

Telecom Commander HX System User Guide

Congratulations on selecting a Telecom Commander HX Small Business System.

The Telecom Commander HX combines the best features of the existing Commander range with exciting new facilities.

Please read this User Guide carefully. It **provides** detailed step-by-step instructions for operating the Telecom Commander HX 308/616/ 1224 Systems.

As a support to this User Guide, a Quick Reference Card has been provided separately with each keystation.

With Compliments & Data
Absolute Phone

Table of Contents

1. Getting to Know Your Commander

Keystations	1-2
Keystation Key Description	1-3
Selection Keys	1-4
Handsfree and Off-hook Operation	1-9
Direct Station Select Keys	1-10
Line Keys	1-11
Single Line Telephones	1-12
Audible Signals	1-13
Service Tones	1-13

2. Answering Calls

Answering Calls	2-2
Intercom Calls	2-2
Outside Calls	2-3
Door Station Calls	2-4

3. Making Calls

Making Calls	3-2
Intercom Calls	3-2
Outside Calls	3-3
Door Station Calls	3-4

4. Automatic Dialling

Last Number Redial	4-2
Repeat Dialling	4-3
Speed Dialling	4-4
Speed Dial Keys	4-5
PABX Access	4-7

5. Holding and Transferring Calls

Holding Calls	5-2
Outside Calls	5-2
Intercom Calls	5-4
Transferring Calls	5-5
Transfer to a Busy Station	5-6
Transfer with Page	5-7
Direct Transfer (HX308 Only)	5-8
Recall from Transfer	5-8

6. Paging and Conference Calls

Paging Calls	6-2
Conference Calls	6-3
Internal Conference	6-3
External Conference	6-4

7. Other Facilities

Access Barring Override	7-2
Alarm Reminder	7-3
Single Alarm	7-3
Daily Alarm	7-4
Cancelling an Alarm	7-4
Background Music	7-5
Call Detail Recorder (CDR)	7-5
Output Format	7-6
Confidence Tone	7-8
Decadic to Tone Dialling	7-9
Divert All Calls	7-10
Do Not Disturb	7-11
Facsimile	7-12
HX308 Only	7-12
Group Listening	7-13
Headset Operation	7-14
Intercom Answer Mode	7-15

Incoming Ring Tone	7-16
Line Failure Monitoring	7-17
Manager -Secretary Pairs.....	7-17
Message Waiting	7-18
Microphone Mute	7-19

8. Station 21

Date and Time	8-2
Night Service	8-3
Storing Common Speed Dial Numbers	8-4

9. General Information

Care Of Your Commander	9-2
Service Problems.	9-2
Power Failure	9-2
Other Difficulties	9-3

With Compliments
Absolute Phone & Data

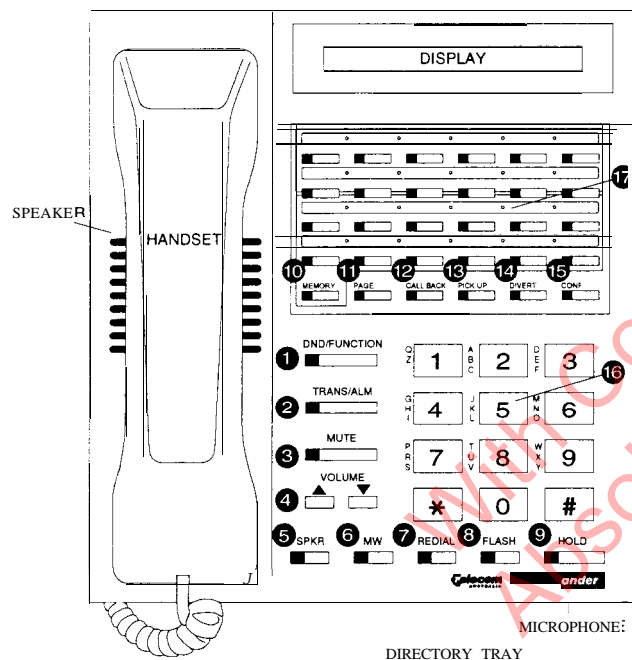
With Compliments
Absolute Phone & Data

1. Getting to Know Your Commande

Keystations

There are two keystation models:

- Standard Keystation (No display)
- Executive Keystation (1 line x 16 character display)



Keystation Diagram
[IL01]

Keystation Key Description

Function Keys

1. [DND/FUNCTION]
When the station is in the idle mode this key will initiate "Do Not Disturb". In the Off-Hook mode it is used to prefix function codes.
2. [TRANS/ALARM]
In the idle mode this key is used to set up an appointment alarm. During conversation it is used to transfer a call to another station.
3. [MUTE]
Enables and disables the station microphone.
4. [Δ] and [∇]
Increases or decreases the handset, loudspeaker and ringing volume.
5. [SPKK]
Enables or disables the handsfree mode.
6. [MW]
Used in conjunction with the Message Wait Facility.
7. [REDIAL]
The [Redial] key is used to redial the last number called or while listening to ring/busy tone on an outside line call will initiate Automatic Redial.
8. [FLASH]
Used to recall a parent PABX. Also with network facilities, such as Telecom's Centel™ and EasyCall™.
9. [HOLD]
Used to place outside line and intercom calls on hold. Also in the idle mode, pressing the [Hold] key will turn the Background Music on and off.
10. [MEMORY]
Used to access memory functions.
11. [PAGE]
Used to access the paging facility.
12. [CALL HACK]
Provides an automatic call back when busy stations or lines become free.
13. [PICK UP]
Picks up calls ringing at other stations in the same station group.
14. [DIVERT]
Used to temporarily transfer incoming calls to another station.
15. [CONF]
Used to set up a conference.
16. Dial Keys
Used to access numbers and functions within the system and via the PSTN.
17. Selection Keys
[DSS] Direct Station Select keys access other stations within the system. Associated LEDs indicate the status of the station, i.e. Busy, Ringing or Idle.
[SPD] Personal Speed Dial keys give one touch dialling facilities.

Selection Keys

For each system the allocation of functions to the selection keys varies. The following layouts show the functions allocated to each selection key.

Keystation labels are supplied with each system indicating the key function layout for that system. The HX1224 also has supplied two labels for the "Operator" station, station 2 1. On these labels the last 18 keys are blank.

