

Model KS308/416 System Administration Guide

Contents

Introduction	3
Installation Hints	4
System Programming	5
IMPORTANT – Exchange Lines	6
Assign Incoming calls to ring Nominated Extensions	7
Cascade Ringing Of Extensions	8
To assign an Extension to use only a specific Exchange Line for Outgoing Calls	9
To assign an Exchange line for exclusive use for outgoing calls by nominated extensions	9
To assign Extensions to Direct Dial Mode	10
Least Cost Routing (LCR) for all Calls	11
Assign A Second Digit for accessing IP Calls	11
Call Barring / Call Restrictions	12
System Speed Dials	14
Music On Hold	15
Auto Attendant Mode / Direct Inward System Access (DISA)	16
Auto Fax Detect	17

Remote Programming	20
Troubleshooting	21
Technical Specification	23

Introduction

Thank you for choosing the Orchid Telecom KX308/416 keyphone system. Please take time to read through this Administration guide to get the most from your new purchase.

Installation Hints

- Ensure the On/Off switch located on the left hand side of the PBX is switched to On. (-)
- All extension sockets should be Master type with built in ringing capacitor. (If you use a secondary type socket, and your extension phones are older type 4-wire working, they will not ring).
- We have a range of "Easy Install" adaptors for connecting the extensions. They are available in 3 lengths; 10cm, 5m and 10m. Please contact your supplier for more details.
- Only extensions 201-204 will ring on incoming calls (factory default setting) unless you nominate any other extensions to ring. See page 7 of the Administration Guide.

Wall Mounting:

- Drill 2 holes, 16cm apart. (Take extra care not to drill through electrical wiring or pipes.)
- Adjust the screw heads until the PBX fits firmly against the wall.

System Programming

All programming is done on Extension 201 ONLY.

NOTE: If Programming is being done successfully you will hear a Beep (**beep**) after every **#**, if unsuccessful you will hear a Series of Beeps after the **#**.

In this guide all dialed digits will appear in **RED** text.

System Password

The factory default password is: * 0 1 (1234) #

Changing the Password

Ext 201 Dial: Current Password * 0 1 1234 # (beep)

Dial: New Password * 0 2 xxxx # (beep) Hang Up

NB: Your new Password will be: * 0 1 xxxx #

Entering the password in Direct Dial mode

If you change the programming Extension 201 to **Direct Dial mode** (page 10) you will need to dial an extra * in front of the Password:

* * 01 1234 # 2

NOTE: When you enter the programming mode on 201 all the other Extensions will be cut off. Therefore ensure that other Extensions are not on calls before you start programming.

We strongly recommend that you store your new password into a one-touch memory. This will simplify all future programming.

IMPORTANT - Exchange Lines

The KS308 and KS416 are configured at the factory for 3 or 4 lines respectively.

3 Exchange Line connected:

Ext 201	Dial:	Password (beep) * 3 1	1 2 3 Lines	#	(beep)	Hang Up
4 Exchange	e Lines	connected:				
Ext 201	Dial:	Password (beep) * 3 1	1 23 Lines	4 #	(beep)	Hang Up

Assign Incoming Calls to ring Nominated Extensions

This is a useful feature for spreading the incoming call load over certain extensions or a specific line direct to a specific extension. Useful if you are sharing the PBX with another company.

IMPORTANT: The factory set default is to ring Extensions 201 – 204 only.

If you want to add further extensions to ring, please use the following examples to help you get your PBX set up as per your requirements.

Add extensions 207 and 208 to ring on Line 1

Ext 201	Dial:	Password (beep)	* 12	01	207	#	(beep)	
			* 12	01	208	#	(beep)	Hang Up
				Line	Ext			

Now extensions 201 – 204 and 207 – 208 will ring on Line 1.

