

TMC

# KBX 100

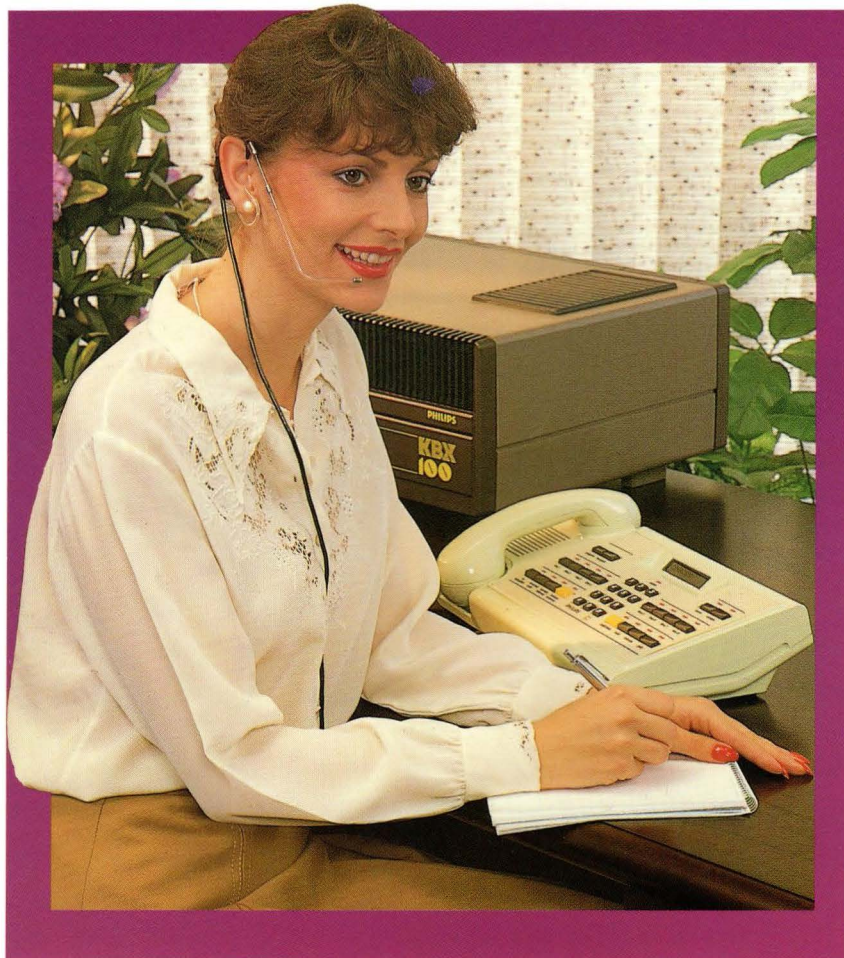
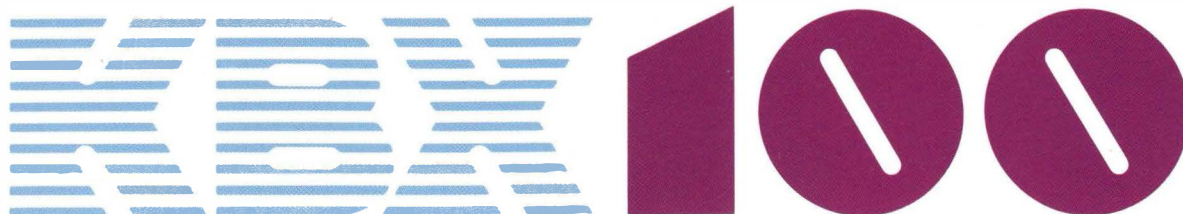


... is a compact telephone system for small-to-medium-sized organisations, featuring user-programmable facilities, with flexibility for expansion in the years ahead.



**PHILIPS**





**Superbly styled, compact central unit saves space**

**Choice of programming methods for user convenience**

**Flexible and expandable — any mix of lines and extensions**

**More benefits from more features**

**Outstanding cost/performance ratio**

**Aesthetic design matches modern office decor**

# Small in size – Big on Facilities and Benefits

KBX100 – the advanced, hybrid, business telephone system from Philips – offers YOU the opportunity of solving all your telephone problems.

Now and in the future!

The KBX100 is a hybrid concept, combining the power and flexibility of a Private Branch Exchange with the convenience and simplicity of a key system. Its modularity enables you to start with as few as two exchange lines and four extensions, and move up in as many steps as you like to almost any combination of exchange lines and extensions totalling 116 ports. We can give you **more exchange lines than extensions** if you need them.