Commander HX308

LINE 1	LINE 2	LINE 3	FAX	DSS 21	DSS 22
DSS 23	DSS 24	DSS 25	DSS 26	DSS 27	DSS 28
SPD1	SPD 2	SPD 3	SPD 4	SPD 5	SPD 6
SPD7	SPD 8	SPD 9	SPD 10	SPD 11	SPD 12
MEMORY	PAGE	CALLBACK	PICK UP	DIVERT	CONF

Selection Key Assignment for the **HX308** Keystation
[IL02]

The selection keys on the Telecom Commander HX308 keystations are assigned the following functions:

- Keys 1 to 3 Outside line keys 1 to 3
- Key 4 Fax key
- Keys 5 to 12 Direct Station Select (DSS) keys 1 to 8
- Keys 13 to 24 Personal Speed Dial keys 1 to 12
- Keys 25 to 30 Preset function keys 1 to 6

Commander HX616

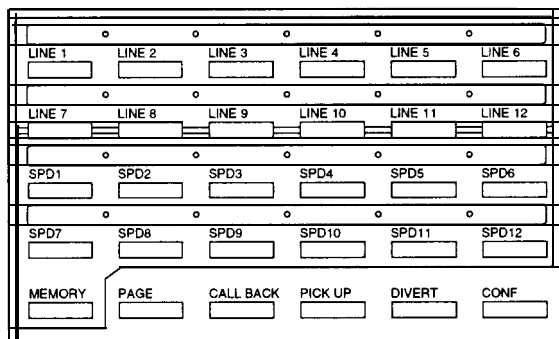
LINE 1	LINE 2	LINE 3	LINE 4	LINE 5	LINE 6
SPD1	SPD2	SPD3	SPD4	SPD5	SPD6
SPD7	SPD8	SPD9	SPD10	SPD11	SPD13
SPD13	SPD14	SPD15	SPD16	SPD17	SPD18
MEMORY	PAGE	CALL BACK	PICK UP	DIVERT	CONF

Selection Key Assignment for the HX616 Keystation
[IL03]

The selection keys on the Telecom Commander HX6 16 keystations are assigned the following functions:

- Keys 1 to 6 Outside line keys 1 to 6
- Keys 7 to 22 Dual function:
Direct Station Select (DSS) keys
OR
Personal Speed Dial keys 1 to 16
- Keys 23 and 24 Personal Speed Dial keys 17 and 18
- Keys 25 to 30 Preset function keys 1 to 6

Commander HX1224



Selection Key Assignment for the **HX1224** Keystation
[IL04]

The selection keys on the Telecom Commander HX1224 keystations are assigned the following functions:

- Keys 1 to 12 Outside line keys 1 to 12
- Keys 13 to 24 Dual function:
Programmable Direct Station Select (DSS) keys
OR
Personal Speed Dial keys 1 to 12
- Keys 25 to 30 User programmable:
Direct Station Select (DSS) keys
OR
Function keys

Programmable Selection Keys (HX1224 only)

Selection keys 13 to 24 are dual function keys: the DSS facility can be programmed to access any station.

Selection keys 25 to 30 are programmable as either DSS keys or Function keys.

The following codes are used during programming.

- 11 Memory (Speed Dial)
- 12 Page
- 13 Call-back
- 14 Pick-up
- 15 Divert
- 16 Conference
- 21 to 44 DSS keys for stations 21 to 44

To Assign a Station to a DSS Key:

- Press the [#] key PROGRAM CODE:
- Enter the Command number(16) KEY PROGRAMMING
- Press the required selection key (13 to 30)
For example 26 KEY26: PAGE

The display shows the station/function already assigned to that key
- Enter the required station number (21 to 44)
For example 35 KEY26: PAGE35
- Press the [#] key to return to Idle mode Mon, 11 Jan 09: 43

To Assign a Feature to a Function Key:

- Press the [#] key **PROGRAM CODE:**
- Enter the Command number (16) **KEY PROGRMMING**
- Press the required selection key (25 to 30)
For example 26 **KEY26: 35**
- The display shows the station /unction already assigned to that key.*
- Enter the required station number (11 to 16)
For example **12** (PAGE) **KEY18: 2612**
- Press the [#] key to return to Idle mode **Mon, 11 Jan 09:43**

Handstree and Off -hook Operation

The Commander HX keystations have a built-in loudspeaker and an additional microphone that enables the keystation to be used in either Off-hook mode or Handsfree mode.

In the Off-hook mode the handset is used and the loudspeaker is turned off.

In the Handsfree mode the handset is left On-hook and the [SPKR] key is used to activate the station. Progress of the call and conversations is heard through the loudspeaker.

To return to the Idle mode, from Handsfree mode, press the [SPKR] key.

■ In the following instructions for use of your keystation, the term “Lift the handset” may also be read as ‘Press the [SPKR] key’ to proceed in Handsfree mode.

Direct Station Select Keys

Direct Station Select [DSS] keys provided single button access to other stations on the system. Each (DSS) key has an associated red LED which shows the station status.

Attribute	Meaning
Off	Free
On Flashing	Ringing
Red	Busy

The Commander HX308 and HX616 systems have one [DSS] key for each station.

The 12 [DSS] keys on the Commander HX1224 keystation have, at default, the first 12 stations assigned to them. These may be changed by programming.

The [DSS] keys can be used in either Handsfree or Off-hook mode. Pressing a [DSS] key while the keystation is idle activates your keystation in Handsfree mode and connects you to the desired station.

line Keys

Each outside line has a dedicated [LINE] key, which provides single button access to that line. Each [LINE] key has an associated two colour LED that shows the status of that line.

Colour	Attribute	Meaning
Off		Free
Red	Steady	In use at another station
Red	Flashing	On Common Hold at another station
Green	Steady	In use at this station
Green	Slow Flashing	On Common Hold at this station
Green	Fast Flashing	Ringing or on Exclusive Hold at this station

The [LINE] keys can be used in either Handsfree or Off-hook mode. Pressing the key while the station is idle will activate the station and connect you to the line, in Handsfree mode.

Single line Telephones

Single Line Telephones (SLTs) may be connected to Commander HX systems up to 4 on the HX308, up to 8 on the HX616 and up to 16 on the HX1224.

If you have an SLT, the facilities and features explained in the following sections can be accessed by dialling the following codes:

Feature	Code
Call Pick-up	11
Access Barring Override	12+Password
Zone Paging	13
Last Number Redial	15
Speed Dial	16
Place call on Common Hold	HF 17
Retrieve call from Hold	17
Program Personal Speed Dial Numbers	#17
Call-back	HF 1
Transfer	HF
Set Message Wait	HF 191
PABX Hook-flash	HF 18
Paging Call Pick-up	*1+(STN No.)

HF = Hook-flash

☛ Hook-flash will not be recognised on an outside line call for up to 10 seconds after the last digit has been sent.