Further Examples

If you do not want one or all of extensions 201 – 204 to ring, you must first clear the factory default setting as follows:

To assign Extensions 207 and 208 ONLY to ring on Line 1

Clear Line 1:

Ext 201	Dial:	Password (beep)	* 11	01 # Line	bee (bee	p)	Hang	ј Up
Ext 201	Dial:	Password (beep)	* 12 * 12	01 01 Line	207 208 Ext		(beep) (beep)	Hang Up

To assign Extensions 205 and 206 ONLY to ring on Line 2:

Clear Line 2:

Ext 201 Dial: Password (beep) * 11 Hang Up 02 # Line Dial: Password (beep) Ext 201 * 12 02 205 # (beep) * 12 02 206 # (beep) Hang Up Line Ext Add extensions 205, 206 and 207 to ring on Line 3: Ext 201 Dial: Password (beep) * 12 03 205 # (beep) * 12 03 206 # (beep) * 12 03 207 # (beep) Hang Up Line Ext

Now extensions 201 – 207 will ring on Line 3.

Cascade Ringing of Extensions

This feature enables extensions to ring sequentially until the incoming call is answered. If the first extension is busy, the second extension will ring and so on.

Example: To assign Extensions 201, 202, 203 and 204 to ring sequentially on Line 1.

Clear factory default:

Ext 201	Dial:	Password (beep)	* 11	<mark>01</mark> Line	#		На	ng Up
Ext 201	Dial:	Password (beep)	* 13 * 13 * 13 * 13	01 01 01 01 Line	201 202 203 204 Ext	# # # # #	(beep) (beep) (beep) (beep)	Hang Up

If extension 201 is busy, the system will ring the next available assigned extension.

Example: To assign Extensions 206, 207 and 208 to ring sequentially on Line 3.

Clear factory default:

Ext 201	Dial:	Password (beep)	* 11	<mark>03</mark> Line	# (b	eep)	Hang Up
Ext 201	Dial:	Password (beep)	* 13 * 13 * 13	03 03 03 Line	206 207 208 Ext	# # #	(beep) (beep) (beep) Hang Up

If extension 206 is busy, the system will ring the next available assigned extension.

To Assign an Extension to use Only a Specific Exchange Line for Outgoing Calls

A useful feature if you want to keep lines 1 and 2 free for incoming calls or other priority Extensions for outgoing calls. This does not restrict other extensions from using the same outside line.

Example: To restrict extension 208 to use exchange line 3 only.

Ext 201	Dial: P	assword (beep) *	41		208 Ext	# (be	ep)	Hang Up
To cancel th	nis assigr	iment:						
Ext 201	Dial:	Password (beep)	* 43	03	<mark>#</mark> (b	eep)	Hang U	р

To Assign an Exchange line for exclusive use for outgoing calls by nominated extensions

This applies only Outgoing calls only, incoming calls can be answered by all extensions.

Example:

To assign Extensions 207 and 208 to be the only Extensions that can make outgoing calls on line 3.

Ext 201 Dial: Password (beep) * 42 03 207 # (beep) * 42 03 208 # (beep) Hang Up Line Ext Ext 201 Dial: Password (beep) * 44 03 # (beep) Hang Up

To Assign Extensions for Direct Dial Mode

As currently configured all extensions must Dial 9 for a line (Factory Default Setting). This can be changed so that Extensions automatically access the next available outside line as soon as they pick up the phone.

To convert ALL extensions to Direct Dial mode:

Ext 201 Dial: Password (beep) * 8 10 # (beep) Hang Up

To revert ALL extensions to Dial "9" mode:

Ext 201 Dial: Password (beep) * 8 00 # (beep) Hang Up

To convert extensions 207 and 208 ONLY to Direct Dial mode:

Ext 201	Dial:	Password (beep)	* 82	207	1	#	(beep)	
	Dial:	Password (beep)	* 82	208	1	#	(beep)	Hang Up

To revert extensions 207 and 208 ONLY to Dial "9" mode:

Ext 201Dial:Password (beep)* 822070#(beep)Dial:Password (beep)* 822080#(beep)Hang Up

NB:

- 1. Direct Dial Extensions must Dial * in front of the Extension number when making internal calls.
- If Extension 201 is converted to Direct Dial and wants to program system features, an extra * must be inserted in front of the Password. (* * 01 1234 #)

Least Cost Routing (LCR) for All Calls

Many Phone companies offer attractive rates for their National, Mobile and International calls. To use their services however you will have to prefix all Internationals with a 4,5 or 6 digit access code.