A leading advantage of the KBX100 is its rare ability to achieve the economy of ordinary telephones, plus the efficiency of KBX (4-wire) terminals.

## **Programmable terminals**

All the terminals of KBX100 are programmable – enabling your staff to tailor the system to their own individual needs. In fact, they can reprogram their terminals as many times as they like, to meet the changing demands of today's fast-moving business environment. Now you can begin to appreciate just how cost-effective the KBX100 can be – both now and in the future.

## **Several configurations**

Just look at the flexibility provided by the KBX100! It offers you all these configurations:

- PABX operation

- Key system convenience

- Automatic call handling

- Chief/secretary working

A hybrid system featuring a combination of two or three of the above configurations.

Almost three quarters of a million KBX100 lines in service

Made by the internationally renowned Philips organisation



# Looking Good— With Sophisticated Terminals

## Multiple instrument choice

With the KBX100, you have a choice of four sophisticated KBX LOW PROFILE terminals. All of them incorporate a 12-button keypad and a group of function keys. In addition, LOW PROFILE terminals have seven or 18 programmable keys, each with a LED indicator:

- LP1—18 programmable keys plus handsfree facility and optional display.

- LP2—seven programmable keys with optional handsfree facility.

## LOW PROFILE display

Designed to provide maximum convenience to the user, this liquid-crystal display shows a wide range of data — including confirmation of number keyed, the identity and status of the called extension, date/time and number of waiting calls.

## Handsfree

Also known as a 'loudspeaking' facility, handsfree operation is a real boon to more efficient — and highly convenient — communications in every size of organisation. All external calls can be set up without lifting the handset and conversations held in the same way. But if users prefer to talk privately over the handset, they may do so at any time. For internal calls the touch of one button establishes a two-way handsfree conversation — you could almost be in the same room.

## Standard telephones too

As well as terminals, you can choose standard dial or pushbutton instruments for as many extensions as you wish — and these can be pulse or multi-frequency types.



## Extension-user programming

There are no fewer than eight levels of programming available for each terminal. As the level is increased, the terminal has access to an increasing number of system facilities. Terminal users can alter the features available whilst at their own extensions, simply by operating the programmable keys. And they can do this without requiring the supervisor's assistance.

## Single-button access

All the numerous features are single-button access for increased efficiency and time saving. And

both these benefits are further enhanced with the special feature which allows commonly used external and/or intercom numbers to be stored at the user's will and thereafter accessed by a single button on the instrument.

## Operator's console

Designed and engineered for the demands of operator use, the console incorporates all the facilities needed to control the associated telephone system. Standard facilities include: headset or handset working; liquid-crystal display; keyed access to extensions with automatic hold and transfer; repertory dial and repeat last number; night service and optional clock and date display. Operator programming enables speedy re-assignment of system features to meet changing user needs. In addition, calls arriving are queued separately depending on their status — for example, exchange line, tie-line, or internal calls.





**Choice of four LOW PROFILE terminals**

**Separate operator's console for fast call handling**

**Standard dial and pushbutton telephones available**

**Top-of-the-range LOW PROFILE terminal features handsfree and display facilities**





# Whichever Way You Look at it — Sheer Flexibility

Here is a selection from the long list of features and facilities built into the KBX100 — made by Philips, one of the world's major manufacturers of telephone and communications systems. For the full list, see the leaflet enclosed with this brochure.

## Cost control

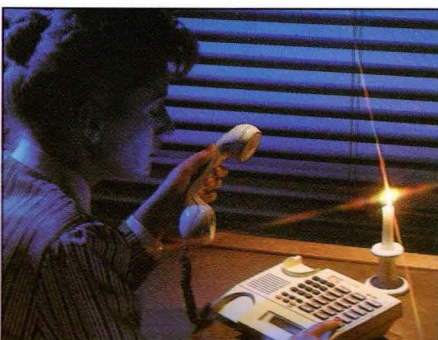
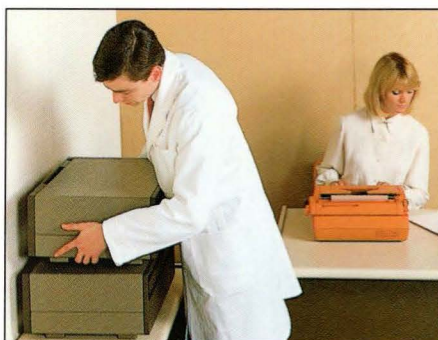
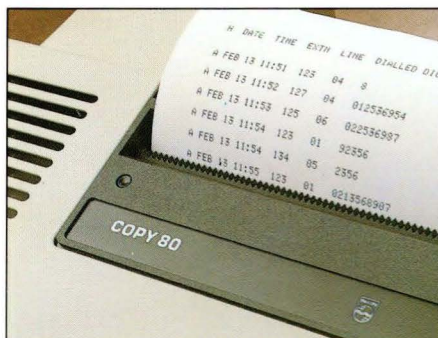
Achieved through a combination of call barring and call logging, cost control is highly effective with the KBX100. Call barring enables each extension to be assigned any one of 36 classes of service, to define the barred and permitted codes for that extension. The KBX100 call-logging system monitors all outgoing and incoming calls. It automatically prints out who called whom, when and the call duration. What's more, call logging will feed information to a variety of call management systems — departmental summaries of call costs enable you to see at a glance how your telephone system is being used.