☛ The range of codes in this table is indicative only. Any keystation operation described in this user guide that has a dial code associated can be performed from an SLT

Audible Signals

Signal	Meaning
Normal ring	Outside call
Long repeating ring	Intercom call
Normal ring for ten seconds repeated every 9 seconds	Hold Recall
Short burst of ring	Call Waiting OR Incoming intercom call in Voice mode

Service Tones

Tone	Meaning
Continuous tone	System dial tone
Long repeating tone	Intercom ring tone
Short repeating tone	Error tone
Slow repeating tone	Busy tone
Rapid repeating tone	Transfer tone OR Hold confirmation tone

With Compliments
Absolute Phone & Data

2. Answering Calls

Answering Calls

Intercom Calls

To Answer an Intercom Call Ringing at Your Station:

- Hear ringing CALL FROM STN25
- Lift the handset CALL FROM STN25
- Replace the handset at the end of the call Mon,11 Jan 09:43

■ If a call is made to your station while you are on another call, you will hear a short burst of ringing and the display will show:

CALL FROM STN25

To Answer an Intercom Call Ringing at Another Station:

- Press the flashing [DSS] key CALL FROM STN25

To Answer an Intercom Call Ringing at Another Station within Your Station Group:

- Press the flashing [DSS] key CALL FROM STN25
OR
Lift the handset
- Press the [PICKUP] key CALL FROM STN25
OR
Dial 11

Outside Calls

To Answer an Outside Call Ringing at Your Station:

- Hear ringing LINE02RINGING
- Lift the handset LINE02:

To Answer an Outside Call Ringing at Another Station:

- Press the flashing red [LINE] key LINE02:

To Answer an Outside Call Ringing at Another Station within Your Station Group:

- Press the flashing red [LINE] key LINE02:
OR
Lift the handset
- Press the [PICKUP] key LINE02:
OR
Dial 11

Door Station Calls

To Answer a Door Station Call Ringing at Your Station:

- Hear ringing
- Lift the handset

To Answer a Door Station Call Ringing at Another Station within Your Station Group:

- Lift the handset
- Press the [PICKUP] key
OR
Dial 11

■ After the call button is pressed on the Door Station, Music On Hold is heard at the Door Station for up to 5 seconds. If the call is not answered during this period the call is cancelled.

■ The display on the HX308 indicates 'DOOR' only.

Door Unlock (HX308 only)

If an electronic door lock has been connected, it can be operated from your station.

While You are Connected to the Door Station:

- Dial 1 to unlock the door

With Compliments
Absolute Phone & Data

3. Making Calls

Making Calls

Intercom Calls

To Make an Intercom Call:

- Lift the handset

- Dial the station number
OK

Press the appropriate [DSS] key

If the station is free and ringing is heard, the [DSS] key may be pressed again. The call is converted from a Signal call to a Voice call. The called station is automatically activated in Handsfree mode and two-way conversation may take place.

Intercom Call-back

If the station you call is bus>-, you can activate this feature to call you back when that station becomes free.

To Set Intercom Call-back when a Called Station is Busy:

- Hear the busy tone

- Press the [CALL BACK] key

- Replace the handset

*When the called station is free,
your station rings*

- Lift the handset

- The called station will not ring until you lift the handset. If you do not lift the handset within 10 seconds, the Call-back is cancelled.

Outside Calls

To Make an Outside Call:

- Lift the handset

- Dial 0 and listen for dial tone

- Dial the required number

OR

- Lift the handset

- Press a free [LINE] key and listen for dial tone

- Dial the required number

- In the Idle mode pressing a [LINE] key or dialling 0 will activate the keystation and connect you to a free line in Handsfree mode. Then continue as above.

Outside Line Call-back

If all outside lines are busy you can activate this feature to queue on one particular line and call you back when it becomes free.

To Set Outside Line Call-back when All Lines are Busy:

- Hear the busy tone

- Press the [CALL BACK] key

- Replace the handset

When the line becomes free
your station rings

CALL BACK 8 2

- Lift the handset

LINE02:

You are connected to the free line and may continue dialling the
required number

- If you dial 0 to access a line, the system monitors the last line
and you will only receive a Call-back when it becomes free.

Door Station Calls

When a call is made to a Door Station, no tones are heard at the
Door Station. This feature can be used to monitor activity in the
vicinity of the Door Station. To ensure that no sound is sent from
your keystation use the [MUTE] key.

Door Station on the Commander **HX308**

To Make a Door Station Call:

- Lift the handset

- Dial 193

DOOR

Door Stations on the Commander **HX616/1224**

To Make a Door Station Call:

- Lift the handset

- Dial 193

DOOR ID:

- Dial the Door Station
number 0 or 1

DOOR ID: 0

Door Unlock (HX308 only)

If an electric door lock has been connected, it can be operated from
your station.

While You are Connected to the Door Station:

- Dial 1 to unlock the door
- This feature is not available from Single Line Telephones.

With Compliments
Absolute Phone & Data

4. Automatic Dialling

Last Number Redial

To Automatically Redial the Last Outside Number Dialed from Your Station:

- Lift the handset
- Press the [REDIAL] key

LINE02:8183888

The system automatically redials the last outside number

- You can use the [REDIAL] key after pressing the [SPKR] key or a free [LINE] key, or after dialling 0. If you press the [REDIAL] key while the station is in the Idle mode, a free outgoing line is automatically selected and the last number redialled.

Repeat Dialling

If you receive a busy signal or your call is unanswered after making an outside call, you can set your station to automatically retry the number up to 3 times at 30 seconds intervals

During this waiting period, the outside line that was selected is reserved for you and appears busy to all other stations. However an incoming call on this line takes priority and the automatic redial will be cancelled.

When Repeat Dialling is activated the [REDIAL] LED flashes slowly.

To Set Repeat Dialling:

- Listen to Busy or Ring tone
- Press the [REDIAL] key and hang up
- Wait 30 seconds

LINE02:8183888

AUTO REDIAL 1

Your call is automatically redialled.

LINE02:8183888

If there is still no answer or the number is still engaged the call is released and retried in 30 seconds.

When the called person answers:

- Lift the handset

The call is released if not answered within 10 seconds

- Automatic redial is attempted three times and then cancels

To Cancel Repeat Dialling:

- Lift and replace the handset

Speed Dialling

This facility allows you to access previously stored numbers by dialling a short code. Speed Dial numbers fall into two categories:

- | | |
|----------|--|
| Personal | Up to 20 numbers may be stored for each station. These numbers are stored by you at your station. |
| Common | Up to 80 numbers may be stored for use by any station within the system. These numbers can only be stored by station 21. |

Speed Dial numbers are numbered from 00 to 99:

- 00 to 19 are Personal (for each station)
- 20 to 99 are Common

To Store Speed Dial Numbers:

- Press the [#] key PROGRAM CODE:
- Press the [MEMORY] key STN SPD DIAL
OK
Dial 17
- Dial a Speed Dial number (00 to 19) SPD12:
- Dial the number to be stored and press the [MEMORY] key SPD12: 8183888
- Enter the next number to be stored SPD13:
OK
- Press the [#] key to return to Idle mode Mon, 11 Jan 09:43

☛ Use the [HOLD] key to delete an entry.