The Orchid PBX can be programmed to automatically insert the Phone companies access code for all calls starting with 0, as follows:

To Prefix all calls on ALL lines with Carrier Call18185

Ext 201 Dial: Password (beep) * 35 18185 # (beep) Hang Up

To Cancel LCR Prefix

Ext 201 Dial: Password (beep) * 35 # (beep) Hang Up

If you only want the LCR function on one line say line 3:

Ext 201 Dial: Password (beep) * 34 03 18185 # (beep) Hang up

To Cancel LCR on line 3

Dial: Password (beep) * 34 03 # (beep) Hang Up

Assign a Second Digit for accessing IP calls

As currently configured you need to dial 9 to access the BT or Cable line to make outgoing calls. If you also have an IP service connected to one or more of your lines you can program a digit 1 - 8 to access the IP service automatically.

Example 1: To assign Digit 7 to access IP service on lines 2 and 3

Ext 201 Dial: Password (beep) * 971 7 02 # (beep)

To Cancel Dial: * 971 # (beep)

Example 2: To assign Digit 8 to access IP services on line 3

Ext 201 Dial: Password (beep) * 971 8 03 # (beep)

To Cancel Dial * 971 # (beep)

To make IP calls just dial 7 as in example 1 or 8 as in example 2.

NOTE: If your Extensions have been change for Direct Dial mode you need to dial * in front of the 7 or 8 as above.

Call Barring / Call Restrictions

The Orchid Key System has a very flexible Call Restrictions package which should enable you reduce your phone Bill by eliminating unnecessary calls.

For example you can restrict individual or All extensions from calling premium rate numbers, International numbers, mobile numbers or calls to the Speaking clock or Directory enquires.

Calls can also be limited to just any of the 99 System Speed Dial memories.

Call types such as Local, National, Mobile, International, Non Geographic, Directory enquiries etc can be programmed into Call Groups.

CALL BARRING

There are Call barring groups 1 to 6, and each group can have up to 20 call types of up to 4 digits.

For Example Group 1 could contain Premium rate 09 and mobile 07 call types, Group 2 could contain International calls to Asia 008 and Directory enquiries 118 etc. These groups can be assigned to individual or all extensions.

Example 1. To assign 09 and 07 into group 1 and 008 and 118 into group 2

Ext 201 Dial: Password (beep) * 57 1 09 # 07 * 57 2 008 # 118 # (beep) Hang Up

Example 2. To assign 01 and 02 into group 3 and 100, 123, 00, 07 and 09 into group 4

Ext 201 Dial: Password (beep) * 57 3 01 # 02 * 57 4 100 # 123 # 00 # 09 # (beep) Hang Up

INTERNAL CALLS only Group 0

To assign Extensions for Internal calls only they should be assigned to Group 0. The system has already been programmed for Group 0 to only allow internal calls. For example, you may have a phone in your reception area or in a public area.

TO ASSIGN GROUPS 1 - 6 or 0 to Extensions

Example 1.

To assign Group 1 to all extensions (Group 1 may bar calls to 09 numbers)

Ext 201 Dial: Password (beep) * 54 1 # (beep) Hang Up

To Cancel Group 1 being assigned to All Extensions,

Ext 201 Dial: Password (beep) * 53 # (beep) Hang Up

Example 2.

