



VELLUX SERVICE MANUAL (Version 5.0)

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received,

including interference that may cause undesired operation.

Caution:

Any changes or modifications to the equipment not expressly approved by the party responsible for compliance could void user's authority to operate the equipment.

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Product Features

Fig. A, B

Retail Box: 14.3 x 10.0 x 2.5 inch (37.5 x 25.5 x 6.7 cm)

1. S/N: A#####VM2200(A: lot + #####: sequential no + VM2200: model)

Fig. C

Master Transmitter (on the basis of VM2200) : 1.3Kg

- VM1100 : No support Tx, One FND set
- VM1200 : No support Tx, Two FND set
- VM2100 : support Tx, One FND set
- VM2200 : support Tx, Two FND set
- VM5000 : support Tx, No FND set

Fig. D

- 2. Two FND monitor
- 3. Speaker
- 4. AC/DC Adapter, Input: AC100-240V, 50/60Hz, 0.3A, Output: 9V, 1A
- 5. External Antenna

Fig. E

- 6. Antenna inlet holes
- 7. Volume button, level $0\sim3$
- 8. EEPROM port: Reading & Writing of user's setting data form PPS(Product Program Software)
- 9. On/off switch
- 10. Adapter inlet hole

Fig. F

Bell (One button call or Three button call Bell) : 50pcs (1pcs: 25g), 2.5Kg

Fig. G

- 11. VB10W-One calling button with Blue LED flash and WHITE
- 12. VB30G-Three different calling buttons with Blue LED flash and DARK GRAY
- 13. VB11R-One calling button with Blue LED flash and Purplish RED
- 14. VB31S-Three different calling buttons with Blue LED flash and SILVER



Fig. H

15. Dip switch: First 5digit are channel, second 5digit are Bell ID no.

14. S/N: A#####WB10W(A: lot + ######: sequential no + VB10W: model)

Assembly

Fitting Screw the antenna(5) into the antenna holes(6) Insert the plug(4) into the adapter inlet hole(10)

Turning power & setting volume

Open the left cover of the Master Transmitter, turn on the On/off switch(9), set the volume level by pushing button(7).

Programming

Writing user's setting data through the EEPROM(8) by a connector with PPS software(connect PC, MS windows XP ONLY).

Setting

On/Off the dip switch(13) on the back of the BELL ID as same as user's setting data.

Hanging the Master Transmitter on the wall

Fit a screw/ hook in a suitable location on the wall. Make sure that the screw/ hook is fixed by method suitable to the wall type and appropriate to the weight of the Master Transmitter.

Fixing the Table paging on the table

Stick the Table paging on a suitable location on the table with tape.

How to use

Operation

Press the BELL one button(11,13)/three buttons(12,14), BELL No as user's setting data lights in the display with sounds.

Three buttons(12,14) show three different meaning, "Call", "Water" and "Bil", it displays BELL No with dots "." For example press the Call button of BELL

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No. #100, it display "100", press the Water button of BELL No. #100, it display with one dot "10.0", the Bil button displays with two dots "10.0."

Purchaser vellux Director Model Name VM220 Address PPS Version V5.0 Telephone Main Unit Ch. Bell DIP Switch Display Number Pager ID to Pager PPS Default Value Main Unit Ch. Bell DIP Switch Display Number Pager ID to Pager PPS Rx Frequency 0 1 31 100 130 1 0400008 219.15000 A 1 1 31 200 230 2 0400016 Pager PPS 219.20000 B 0 1 31 300 330 4 0400032 Pager PPS 219.20000 B 0 0 0 0 0 0 0 0 219.20000 B 0 0 0 0 0 0 0 0 219.20000 B 0 0 0 0 0 0 0 0 1200 bps E <th>Purchaser vellux Director Model Name VM2200 Address PPS Version V5.0 Telephone Main Unit Ch. Bell DIP Switch Display Number Pager ID to Pager PPS Default Value Main Unit Ch. Bell DIP Switch Display Number Pager ID to Pager PPS Rx Frequency A 0 1 31 100 130 1 0400008 Pager PPS 219.15000 A 1 1 31 200 230 2 0400016 Pager PPS 219.20000 B I I 31 300 330 4 0400032 Pager BPS D I</th> <th>ile(E) Port(P) T</th> <th>ools(T) Model(M</th> <th>D Heln(</th> <th>H)</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	Purchaser vellux Director Model Name VM2200 Address PPS Version V5.0 Telephone Main Unit Ch. Bell DIP Switch Display Number Pager ID to Pager PPS Default Value Main Unit Ch. Bell DIP Switch Display Number Pager ID to Pager PPS Rx Frequency A 0 1 31 100 130 1 0400008 Pager PPS 219.15000 A 1 1 31 200 230 2 0400016 Pager PPS 219.20000 B I I 31 300 330 4 0400032 Pager BPS D I	ile(E) Port(P) T	ools(T) Model(M	D Heln(H)								
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		Group Call ID	_	, 							i —		
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Care Guide

