



**Model  
PBX 206  
System User Guide**

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# Introduction

Thank you for choosing the Orchid Telecom PBX 206 telephone system. Please take time to read through this User Guide to get the most from your new purchase.

## Installation Hints

- 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.

### Wall Mounting:

- Drill 2 holes, 8.5cm 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 1 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.

# IMPORTANT - Exchange Lines

The PBX 206 is configured at the factory for 2 Exchange Lines to be connected. If you only have 1 line connected it is important that the system is set-up as follows:

1 Exchange Line connected:

Ext 1 Dial: \* # 2 1 # (beep) Hang Up

2 Exchange Lines connected:

Ext 21 Dial: \* # 2 1 2 # (beep) Hang Up  
Lines

## 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 all Extensions 1 – 6 on both lines.

This ringing pattern can be changed to suit your requirements.

If you only want Extensions 1, 2 and 3 to ring on Line 1 and Extensions 4, 5 and 6 to ring on Line 2

Ext 1 Dial: \* # 1 1 1 123 # (beep)  
          \* # 1 2 2 456 # (beep) Hang Up  
                          Line Ext

# Call Barring / Call Restrictions

The Orchid PBX 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.

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 4, 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 1 Dial: \* # 4 1 09 # (beep) \* # 4 1 07 # (beep) Hang Up**

**Ext 1 Dial: \* # 4 2 008 # (beep) \* # 4 2 118 # (beep) Hang Up**

Example 2.

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

**Ext 1 Dial: \* # 4 3 01 # (beep) \* # 4 3 02 # (beep) Hang Up**

**Ext 1 Dial: \* # 4 4 100 # (beep) \* # 4 4 123 # (beep) Hang Up**

**Ext 1 Dial: \* # 4 4 00 # (beep) \* # 4 4 07 # (beep) Hang Up**

**Ext 1 Dial: \* # 4 4 09 # (beep) Hang Up**

To Clear Restricted numbers from any group

**Ext 1 Dial: \* # 4 ( 1 - 4 ) # (beep) Hang Up**

## TO ASSIGN GROUPS 1 - 4 to Extensions

Example 1.

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

**Ext 1 Dial: \* # 5 01 # (beep) Hang Up**

Example 2.

To assign Group 1 to extensions 5 and 6

**Ext 1 Dial: \* # 5 5 6 1 # (beep)**  
Ext Group

Example 3.

To assign Group 4 to extensions 3 and 4

**Ext 1 Dial: \* # 5 3 4 4 # (beep)**  
Ext Group

## Auto Attendant Mode / DISA Direct Inward System Access

Both lines can be programmed for Auto Attendant Mode (AA). In AA mode the PBX206 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 2 by default.

To record the Auto Attendant outgoing message (OGM)

You have up to 12 seconds for the OGM.

A Suggested message is as follows:

" This is Smith and Co. If you would like the Sales department please Dial 1, if you would like Customer Services please Dial 2, and for all other enquiries, please Dial 0 for the operator"

**Ext 1 Dial: \* # 2 2 0 0 # (beep) Record Message Hang Up**

To playback the Auto Attendant Outgoing Message (OGM)

**Ext 1 Dial: \* # 2 3 0 0 # (beep) Listen to Playback Hang Up**

To Assign the PBX for the Auto Attendant mode

**Ext 1 Dial: \* # 2 0 0 0 # (beep) Hang Up**

To remove Auto Attendant from the PBX

**Ext 1 Dial: \* # 2 1 0 0 # (beep) Hang Up**

## Internal Calls

Allows you to call another extension

**Dial:** \* **Extension Number 1 - 6**

## Transferring Calls

Allows you to manually or automatically transfer an incoming call to another extension.

To transfer manually:

**Dial:** **Recall / Extension Number**      **Announce Caller**      **If the extension wants to take the call, replace handset.**

**NB:** If the extension does not want to take the call, when they replace their handset the call will revert back to you. If the extension does not answer, press Recall to revert back to the caller.

To transfer automatically:

**Dial:** **Recall (R)**      **Extension Number**      **Replace Handset**

If the extension does not answer within 25 seconds the call will be redirected back to you and your phone will ring.

**NB:** If the extension is engaged, you will be automatically reverted back to the caller. When the call is being transferred the caller will hear "Music on Hold" or a comfort tone.

## Call pick up

If your extension is not programmed to ring on incoming calls this feature allows you to pick up a call ringing on another extension.

**Dial:** # **7**

# Troubleshooting

The factory default settings are as follows:

- Extension 1 to 6 ring on incoming calls
- Call restrictions removed on all extensions
- Auto Attendant (DISA) OFF.

To Reset the System to Factory Default settings

**Ext 1 Dial: \* # 6 0 0 0 # (beep) Hang Up**

No Dial Tone on Extension Handsets...?

- The PBX 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.



Contact Orchid for more assistance

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

[PBX\\_Support@orchid-telecom.com](mailto:PBX_Support@orchid-telecom.com)



# Technical Specification

<b>Capacity:</b>	2 Lines and 6 Extensions
<b>External sockets:</b>	Line and Extensions terminated on RJ11 sockets.
<b>Communication channels:</b>	3
<b>Transmission loss:</b>	Extension to Extension < 1.5 dB Extension to Exchange < 2 dB
<b>Ringling Current:</b>	AC65V/50Hz
<b>Balance about earth:</b>	* 300Hz...600Hz < 40dB * 600Hz...3400Hz < 46dB
<b>Dialling mode:</b>	DTMF
<b>Signalling:</b>	Internal Dial tone 400 Hz continuous Sine wave Internal Busy tone 400 Hz, sine wave, 0.3s on/0.3s off
<b>Caller Display:</b>	Receive; DTMF and FSK (Bell 202) Send; FSK (Bell 202)
<b>Power Supply:</b>	AC230V/12W
<b>Approvals:</b>	CE and RoHS compliant