To assign Group 2 to Ext 204 and Group 0 to Ext 208

Ext 201 Dial: Password (beep) * 51 2 42 # * 51 2 80 # (beep) Hang Up

To cancel Ext 204 being assigned to group 2

Ext 201 Dial: Password (beep) * 53 204 # (beep) Hang Up

To Assign Extensions to dial speed-dial memories ONLY

This is the ultimate cost saving feature to prevent unauthorized telephone use. In this mode, the extensions can only call business related numbers; suppliers, customers or colleagues for example.

We strongly recommend that you program emergency services numbers in to a memory when using this feature.

Example: To assign extensions 207 and 208 to Dial system speed-dials only

Ext 201 Dial: Password (beep) * 51 207 92 # * 51 208 92 # (beep) Hang Up

To cancel Ext 204 being assigned to group 2

Ext 201 Dial: Password (beep) * 53 207 92 # * 53 208 92 # (beep) Hang Up

System Speed Dials

Up to 99 telephone numbers can be stored into the PBX systems memory bank and can be dialled by any Extension which has been Programmed to use this feature.

NOTE: Any Extension which has been programmed to use Speed-Dials can ALSO store numbers into the memory bank.

The Administrator may or may not want certain Extension users to change, delete or add speeddials therefore the programming instructions are excluded from the Extension Userguide. Only how to use the Speed-Dials is included

Storing Speed-Dials and Dialling Speed-Dials is the same sequence for "Dial 9" or " Direct dial" extensions.

Assign Extensions for Speed Dialling

Example 1: To assign Extensions 201 and 202 for Speed Dialling;

Ext 201 Dial: Password (beep) * 40 201 1 # 202 1 # (beep)

Example 2. To assign ALL extensions for Speed Dialling

Ext 201 Dial: Password (beep) * 40 201 1 # 202 1 # 203 1 # 204 1 # 205 1 # 206 1 # 207 1 # 208 1 # (beep)

To Remove Extensions from using the Speed Dialling

Example to remove Ext 205

Ext 201 Dial: Password (beep) * 40 205 0 # (beep)

Storing Speed-Dial numbers

Store Speed-Dial numbers in locations 01-99. Up to 24 digits can be stored per Speed-Dial.

Any assigned Extension can add, delete or change a Speed-Dial memory (Please note these instructions are not contained in the Extension Guide, they should be released at the discretion of the Administrator)

Example 1. To store 01572 717888 into Speed-Dial location 01

* No Password needed *

Dial: # * * 01 01572 717888 # (beep) replace the handset.

Example 2. To store 07722225678 into Speed-Dial location 33

Dial: # * * 33 07722225678 # (beep) replace the handset

Dialling Speed Dial numbers

To call the number in Speed-Dial location 01, Dial ## 01

To call the number in Speed-Dial location 33, Dial ## 33

Deleting and changing a Speed-Dial number

To change a number you must delete it first

Example: To change the number stored in Speed-Dial location 01 to 01572 222333

Dial:	# **01 #	(beep)	Hang up	The number is now deleted
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Dial: # * * 01 01572 222333 # (beep) Hang up

Music On Hold

The KS308/416 has an intermittent comfort tone which the caller hears while the call is being transferred. However we recommend you make use of the external Music On Hold Port, located on the rear of the unit. This will provide a variety of music and a more professional image. A standard CD player, fixed or portable, can be connected to this port using a Mono Audio Cable with 3.5mm plugs connected at both ends. The CD Player should have a "Repeat" function. If using a portable CD player, we recommend you use a DC power adaptor, which is usually an optional extra. Contact your supplier for details about the Orchid Music On Hold Kit.

To check or listen to Music On Hold

Ext 201 Dial: Password (beep) * 2 4 # (beep) Music will be played for 10 secs

Auto Attendant Mode / DISA Direct Inward System Access

All lines or individual lines can be programmed for Auto Attendant Mode (AA). In AA mode the KS308/416 answers incoming callers and they will hear your personalised Outgoing Message (OGM).

During the OGM you can instruct the callers to Dial any extension or 0 for the operator, the Operator Extension is 202 by default, but this can be changed to any Extension of your choice. In fact you can program Operator 1 and Operator 2.