When storing numbers the following keys may also be used:

- | | |
|----------|--|
| # | places a DTMF # in the Speed Dial number |
| * | places a DTMF * in the Speed Dial number |
| [FLASH] | places a Timed Loop Break (TLB) in the Speed Dial number |
| [REDIAL] | places a pause in the Speed Dial number |

To Call a Speed Dial Number:

- Lift the handset
- Press the [MEMORY] key SPEED DIAL
Hear the confirmation tone
- Dial the speed dial code (00 to 99) SPEED DIAL
The number is automatically dialled LINE02: 8183888

Speed Dial Keys

The Speed Dial [SPD] keys provide single button access to Personal Speed Dial numbers.

Each keystation has a number of [SPD] keys: the allocation and use of these keys depends on the system model to which the station is connected.

Commander HX308

Selection keys 13 to 24 (secIL02) are allocated as Speed Dial keys. Personal Speed Dial numbers 00 to 11 are assigned to these keys.

To make a call using one of these keys simply press the [SPD] key. An outgoing line will be selected and the number dialled.

Commander HX616

Selection keys 7 to 24 (see ILO3) are allocated as Speed Dial keys. Personal Speed Dial numbers 00 to 17 are assigned to these keys.

To make a call using one of these key, select a free Outside line and then press the required [SPD] key. The stored number will be dialled.

- Selection keys 7 to 22 are dual function keys. When one of these keys is pressed without selecting an Outside line, it will function as; [DSS] key.

Commander HX1224

Selection keys 13 to 24 (see ILO4) are allocated as Speed Dial Keys. Personal Speed Dial numbers 00 to 11 are assigned to these keys.

To make a call using one of these key, select a free Outside line and then press the required [SPD] key. The stored number will be dialled.

- Selection keys 13 to 24 are dual function keys. When one of these key is pressed, without selecting an Outside line, it will function as a [DSS] key.

To Use [SPD] Keys with Automatic Line Selection:

- Lift the handset
- Press the [MEMORY] key
- Hear the confirmation tone
- Press the [SPD] key

SPEED DIAL

LINE02:8183888

An outside line is automatically selected and the number dialled

PABX Access

When PABX lines are connected to the Commander HX as well as ordinary PSTN lines, special consideration must be given when storing and using Speed Dial numbers.

All Speed Dial numbers must be stored with the PABX access code. The system will recognise the type of line selected and will either:

- Ignore the PABX access code if a PSTN line is selected
- OR
- Insert a pause after the PABX access code if a PABX line is selected.

With Compliments
Absolute Phone & Data

5. Holding and Transferring Calls

Holding Calls

Outside Calls

An outside call may be placed on Hold. The keystation is then free to make a second call. The held caller will hear music while on Hold.

Calls may be placed on either Common or Exclusive Hold:

Common Hold - any keystation can retrieve the held call.

Exclusive Hold - only the holding keystation can retrieve the held call.

Common Hold

To Place a Call on Common Hold:

- Ask the person to wait

LINE02

- Press the [Hold] key

[HOLD LINE82

Hear confirmation tone then internal dial tone. The display will go blank after 2 seconds

- The [Hold] LED will be lit while the call is held. The [LINE] key on your keystation will slowly flash green to indicate that this keystation is holding the call. At all other keystations the [LINE] key will slowly flash red.

To Retrieve a Call from Common Hold:

- Press the slowly flashing green [LINE] key at your keystation
OR
Press the slowly flashing red [LINE] key at any other keystation

- A call on Common Hold may be retrieved at any station.

Exclusive Hold

To Place a Call on Exclusive Hold:

- Ask the person to wait

LINE02:

- Press the [Hold] key **twice**

[HOLD LINE82

Hear confirmation tone then internal dial tone. The display will go blank after 2 seconds

- The [Hold] LED will be lit while the call is held. The [LINE] key on your keystation will fast flash green to indicate that this keystation is holding the call. At all other keystations the [LINE] key will be steady red.

To Retrieve a Call from Exclusive Hold:

- Press the fast flashing green [LINE] key at your keystation

LINE02:

Recall from Hold

If a call is not retrieved from Hold within a preset period, usually 90 seconds, a reminder signal is given:

- The station will ring for 10 seconds

[HOLD RECRL 82

- Lift the handset

LINE02:

- If the call is not answered another timeout period will begin. If the call was on Exclusive Hold the call will revert to Common Hold.

Intercom Calls

An Intercom call may be placed on Hold. Your keystation is then free to make a second call. The held caller will hear music while on hold. If the held station hangs up, the Hold will be cancelled. Intercom Calls can only be placed on Common Hold, allowing any station to retrieve the held call.

To Place a Call on Common Hold:

- Ask the person to wait

STN25:

- Press the [Hold] key

HOLD STN25

Hear confirmation tone then internal dial tone. The display will go blank after 2 seconds

The [Hold] LED will be lit while the call is held. The [DSS] key on all keystations will slowly flash red to indicate the keystation is being held.

To Retrieve a Call from Common Hold:

- Press the slowly flashing red (DSS) key at any keystation

STN25:

Recall from Hold

If a call is not retrieved from Hold within a preset period, usually 90 seconds, a reminder signal will be given:

- The station will ring for 30 seconds

HOLD RECALL 2 5

- Lift the handset

STN25:

If the call is not answered within the 30 seconds the held call will be cancelled.

Transferring Calls

An outside call may be transferred to another station, either with or without announcement. If the call is transferred without announcement and is not answered within a preset period, the call will revert to the original station.

To Transfer a Call to a Free Station:

- Ask the caller to wait

LINE02:

- Press the [TRANS] key

TRSF

Hear the transfer tone

- Press the required [DSS] key
OR
Dial the station number

STN25:

Hear ringing tone

- Replace the handset
OR
Wait until the station answers announce the call and then replace the handset

To Return to the Call Without Completing the Transfer:

- Press the [LINE] key the caller is waiting on
OR
Press the [TRANS] key

LINE02:

To Transfer a Call Using Voice Call:

- Ask caller to wait
- Press the [Hold] key
- Press required [DSS] key twice
- When called person responds, advise which line key to press.

Transfer to a Busy Station

To Transfer a Call to a Busy Station:

- Ask the caller to wait LINE02:
- Press the [TRANS] key TRSF

Hear the transfer tone

- Press the required [DSS] key
OR
Dial the station number TRSF CALL BACK 2 5

Hear the busy tone

- Replace the handset (Mon.11 Jan 09:43

When the called station becomes free the call will be connected to that station.

- If an outside line call is transferred to your station while you are engaged on another call, you will hear a short burst of ringing and the display will show "TRSF CALL BACK 2.1".

Transfer with Page

To Transfer a Call After a Paging Announcement:

- Ask the caller to wait LINE02:
- Press the [PAGE] key PAGING ZONE:

Hear the Paging tone.

