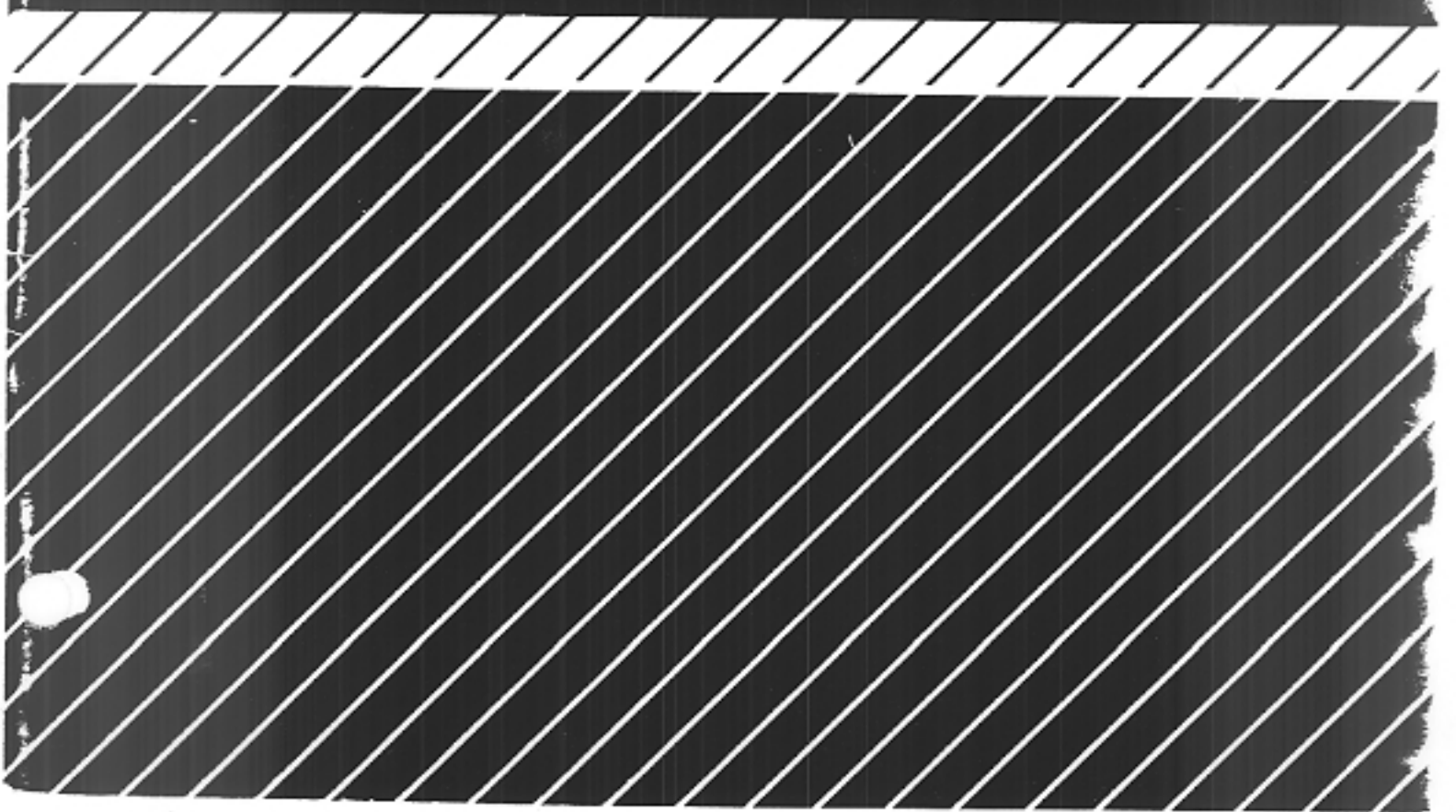




**AT&T**

*PagePac® 20 Voice Paging System*

**ZoneMate™ 9 Service Manual**



**ZoneMate™ 9  
Service Manual  
For  
PagePac® 20  
Voice Paging System**

**999-500-2041S**

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## 1. Introduction

### Overview

The PagePac<sup>®</sup> 20/9 Voice Paging System consists of three separate modules, PowerMate<sup>™</sup>, Common Control Unit, and ZoneMate<sup>™</sup> 9 (Figure 1-1), plus loudspeakers and speaker cable. The physical characteristics of each module are shown in Figure 1-1 and also listed in Table 1-A.