The Key System also allows you to record OGMs for Engaged or Non-answered Extensions.

To record the Auto Attendant outgoing message (OGM)

You have up to 15 seconds for the OGM.

A Suggested message is as follows:

" This is Smith and Co. If you would like the Sales department please Dial 201, if you would like Customer Services please Dial 208, and for all other enquiries, please Dial 0 for the operator"

Ext 201 Dial: Password (beep) * 221 # (beep) Record Message Hang Up

To playback the Auto Attendant Outgoing Message (OGM)

Ext 201 Dial: Password (beep) * 231 # (beep) Listen to Playback Hang Up

OGM if the Extension is Busy

You can record a message to inform the caller to Dial 0 for the Operator because the Extension is Busy.

The maximum message length is 7 seconds. A suggested message is as follows:

" I am sorry the Extension you require is Busy please dial 0 for the operator"

Ext 201 Dial: Password (beep) * 222 # (beep) Record Message Hang Up

To Playback the Extension Busy OGM

Ext 201 Dial: Password (beep) * 232 # (beep) Listen to Message Hang Up

OGM if Extension is unanswered after 25 seconds.

You can record an OGM informing the Caller to Dial 0 for the operator because the Extension is not answering. To record the Unanswered OGM, Max 7 seconds: A suggested message is as follows "I am sorry, the Extension you require is not answering, please Dial 0 for the operator"

Ext 201 Dial: Password (beep) * 223 # (beep) Record Message Hang Up

To Playback the Unanswered OGM

Ext 201 Dial: Password (beep) * 233 # (beep) Listen to Message Hang Up

To Assign Operator Extension(s) for the Auto Attendant mode

When the Caller Dials 0 for the operator, Extension 202 will ring, if 202 is busy extension 203 will ring.

You can program the Extensions of your choice for Operator 1 or Operator 2, which will answer if Operator 1 is busy.

To Change Operator 1

Ext 201 Dial:	Password (beep) *25 (Ext Number) # (beep)	Hang Up
To Change Operato	or 2	
Ext 201 Dial:	Password (beep) * 26 (Ext number) # (beep)	Hang Up
To assign all Line	es for Auto Attendant	
Ext 201 Dial:	Password (beep) * 2 0 # (beep)	Hang Up
To assign a singl	e Line for Auto Attendant	
Example – To Assi	gn Line 3 <u>only</u> to Auto Attendant	
Ext 201 Dial:	Password (beep) * 2 0 0 3 # (beep) Code Line	Hang Up
To remove the A	uto Attendant feature from All Lines	
Ext 201 Dial:	Password (beep) *21 # (beep)	Hang Up

Auto-Fax Detect

In Auto Attendant mode the Key System can detect an incoming fax and automatically transfer it to a Fax machine.

Example: Connect a fax machine to Extension 208

To assign Extension 208 to Automatically receive an incoming fax;

Ext 201 Dial: Password (beep) * 27 208 # (beep) Hang Up

To cancel Auto fax detect

Ext 201 Dial: Password (beep) * 27 # (beep) Hang Up

To Assign single digit for Auto Attendant operation

This feature enables your incoming callers to dial a single digit to access Extensions eg: Press 1 for Sales, 3 for Service, 4 for Accounts etc.

To activate single digit operation

Ext 201 Dial: Password (beep) * 29 1 # (beep) Hang Up

To Cancel single digit operation

Ext 201 Dial: * 29 0 # (beep) Hang Up

To assign Single digits for an Extension or Extensions

IMPORTANT NOTE: Only Digits 1,3,4,5,6,7,8,9 can be used do not use 2.

Example 1: To assign Extensions 201,202,and 203 to Digit 1. These Extensions will ring in turn if the first Extension is busy.

Ext 201 Dial: Password (beep) * 150 1 201 # * 150 1 202 # * 150 1 203 # (beep) Hang Up

Example 2: To assign Extensions 204 to 205 to Digit 5.