The incoming call is automatically placed on Common Hold and your [HOLD] LED will glow

- Dial the required Zone number PAGING ZONE:2
- Make the Paging announcement including the station number PAGING ZONE:2

- Replace the handset (Mon.11 Jan 09:43

To Retrieve a Call After Hearing a Paging Announcement:

- At any station press the slowly flashing [LINE] key LINE02:
OR
Dial * 1 followed by the station number that made the Paging Call

Direct Transfer (HX308 Only)

A call may be transferred directly to another station using the [DSS] keys.

To Transfer a Call Using the [DSS] Keys:

- Ask the caller to wait
- Press the required [DSS] key

Hear the ringing tone

- Replace the handset
OR
Wait until the station
answers, announce the call
and replace the handset

To Return to the Call Without Completing the Transfer:

- **Press** the [LINE] key the
caller is waiting on

Recall from Transfer

If the call was transferred without announcement and is not answered within a preset period, (usually 90 seconds) the call will revert to the station that made the transfer.

To Answer a Recall From Transfer:

Hear the ringing tone

- Lift the handset

With Compliments
Absolute Phone & Data

6. Paging and Conference Calls

Paging Calls

Paging calls can be made through the speakers of idle keystations or, if connected, through an external public address system.

Paging calls can be directed to:

- 1 of 3 Internal Zones
- All Internal Zones
- 1 External Zone
- All Zones

To Make a Paging Announcement:

- Lift handset

- Press the [PAGE] key

Hear the confirmation tone

- Dial required zone number:

0 = All Internal Zones

1 = Internal Zone 1

2 = Internal Zone 2

3 = Internal Zone 3

4 = External Zone

5 = All Zones (see Note 1)

Hear the Paging tone (see Note 2)

- Make your announcement

- Replace the handset

Note 1: Pressing the [PAGE] key twice will select All Zones paging.

Note 2: If no Paging Tone is heard, the paging call will not be successful. This will happen if all the stations in a zone are busy. If a station is busy the Paging call will not be heard over that station's speaker.

■ SLTs cannot receive Paging calls.

Conference Calls

You can set up a Conference call with up to three people. This can include one outside party and/or one Single Line Telephone.

Internal Conference

To Make a Conference Call with Three Internal Parties:

- Call first station

- Press [CONF] key

First station is placed on Hold and the confirmation tone is heard

- Call second station

- Press [CONF] key

Second station is placed on Hold and the confirmation tone is heard

- Press [CONF] key

All stations hear the intrusion tone

- The conference can now proceed

■ While in conference, only the convenor has 'CONF 25 27' displayed, other stations have 'CALL FROM 22' displayed.

External Conference

To Make a Conference Call with One External and Two Internal Parties:

- Call the outside party and advise of conference call

LINE02: 8 1 8 3 8 8 8

- Press the [CONF] key

CONF

Confirmation tone is heard and the outside party is placed on Hold

- Call the internal party

STN25:

- Press the [CONF] key

CONF

Confirmation tone is heard and the 2nd station is placed on Hold

- Press the [CONF] key

CONF 62 25 27

All parties hear the intrusion tone

- The conference can now proceed

With Compliments
Absolute Phone & Data

With Compliments
Absolute Phone & Data

7. Other Facilities

Access Barring Override

At installation, stations are allocated a Class of Restriction. This limits the numbers that can be dialled from each station and is called Access Barring. Access Barring Override is used to bypass this restriction.

To Override Access Barring:

- Press the [SPKR] key

- Dial 12

- Enter the Password

Internal dial tone is heard

- Access an outside line

- Dial the required number

TOLL PASSWORD
TOLL PASSWORD

LINE0
LINE02: 8 8 1 1 1 5 5 5

The call will not be subject to Access Barring. The override will only be valid for one call: the above procedure must be repeated to make a second call.

Alarm Reminder

You can set a reminder alarm to sound at a preset time. There are two types of alarms available:

- The first alarm is used for a single occasion and is cancelled automatically after the alarm rings.
- The second type of alarm is used for a daily reminder and operates each day at the same time, until it is changed.

Single Alarm

To Set the Single Alarm:

- Press the [TRANS/ALARM] key

- Dial 1

- Dial the required time
(24hr format)

Four digits must be entered.

The display scrolls left as the digits are entered

- Press the [TRANS/ALM] key

The [TRANS/ALM] LED will glow.

At the required time rapid ringing is heard for 10 seconds, or three bursts if the station is busy. The station returns to idle and the [TRANS/ALM] LED goes out.

To Reset the Alarm Before the 10 seconds:

- Lift the handset

ALARM:
DAY RLM HH:MM

Mon,11 Jan09:43

--

Daily Alarm

To Set a Daily Alarm:

- Press the [TRANS/ALM] key ALARM :
- Dial 0 DAILY R L M HH:MM

- Dial the required time (24hr format)

Four digits must be entered.

The display scrolls to the left as digits are entered.

- Press the [TRANS/ALM] key Man.1 1 Jan 89: 43

The [TRANS/ALM] LED glows.

At the set time rapid ringing is heard for 10 secs, or three bursts if the station is busy. The station returns to idle and the [TRANS/ALM]

LED continues to glow while the Daily Alarm is set.

Cancelling an Alarm

To Cancel a Reminder Alarm:

- Press the [TRANS/ALM] key ALARM :
- Dial 1 to cancel Single Alarm (DRY R L M 12:30
OR
Dial 0 to cancel Daily Alarm

The current Alarm set time is displayed

- Press the [Hold] key Mon,11 J a n 09:43

The alarm is cancelled, the station returns to Idle and the [TRANS/ALM] LED goes out

Background Music

If your system has access to music from an external source, this music can be played through your keystation speaker while the station is idle. If an external music source is not available then the internal Music On Hold chimes will play.

To Activate Background Music:

While the station is idle,

- Press the [HOLD] key Mon,11 J a n 09:43

Music is heard through the loudspeaker.

Background Music is cancelled if the station is used to make or receive a call.

To Cancel Background Music:

- Press the [HOLD] key Mon,11 J a n 09:43

Call Detail Recorder (CDR)

Call Detail Recorder (CDK) output is available on the HX6 16 and HX1224 systems and provides call record information. A printer, Call Management System (CMS) or Telephone Information Management System (TIMS) can be connected to this output to print or store the information.

CDR Output Format

The following is a sample of a CDK printout for an HX616.

Each page contains up to 50 call records. The title and column headings are printed at the top of each new page.

☛ If the printer etc. fails, runs out of paper or the connection is broken for some reason, then some call records will be lost.