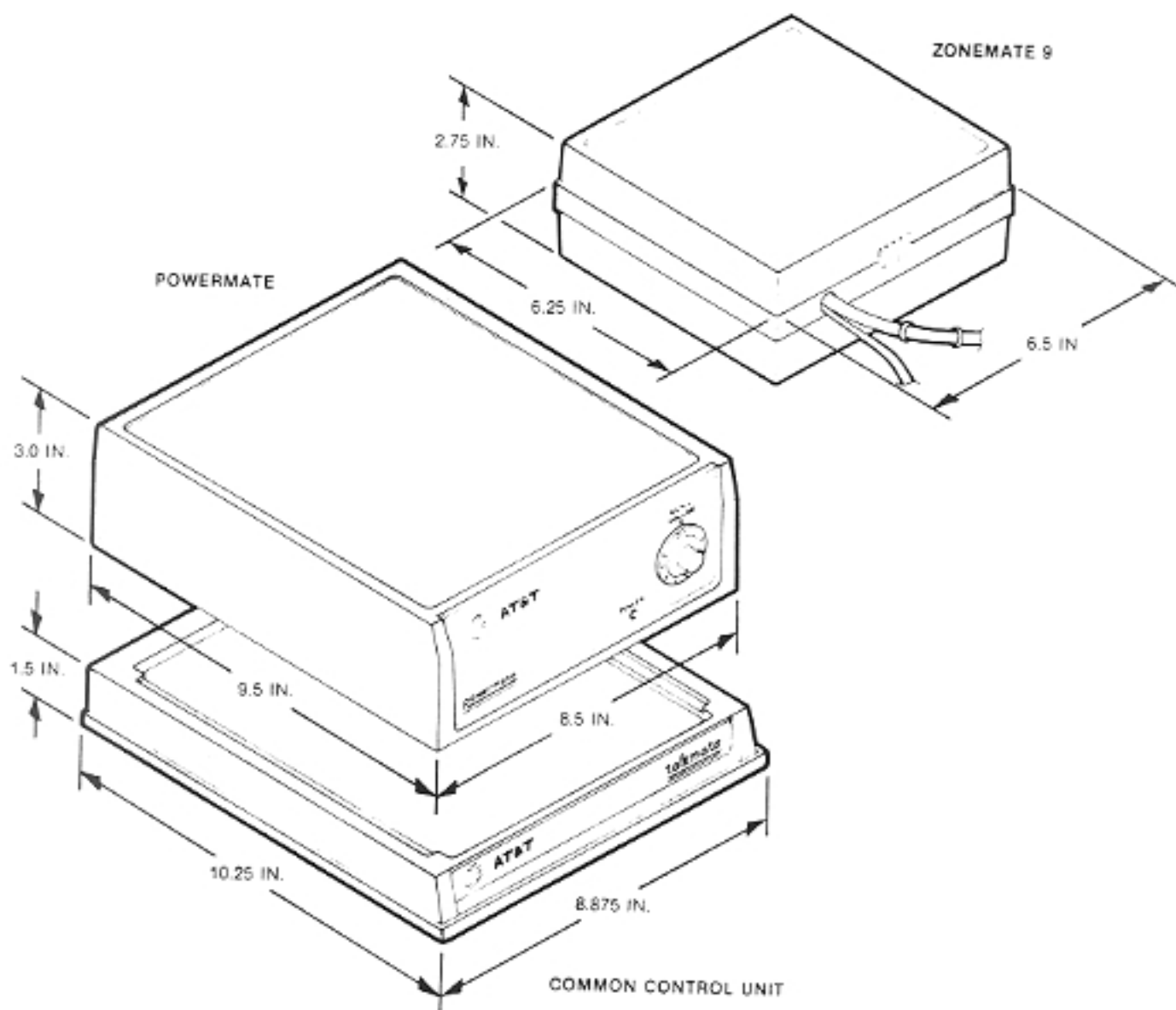


Figure 1-1. PowerMate, Common Control Unit, and ZoneMate 9.

Table 1-A. Physical Characteristics

Module	Specification
PowerMate	
Width	8.5 inches (21.59 cm)
Length	9.5 inches (24.13 cm)
Height	3.0 inches (7.62 cm)
Weight	6.5 pounds (2.95 kg)
Common Control Unit	
Width	8.875 inches (22.54 cm)
Length	10.25 inches (26.03 cm)
Height	1.5 inches (3.81 cm)
Weight	4.0 pounds (1.81 kg)
ZoneMate 9	
Width	6.5 inches (16.51 cm)
Length	6.25 inches (15.87 cm)
Height	2.75 inches (6.98 cm)
Weight	1.0 pound (0.4536 kg)

### PowerMate

PowerMate is a compact 20-watt, telephone-integrated loudspeaker paging system designed to be placed on a desk or shelf. PowerMate provides basic single-zone, one-way paging with a choice of voice coil and/or 70.7 VAC audio output to the speakers.

### MusicMate™

Background music may be provided to the paging system by adding MusicMate. For more detailed information on PowerMate or MusicMate, refer to the manual provided with the individual modules.

### Common Control Unit (CCU)

The CCU sits under the PowerMate (Figure 1) and increases PowerMate capabilities by providing:

- Additional paging features.
- Zone paging.
- Talk-back with multi-zone paging capability.
- Night bell signaling (host system must provide night bell feature).

The CCU operates with a host communications system using ground start or loop start line circuits, as well as line or intercom connection to key systems. Either touch tone or dial pulse systems can be used to enable paging features.