Ext 201 Dial: * 150 5 204 # * 150 5 205 # (beep) Hang Up

Note: To change the Extensions assigned to a Digit you must first clear the Programming as follows:

Ext 201 Dial: Password (beep) * 140 Digit # (beep) Hang Up

Confirm Extension number

If you have a Caller Display phone you can confirm the Extension number. **Dial: # * 9** hang up, the phone will ring and the display will show 6 digits. The first 3 digits show the Extension Jack number ie; 004 and the last 3 digits show the Extension number ie; 024

Operator Call

Any extension can **Dial: 0** and they will be automatically connected to Extension 202. If 202 is busy they will be connected to 203.

Ringback on Busy

If the Extension you call is busy you can enter Ringback mode by Dialling Recall (R) # # 0 0 and hang up.

When the Extension is Free your phone will ring, lift the handset and the Free Extension will ring automatically.

Transfer calls when busy

This feature enables you to transfer Internal and External calls to another Extension if you are engaged on a call.

To Activate Transfer **Dial: # * 1 Ext no** To Cancel Transfer when engaged **Dial: # * 1 00**

Transfer All calls to another Extension

To transfer all calls to another Extension **Dial: # * 2 Ext no** To cancel the transfer of all call **Dial: # * 2 00** Transfer all calls to your secretary

To transfer all calls to your secretary Dial: # * 6 Ext No

In this mode only the Secretary can call your Extension.

To cancel calls being transferred to your secretary Dial: # * 6 00

Do not disturb mode

If you do not want to receive internal or external calls **Dial: # * 71** and hang up.

To cancel "Do not disturb" mode Dial: # * 70

BT or Cable Select (Star) Services

Select Services (Also known as Star Services) such as Call Divert, 3 way Calling etc, can be set up on extensions that are in "Dial 9 for a Line" mode or 'Direct Dial' mode.

To operate Star Services from an extension in "Dial 9 Mode". Dial **#** followed by Line number 1, 2 or 3 followed by the service On or Off code.

To operate Star Services from an extension in "Direct Dial Mode" Dial * **#** followed by the line number 1, 2 or 3 then the service On or Off code. To select a specific line on a "Call By Call" basis

The Extension can either be in "Dial 9 for a Line" Mode or Direct Dial Mode.

Lift Handset & Dial:

1 (For Line 1) # 2 (For Line 2) # 3 (For Line 3)

When in Direct Dial Mode, please remember to add a * in front of the above examples.

* # 1 (For Line 1) for example

Power Failure

In the event of a power failure the exchange lines will automatically be extended as follows:

Line 1 to 201 Line 2 to 202 Line 3 to 203

Remote Programming

This is a useful feature if a company has several offices, it enables the Administrator to program Key System features including Speed Dial memories, remotely. It also enables your Key System provider to assist you in setting up the system.

To program the system remotely call the Key System and get transferred to Extension 21, the person on Extension 201 should be instructed to Dial **RECALL (R)** then **#** * **#** *. You can now program the System as required, NO NEED to dial the system password before programming.

Alternatively the person on 201 of the system that needs programming can call you, Dial **RECALL** (R) followed by # * # * both parties should hang up when programming is completed.

Caller Display

The Caller Display feature is subject to Network connection, check with your line provider. When this feature is activated on your line and providing you have compatible Caller Display Telephones, the Telephone numbers of incoming callers will be displayed and logged on Extensions.

Caller Display Extension to Extension

This feature is provided by the Key System and is not subject to Network connection.

Providing you have compatible Caller Display telephones when an Extension calls you internally their Extension number will be displayed. For example, if Ext 208 calls you 00208 will be displayed on the LCD.

Many Corded and Digital cordless phones have their Phone Book and Caller Display features linked. If a Caller Display number is matched with a number in the phone book the Name allocated to that number will be displayed on the LCD.

For example, if Ext 208 is allocated as the reception phone:

On your Caller Display phone enter the telephone number 00028 in to the phone book memory followed by "Reception phone".