## Easy installation

At Philips, we have taken extra care to make installation extremely easy, offering the utmost convenience and simplicity. With the KBX100, no special air conditioned accommodation is needed for the central control equipment — it can go almost anywhere in your premises. Ease of installation is further enhanced by the ability to connect terminals and telephones with a thin cable, plugs and sockets. No more than four wires are needed, even for an operator's position.

## Reliability

Based upon fully proven microprocessors and purpose-designed integrated circuit techniques, the Philips KBX100 is a



highly reliable telephone system created to meet today's demands for maximum flexibility at an affordable cost.

## Easily programmed

To take full advantage of the high level of flexibility of the KBX100 system, two programming methods are used. The entire system can be programmed to meet your precise needs prior to delivery, with special facilities assigned to each telephone or terminal. If you decide that the facilities must be altered to meet changes in your operational environment, no problem — the system can be reprogrammed easily.

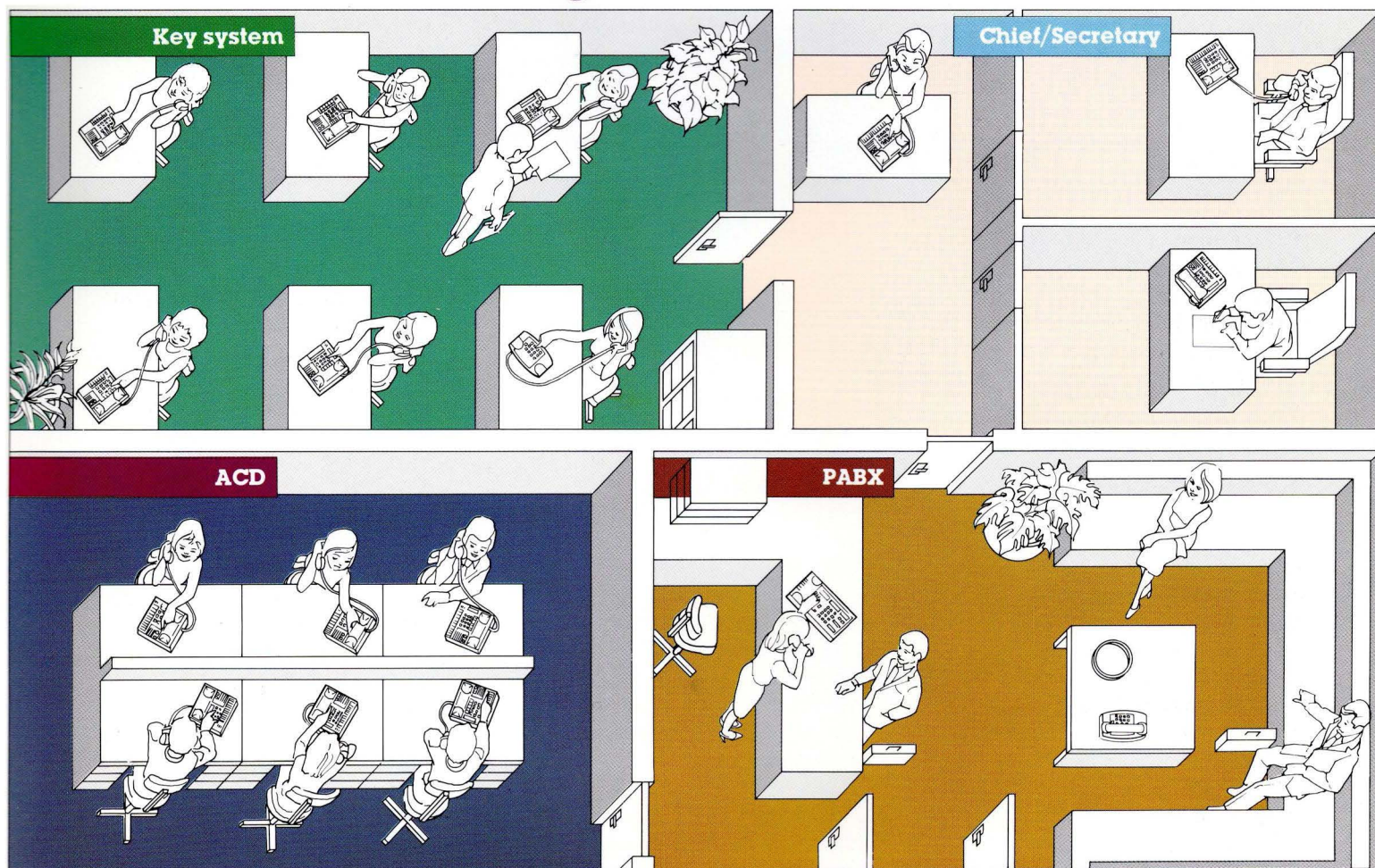
Alternatively, a standard set of facilities may be assigned to the system during installation with further programming available from the operator's console or from a nominated supervisor's terminal. If they wish, users can even program facilities for themselves — a major advantage of the Philips' KBX100 hybrid telephone system. Expansion of the system is simply achieved by adding cards and shelves to the central control unit as your needs increase. These changes are automatically recognised by the control unit so that reprogramming is soon completed.