<< STATION MESSAGE DETAIL RECORDING >> COMMANDER HX 616									
	CLASS	DATE	TIME	LINE	DUR	ST#	DIALED#	RING	AC
00	INC	02/07/93	1007.03	03	00:01:55	21			
01	OTG	02/07/93	10.09 43	02	00:04:34	35	8183888		
02	INC	02/07/93	10 1507	03	00:02:10	27			
03	OTG	02/07/93	10:18:14	04	00:01:15	31	001112129792727		
04	INC	02/07/93	10 24.33	02	00:00:17	21			
05	INC	02/07/93	10:25:54	02	00:01:43	28			
06	OTG	02/07/93	10:21:19	06	00:08:27	27	092583696		
07	OTG	02/07/93	10:31:03	03	00:02:22	24	11661		

Column 1 Call Number
The call records are numbered sequentially from 00 to 49 on each page.

Column 2 Class of Call
(CLASS) The Class or type of call is shown as follows:

Incoming Call	INC
Outgoing Call	OTG

Column 3 Date of Call
(DATE) Indicates the date the call was recorded in the format Day/Month/Year.

Column 4 Time of Call
(TIME) Indicates the start time of the call in 24 hour format (hr:min:sec).

Column 5 Line Number
(LINE) Indicates the number of the outgoing line in the system

Column 6 Duration of the call
(DUR) Indicates the duration of the call in hours, minutes and seconds (hr:min:sec).

Column 7 Station Number
(ST#) Indicates the number of the station making or receiving the call.

Column 8 Dialed Number
(DIALED#) Indicates the digits dialed on an outgoing call. The CDR may be programmed to strip the last two digits of a dialed number to maintain privacy.

Column 9 Not Used.
(RING)

Column 10 Not Used
(AC)

Confidence Tone

This facility confirms the registration of each valid key press at a keystation. When activated, a low level tone is heard by the user as each key is pressed. A tone is not given if the pressed key is not a valid option.

To Activate ConfidenceTone:

- Press the [#] key
- Dial 14
- Dial 1
- Press the [#] key

PROGRAM CODE:
KEY TONE:
ENABLED
Mon,11 J a n 09:43

To Disable ConfidenceTone:

- Press the [#] key
- Dial 14
- Dial 0
- Press the [#] key

PROGRAM CODE:
KEY TONE:
DISABLED
Mon,11 Jan,69:43

Decadic to Tone Dialling

When dialling out on a Decadic (pulse) line, you can switch the station to tone (DTMF) dialling. This allows access to facilities such as telephone banking, computer services networks etc.

To Change From Decadic toTone Dialling:

- Call the required service

When the service answers,

- Press the [#] key

Any digits dialled now will be sent intone format.

Decadic dialling automatically resumes on the next call.

■ When a CDR is connected to the system **all** dialled digits, including any passwords, are recorded.

Divert All Calls

Divert All Calls allows a keystation user to divert all incoming calls to another nominated station.

To Divert All Calls to Another Station:

- Press the [DIVERT] key SET DIVERT: and wait 2 seconds
- Dial the station number to receive your calls DIVERT ALL:25
- Press the [#] key Mon,11 J a n 09:43

While divert is set, the [DIVERT] LED will glow and interrupted dial tone is heard when the handset is lifted.

To Cancel Divert All Calls:

- Press the lit [DIVERT] key SET DIVERT and wait 2 seconds
- The display will change after one second DIVERT ALL:25
- Press [HOLD] MON,11 J R N 09:43

The [Divert] LED goes out and Divert All Calls is cancelled

Do Not Disturb

Do Not Disturb (DND) allows you to block all intercom and Paging calls to your station

To Set Do Not Disturb:

- Press the DO NOT DISTURB [DND/FUNCTION] key
- The [DND/FUNCTION] LED will glow while DND is set and callus will receive busy tone

To Cancel Do Not Disturb:

- Press the lit Mon,11 J a n 09:43 [DND/FUNCTION] key

☛ If your station is a 'manager' station and has a 'secretary' assigned, when DND is activated any calls to your station will be diverted to the 'secretary' station. The 'secretary' can still call the 'manager' even when DND is set.

☛ Station number 21 does not have this facility

Facsimile

Facsimile machines may be connected, as stations, to any of the HX systems. The HX308 provides extra facilities as detailed below. For the larger systems, calls intended for the facsimile machine must first be answered and then transferred in the normal way.

HX308 Only

On the Telecom Commander HX308 up to two facsimile machines may be allocated for one touch transfer. An incoming call intended for the facsimile machine can be transferred by pressing the [FAX] key. If two facsimile machines are used, the call will be connected to the first free machine.

To Forward an Incoming Call Intended for the Facsimile Machine:

- Answer the incoming call

LINE02:

Hear the fax tones

- Press the [FAX] key

LINE02:

- Replace the handset

Mon,11 Jan 09:43

The [FAX] **LED** indicates the status of the facsimile machines as follows:

Attribute	Meaning
Off	Both facsimile machines free
On	Both facsimile machines busy
Flashing	1 of 2 facsimile machines busy

Group listening

This facility enables the keystation speaker to be turned on while the handset is in use. This allows both sides of a conversation to be heard over the loudspeaker.

To Activate Group Listening:

- Make a call using the handset
- Press the [DND/FUNCTION] key
- Dial * 0

LINE02:

FUNC I D:

GROUP LISTENING

The keystation speaker turns on

- Continue the conversation using the handset

GROUP LISTENING

- Group listening is de-activated automatically when the call is terminated.

To De-activate Group Listening While a Conversation is in Progress:

- Press the [DND/FUNCTION] key
- Dial * 0

FUNC I D:

(Mon,11 Jan 09:43)

The keystation speaker turns off and the conversation may be continued as normal

Headset Operation

A keystation handset may be replaced by an Austel approved headset. When connected and activated the [SPKR] key is used to perform the Off-hook function.

To Activate Headset Mode:

- Press the [#] key
- Dial 15
- Dial 1
- Press the [#] key

PROGRAM CODE
HEADSET MODE
ENABLED
Mon.1 1 Jan 09: 43

To De-activate Headset Mode:

- Press the [#] key
- Dial 15
- Dial 0
- Press the [#] key

PROGRAM CODE
HEADSET MODE
DISABLED
Mon.1 1 Jan 09: 43

☛ While in Headset mode, the station cannot operate Handsfree

Intercom Answer Mode

A keystation user may choose to have incoming intercom calls signalled by one of the following modes:

Ring incoming intercom calls ring at the keystation until the call is answered.

Voice incoming intercom calls are signalled by a short burst of ringing, then the keystation automatically enters Handsfree mode. The caller's voice is heard through the loudspeaker and conversation can take place Handsfree. If required you can lift the handset to change to Off-hook mode.

To Set Intercom Answer Mode:

- Press the [#] key
- Dial 10
- Dial the required code
Voice Mode = I
Ring Mode = 0
- Press the [#] key

PROGRAM CODE:
SET CALL MODE
VOICE CALL
Mon,11 Jan 09:43

☛ Ring mode may be overridden by callers pressing their [DSS] key twice. See page 3-2 *Making Intercom Calls*.