If anyone calls you from Extension 208 "Reception Phone" will be displayed on the LCD

Troubleshooting

The factory default settings are as follows:

- All Extensions are Dial 9 For a Line.
- Extension 201 to 204 ONLY ring on incoming calls
- Call restrictions removed on all extensions
- Auto Attendant (DISA) OFF.

To Reset the System to Factory Default settings

Ext 21 Dial: Password (beep) * 6000 # (beep) Hang Up

Reset Password

Ext 21 Dial: # 62 * 1234 # (beep) Hang Up

The Password will be re-set to factory default 1234.

No Dial Tone on Extension Handsets...?

• The Key System is compatible with 2 wire phones only, if they are 4 wire, we recommend using the Orchid Easy Install Adaptors. To check if the phone is 2 wire compatible, look at the small RJ11 plug that connects to the phone, if it is 2 wire it will only have 2 connections like the black cable below.



• Do you dial 9 for a line, dial the number and are unable to get through? It could be that your BT service is Feature Line which requires you to dial 9 to make outgoing calls.

If so you will need to dial 9 to get a line and 9 again followed by the number. If you are on "Feature Line" we recommend you convert all extensions to "Direct Dial" mode.

See Page 10 in the Admin User Guide. In Direct Dial mode, as soon as you lift the handset to make a call, you will get a BT line without having to Dial 9, therefore, you will only have to dial 9 ONCE before the telephone number.

Unable to Dial 9 for a line...

• Ensure that the phone connected is in TONE dialling mode and NOT Pulse dialling mode.

On Incoming calls, not ALL extensions ring...

- The factory default setting will make only extensions 201 to 204 ring on incoming calls. See page 5 of the Admin Guide for instructions to make other extensions ring on incoming calls.
- Check to ensure that the phone is NOT 4 wire, if it is, you will need to use Orchid Easy Install Adaptors or if the phone is plugged in to a secondary socket you will need to replace the secondary socket for a master socket.
- Ensure the ringer setting on the phone is set to ON.

I am unable to call another extension...

- Ensure the power supply is on, the Power LED on the PBX should be on.
- Is the extension in Direct Dial Mode?
 If so, you will need to dial a *, then the extension number required.

I am unable to transfer calls...

• You must use Recall or 'R' button when transferring calls, please ensure the Recall type is set to TBR (Time Break Recall). A TBR – ELR switch is normally located on the base of the phone.

I am unable to program the Key System...

- ALL programming must be done from extension 201.
- Make sure the phone being used to program is set to TONE not PULSE dialling mode.
- Dial the password (* 01 1234 #) before entering programming strings. You will hear a confirmation beep (beep) when the password or any programming sequence is entered correctly.
- If extension 201 is in Direct Dial Mode, the password needs to be entered as * * 01 1234 #.

Contact Orchid for more assistance

You can email us at the following address with any further enquiries regarding the Orchid Key System Range.

PBX Support@orchid-telecom.com

Technical Specification

Capacity:	3 Lines and 8 Extensions for KS308 4 Lines and 16 Extensions for KS416
External sockets:	Line and Extensions terminated on RJ11 sockets. External Music socket 3.5 mm Mono
Communication channels:	4 on KS308 8 on KS416
Transmission loss:	Extension to Extension < 1.5 dB Extension to Exchange < 2 dB
Ringing Current:	AC65V/50Hz
Balance about earth:	* 300Hz600Hz < 40dB * 600Hz3400Hz< 46dB
Dialling mode:	DTMF
Signalling:	Internal Dial tone 400 Hz continuous Sine wave Internal Ring tone 400 Hz 1s on/4s off Internal Busy tone 400 Hz, sine wave, 0.3s on/0.3s off
Caller Display:	Receive; DTMF and FSK (Bell 202) Send; FSK (Bell 202)
Power Supply:	AC230V/12W Secondary 24V and 5V
Approvals:	CE and RoHS compliant