



PBS400 Digital PRAM

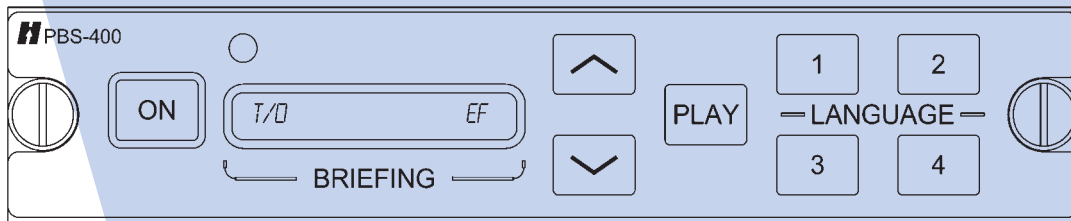
Prerecorded Announcement Machines

International flight operations have added a new dimension for effective passenger safety briefings: multiple languages. Foreign passengers appreciate briefings in their own languages. Unfortunately, reading a briefing in several languages increases the workload for pilots and flight attendants...at the same time other cockpit and cabin duties may require their immediate attention.

Heads Up Technologies' PBS-400 can help. It's the lightweight, all digital solution for required cabin briefings and international passengers.



HEADS UP TECHNOLOGIES



PBS400 Specifications

The PBS-400 uses the latest in digital audio technology to provide great sound and years of trouble-free operation. No tapes to break, stretch, or drag. No tape heads to clean. No moving parts to maintain. Just reliable performance and premium sound.

Four languages and boarding music.

The PBS-400 computer plays back a human voice with studio quality. Optionally, the system can play any kind of music: classical, jazz - even corporate theme songs!

Easy installation, easy operation.

The PBS-400 is designed for easy installation and use. The DZUS mounted control head can be located in the cockpit or cabin, for operation by the flight crew or attendants, respectively. The remote computer can be mounted in any position. The entire system weighs less than two pounds. The simple layout of the control head makes operation a snap. Just select the required languages, select the title of the message, and press play.

Custom briefings.

The PBS-400 offers the flexibility to provide custom scripts for up to four languages. Heads Up can also provide professional language translation services as well as male/female recording talent for a small additional charge.

Reduce workload even more.

Automatically trigger the PBS-400 with discrete signals (e.g., the seatbelt light) or from an optional Heads Up Checklist system.

Change scripts without removing the unit from the aircraft.

Download a new passenger briefing message from a laptop computer in just minutes.

Message Capacity

- Number of Languages	1 ñ 4
- Number of Active Languages	1 ñ 4
- Number of Messages	14
- Total Speaking Time	12, 30, or 60 Minutes
- Message Change	Field Programmable via PC

Digital Audio ñ Digitized Human Voice

- Sample Rate	10Khz
- Sample Size	8 bit
- Audio Outputs	8 ohms (Speakers) 500 ohms (100mV)

Electrical

- Microprocessor Based	8 bit/10Mhz
- Memory Type	Linear Flash
- Memory Capacity	4, 10, or 20 Megabyte
- Voltage (nominal)	28Vdc
- Current (nominal)	0.35 Amp
- Panel Backlighting	5 or 28 Volts AC/DC

Physical (w/o cabling)

Control Head

- Height	1.13" (2.87 cm)
- Width	5.75" (14.60 cm)
- Depth	2.48" (6.30 cm)

Remote Computer

- Height	1.65" (4.19 cm)
- Width	4.05" (10.30 cm)
- Depth	7.50" (19.05 cm)
- Total Weight	1.8 lbs (671.83 g)
- Mounting (Control Head)	Standard DZUS
- Bezel Color	Gray or Black
- Display Type	LED
- Display Size	One (1) Line; 10 Characters

Environmental

- Storage Temperature	-67F to +176F (-55C to +80C)
- Operating Temperature	-4F to +158F (-20C to +70C)

Testing / Certification

- Hardware - Environmental	14 CFR PART 21 RTCA DO-160B
- Software	RTCA DO-178B



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