Incoming Ring Tone

You can select one of four different ringing pitches for incoming calls to your keystation.

To Change the Ringing Tone of Your Keystation:

With the handset on the keystation;

- Press the [#] key

PROGRAM MODE

- Dial 13

RING FREQUENCY

- Press the [*] key

FREQUENCY 2

Hear test tone

- Continue pressing the [*] key until the required tone is heard

FREQUENCY 3

- Press the [#] key to select

Mon,11 Jan 09:43

The station returns to Idle mode.

■ Four different ring frequencies are available

Line Failure Monitoring

If an attempt is made to access an outside line that has failed or is not connected to the system an error tone is heard and the display shows 'NOT CONNECTED'.

This line is then taken out of service and cannot be accessed by dialling 0. When the fault has been rectified and the line is successfully accessed by pressing the [LINE] key, the system will return the line to service.

HX1224 Only

If a non equipped [LINE] key is pressed the display shows:

LINE■■: NOT EXIST

Manager - Secretary Pairs

When a station (programmed as the 'manager' station) selects DND, all calls to that station are automatically forwarded to the associated 'secretary' station. The secretary is the only station that can call to the manager's station while DND is selected.

While DND is not selected and the 'manager' station is busy, incoming calls will be transferred to the 'secretary'.

When the manager station is in Idle mode the [FLASH] key can be used to signal or "Buzz" the secretary station. This is an audible indication only: no connection is made.

Message Waiting

Message Waiting allows you to notify a busy or unattended keystation that you would like that person to contact you. A visual indication is left at the called keystation.

To Set a Message Waiting Signal at a Keystation:

- Make a call to the station

STN 25:
- Press [MW]

MSG SET STN 25

The [MW] LED at your keystation lights and the called keystation [MW] LED flashes. The display goes blank after 2 seconds, the call is cancelled and dial tone is heard.

If a Message Waiting Signal is left on Your Keystation:

- Press the [MW] key

MSG 25 21

The display shows the number of the station(s) that set Message Wait.

To Return a Call to the Station that Set Message Wait:

- Lift the handset
- Press [MW]

STN25:

A call is made to the keystation that left the message. The [MW] LED on each keystation only goes out when the call is answered.

To Cancel a Message Waiting on Your Station Without Calling Back:

- Press the lit [MW] key **twice**

Mon,11 Jan 09:43

Single Line Telephones cannot receive messages and cannot leave messages at busy stations.

Microphone Mute

The [MUTE] key on your keystation is used to temporarily mute the station microphone during a conversation. This facility may be required if you do not wish the caller to overhear a conversation taking place in the vicinity of the station.

To Mute the Microphone:

- Press the [MUTE] key

The microphone is disabled and the [MUTE] LED glows.

- Press the [MUTE] key again to enable the microphone.

[MUTE] can be used in either Handsfree or Off-Hook mode.

With Compliments
Absolute Phone & Data

8. Station 21

Date and Time

The system date and time can be reset at Station 21.

To Set Date and Time:

- Press the [#] key

PROGRAM CODE :

- Dial 55

YY MM DD W HH:MM

- Dial the new Date and Time.

The display scrolls left as the digits are entered:

YY Last two digits of the year
 MM The month (01-12)
 DD The day of the month (01-31)
 W The day of the week
 0 Sunday
 1 Monday
 2 Tuesday
 3 Wednesday
 4 Thursday
 5 Friday
 6 Saturday
 HH The hour of the day (00-23)
 MM The minute of the hour (00-59)

- Press the [#] key

Mon.1 1 Jan 09:43

The system automatically updates all the display stations.

Night Service

The Night Service function, which is assigned by the installing technician, allows the following programmable facilities to be changed for different parts of the day:

- The ring allocations for incoming outside line calls.
- The class of restriction for each station.

To Activate Night Service at Station 21:

- Press the [DND/FUNCTION] key

NIGHT MODE

The [DND/FUNCTION] LED flashes.

To Return to Day Mode:

- Press the [DND/FUNCTION] key

Mon.1 1 Jan 09:43

Storing Common Speed Dial Numbers

Station 2 1 can store the Common Speed Dial numbers that are accessed by all stations.

To Store Station Speed Dial Numbers:

- Press the [#] key

PROGRAM CODE:

- Press the [MEMORY]key
OR
Dial 17

STN SPD DIAL

- Dial a Speed Dial number
(20 to 99)

SPD36:

- Dial the number to be
stored and press the
[MEMORY]key

SPD36:8183888

- Enter the next number to
be stored
OR

SPD37:

Press the [#]key to return
to Idle mode

Mon.1 1 Jan 09:43

■ Use the [HOLD] key to erase an entry.

If required, Common Speed Dial numbers 00 to 59 can be exempt from Access Barring.

With Compliments
Absolute Phone & Data

9. General Information

Care of Your Commander

Commander telephones systems are manufactured to meet the highest quality standards.

Follow these common-sense guidelines to help maintain trouble-free service:

- Handle your keystation with care; avoid dropping or knocking it.
- Avoid subjecting the equipment to temperature extremes or damp, steamy or greasy conditions.
- Never immerse the equipment in water. Clean the surface with a slightly damp cloth. Do not use detergents, polishes or commercial cleaners.
- Do not tamper with your Commander in any way; interference with its sensitive electrical components could render it unsafe to use.

Service Problems

Power Failure

To prevent loss of service during a power failure:

- A customer supplied Battery Back-up facility can be connected to maintain full system operation
OR
An optional facility of the system will automatically connect the first two or three outside lines to Single Line Telephones.

Unless one of these facilities is provided, calls cannot be made or received under powerfail conditions.

If power failure occurs, the system will retain all programmed data for a minimum of 48 hours.

Other Difficulties

If operating difficulties occur, first check if power is available.

If difficulties persist, call Service Difficulties on 132999.