## No mains? No problem!

If the mains fails, there's no need to worry. Selected phones are automatically connected directly to outside lines, ensuring that you can still make and receive outside calls. And you won't be bothered with having to arrange for reprogramming your system — return of mains power means existing calls are not interrupted, instant reversion to the original program and no loss of stored numbers. If full system capability is essential during mains failure, standby batteries are available as an option.



# Superior Versatility Giving Connections Galore



There are many different ways of connecting KBX100 extensions, enabling users to cater for virtually any application. A few combinations are shown here, to give you an idea of the superior versatility of the Philips KBX100 system.

■ **Key system working**

For maximum convenience.

■ **Chief/Secretary working**

One secretary acting for several executives.

■ **Automatic Call Distribution (ACD Handling)**

For airlines, brokers, travel agents etc.

■ **PABX operation**

For normal office use.

■ **Perfect behind a large PABX**

Excellent Secretary/Executive package allows several lines on the same terminal — for example, private and PABX.

■ **Mixed PABX, key system and automatic call handling**

For ultimate KBX100 versatility.



# ...And to Sum Up the

# KBX



## System capacity

From as few as two exchange lines and four extensions, in almost any combination of exchange lines and extensions totalling up to 116 ports.

## Control

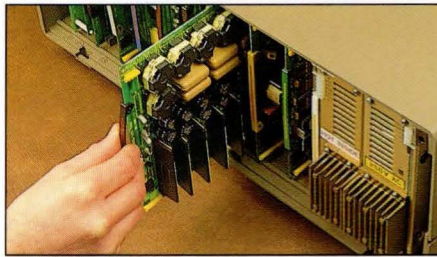
Microprocessor stored program control to provide flexibility and operational simplicity.

## Easy installation and maintenance

Four-wire connections only for terminals and operator's console, with two-wire connections for standard telephones. Plug-in modules simplify installation and maintenance, as well as reducing costs.

## Handsfree operation

Internal loudspeaker and microphone allow use of the LOW PROFILE terminal without lifting the handset.



## Compact

Small central unit, measuring only 215mm height x 394mm depth x 520mm width (single shelf).

## Call forwarding

Ability to pass calls for one extension onto another automatically. Four modes available: all your calls forwarded to another user; calls forwarded only when your extension is busy; calls forwarded only when there is no answer at your extension; follow me to an extension where you are temporarily located. Secretaries can identify, by LED indicators, calls forwarded from several executives.

## Conference

Interconnection of two or more internal extensions, with or without the connection of an external line.

## Intrusion

Ability of designated extensions to break into conversations, subject to priority level.



## Music on hold

Whenever someone is asked to 'hold on please' for any reason, the person holding hears music.

## Night service

Incoming calls to the operator diverted to a programmed group of extensions.

## Repeat last number

The last external number dialled can be automatically repeated by pressing the 'transmit' button twice.

## Repertory dialling

Each terminal can access a personal store of 12 or 24 frequently called exchange numbers by pressing just one button for each number.

## Ring back when free

Automatic calling of a busy internal number as soon as it is free.

## Philips TMC

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