Revision History

Issue	Page	Item	Amendment
2	1-4	Selection Keys	[IL02] labelling amended
2	1-6	Selection Keys	[IL03] labelling amended
2	1-10	Direct Station Select Keys	Attribute/Meaning table revised
2	1-12	Single Line Telephones	Extra features/codes included in table Second note added
2	1-13	Service Tones - Rapid Repeating	Second meaning added
2	3-5	Door Unlock (HX308 only)	Note re Single Line Telephones added
2	5-5	Transferring Call	Transferring in Voice Call added
2	7-10	Divert All Calls	2 sec wait added to procedure
2	7-17	Manager Secretary Pairs	Use of [FLASH] key amended

Index

A

Access Barring, 1-20
Alarm Reminder, 1-24
Alternative Point, 1-22
Austel Permit Label, 2-3
Automatic Pause Insertion, 1-28
Automatic Release, 1-2 3

B

Background Music, 1-24
Battery Backup, 1 - 15
Busy Lamp Field, 1-25
Buzz, 1-26

C

Cabling, 2 - 12
 Ancillary, 2-22
 Door Station, 2-23
 Exchange Lines, 2-20
 Expansion Boards, 2 - 19
 External Paging, 2-2 3
 Keystations, 2-20
 Music on Hold (MOH), 2-22
 Powerfail Lines, 2-24
 Single Line Telephones, 2-2 1
 Station Based Amplifier (SBA), 2-2 1
Call Detail Recorder (CDR), 2-28
C.D.R., 1-17
 Installation, 2-29
 printout, 2-28
 Programming Options, 2-29
Centel/Easycall Compatibility, 1-28
CHAMP Connector
 Positions, 2- 12
 Wire Allocation HX 308, 2-14
 Wiring, 2-1 3
 Wire Allocation HX 1224, 2-17
 Wire Allocation HX 616, 2- 15
Class of Restriction, 1-20
Clock Display, 1-26
Conference, 1-20
Confidence Tone, 1-2 6
CPU Board, 2-9

D

Data Protection, 1-28
Data devices, 1-28
Data Line checking, 2-3 1
Decadic to DTMF, 1-20
Divert All Calls, 1-26
Direct Station Selection, 1-2 3
DIP Switch Setting, 2-10
Door Station, 1-15, 2-23
 programming, 2-24
Door
 Lock, 1-15
 Unlock, 2-24
Do Not Disturb (DND), 1-26

E

Enhanced Network, 1-22
Exchange Line,, 1-20, 1-22
Exclusive Line, 1-26
External Music Source, 1 - 15
External Paging, 1 - 15
Earthing System, 2 -2
Expansion Board
 Component Location, 2-9
 Installation, 2-5

F

Facsimile, 1 - 18
Facsimile Machine, 1 - 16

G

Group Listening, 1-26

H

Handset Volume Level, 1-26
Handsfree Conversation, 1-26
Headset, 1 - 17
Hold, 1-18
Hold Recall, 1-1 8

HX1224 Main Equipment, 1-8
HX308 Main Equipment, 1-6
HX616 Main Equipment, 1 -7

I

Incoming Calls, 1 - 18

Incoming

Ring,, 1-18

Ring Group, 1 - 18

Ring Mode, 1 - 18

Ring Tone, 1-26

Ring Volume, 1 - 18

Installation Checklist, 2-4

Integrated Services Digital Network (ISDN), 1-28

Intercom Call, 1-24

Intercom Call-back, 1-24

Intercom Signal /, 1-24

K

Keystation, 1-9

Executive, 1-9

Key Functions, 1 - 11

LED Functions, 1-32

Standard, 1-9

Wall Mounting, 2-26

Krone Modular Socket Wiring, 2-2 1

L

Last Number Redial, 1-22

Lightning Protection, 2 - 2

M

Main Equipment, 1-5

HX1224, 1-8

HX308, 1-6

HX616, 1-7

Installation, 2-5

Main Board Component Location

HX 1224, 2-8

HX308, 2-6

HX616, 2-7

Maintenance Procedures, 4- 1

Manager/Secretary Pairs, 1-26

Message Waiting, 1-27

Microphone Mute, 1-28

Mixed External Line, 1-22

Music-on-Hold, 1-29

N

Night Service, 1-29

Numbering Scheme, 1-4

O

ODX

Lines, 1 - 15

Cabling, 2-22

Off-hook Signalling, 1-1 8

On-hook Dialling, 1-28

Operator Station, 1 - 15

P

PABX Recall, 1-22

Paging,, 1-24

Powerfail Lines, 1 - 15

Programmable DSS Keys, 1-28

Programmable Function/DSS Keys, 1-28

Programming

Codes, 3-2

Commands, 3-3

Data Entry, 1-30

Levels, 1-30

System, 3-1

R

Recall Display, 1-20

Repeat Dialling, 1-22

Repair Procedures

Keystation, 4-9

Main Equipment, 4-9

Flow Charts, 4-9

Power Supply, 4-9

S

Selection keys

HX308, 1-1 2

HX616, 1-12

HX1224, 1-14

Single Line Telephones, 1 - 14

Speed Dialling, 1-24

Station Based Amplifier, 1 - 17

Station Groups, 1-30

Station Self Test, 1-28

Station Signals, 1 - 3 2

System

Block Diagram, 1 - 3

Capacities, 1-2

Characteristics, 1-3 1

Programming, 3- 1

Signals and Tones, 1 - 3 2

T

Test Points, 4-7

Tests

Functional, 4- 1

Station, 4-6

Station Self Test, 4- 1

System, 4-2

Time and Date Setting, 1-28

Transfer, 1 - 19

Transfer Number Display, 1-20

Two Colour LED Indication, 1-28

Addendum 1

Page	Item	Change
I-4	Numbering Scheme	Revised table Note re SLTs added
I-11	[IL06] - Key Assignment HX308	Revised drawing - labelling change
I-11	[IL07] - Key Assignment HX616	Revised drawing - labelling change
1-12	[IL08] - Key Assignment HX1224	Revised drawing - labelling change
I-13	Door Lock	Text revised
1-14	Headset	Headset must suit telephones with dynamic transducers
1-16	Alternative Carrier	Preselection code may be up to four digits
1-19	Buzz	Use of [FLASH] key by manager station to 'buzz' secretary
1-19	Do Not Disturb	DND blocks ALL intercom and paging calls including assianed secretary
1-22	Interface Specifications	Add <i>NO PARITY</i> to Serial Interface
1-23	Keystation LED functions - DSS Key	Revised Table
2-11	[IL19] - DIP switch	Revised drawing - labelling change
2-11	Expansion Board	Switch setting tables revised
2-20	Station Based Amplifier	Revised wording - <i>RINGTONE</i>
2-21	Station Based Amplifier	Incoming ring tone n/a for paging announcements
2-21	Single Line Telephones	Modular socket pin numbers revised
2-24	Door Station	Door unlock from kevstation clarified
2-26	Keystations - Wall Mounting	Revised Table
3-2	Programming Codes	System Reset not available in all versions of software
3-4	Set Divert - Example - Cancel	Revised procedure
3-13	System Reset	Note added-
3-25	Carrier Preselection Code	Revised text reapplication of Access Barring Code may be up to four digits Note re Class of Restriction added
3-28	Hold Recall Time	Input Data range revised to 0-255
3-29	Transfer Recall Time	Input Data range revised to 0-255
3-30	Alarm Duration Time	Input Data range revised to 0-255
3-32	RS232 Baud Rate - Default	Add <i>NO PARITY</i>
3-41	Boss/Secretary Assianment	Use of [Flash] key on Boss station