Setting zoning

Master Tran	ismi	itter	Frequ		Display time		No.			Pager Capcode			
You can choose A to H, it	A	•	Now available domestic market	RX 219.1500MH 🔻						Group	0100008		
means normally eight(8) Master			frequency : 219.1500/219.2000					The pager has at least o	ne capcode,	1	0400008		
Transmitter can 1se together at			MHz. We are developing exports	TX		The display		normally the pager has 7 capcode. We support t		2	0400016		
one site. Additional			frequency: 433MHz as ISM band.	219.2000MH		number will flash on 20seconds in		capcode, it is possible to cl The group means at least		2	2		
Master Fransmitter			Table Pagi	ng Speed		the Master Transmitte		have the same capcode, t receive the same display n		48	0400384		
may need under the			The optimum speed is 1200bps, we can					time.		49	0400392		
environment condition.			develop under site environment.							50	0400400		
Chann	nel			Table N	lo.			Disp	lay No.		# Paging Receiver		
The Table Paging's channel	1	•		1	•	15	•	Each table has an unique 3 digit number to	if 100 write down	114 created automatically		1	-
an set zero(0) o twenty	1	•	Table no. means how many table are	16	•	31	•	recognize, the numbers will be displayed in the	if 200 write down	215 created automatically	The display numbers will be displayed in the Paging Receiver. Each	2	•
three(23), each one(1) channel connects thirty one(31) table	2		holding in your area, velkux is providing #1 to #744 tables by one Master	2		~		Master Transmitter. Each table number and display number should be in one- to-one ratio. Write	2	2	display number and each Paging Receiver should be in one-to-one/one-		~
no, therefore 70u can create	23	•	Transmitter.	1		1	•	down the unique display number, then the last display number is created i by sequentially.	if lwrite down	l created automatically	그 아파는 한 것은 것은 것은 것은 것을 다 아파 같이 같다.	50	•
#1 to #744 table no.	24	-		1		31	•		if 969 write down	999 created automatically	-can group paging.		-



- *VM1100, VM1200 systems can set Channel, BELL No(=Table no.) and Display no., Paging Receiver is not applied.
- *VM2100, VM2200 systems can set Channel, BELL No(=Table no.), Display no. and Paging Receiver.
- *VM5000 system can set Channel, BELL No(=Table no.), Display no. on the Pager LCD and Paging Receiver.
- *VBR-100, BELL Sub-Repeater can set Channel and BELL No(=Table no.), Display no. and Paging Receiver are not applied.
- *User can dissuade same BELL No(=table no.) from paging while set a time limit.

Setting Dip switch



Channel setting value: Zero (0) to Twenty three (23)



Bell No. setting value: One (1) to Thirty one (31)





- Maximum Channel Number Per Master Transmitter : 0~23 = 24 channel supporting.
- Maximum BELL Number Per Channel : 1~31=31 Bell supporting
- AND, Maximum Bell Number Per Master Transmitter : 24channel X 31 Bell = 744 BELL

Specifications;

Model	Vellux Main TX	Vellux Main RX	Vellux Bell	VBP-3/VHP-3(Pager)			
Frequency(MHz)	2	.790MHz					
Freq Stability	±7 ppm						
Data Rate			1200 bps				
Channel space			2)25 KHz				
Modulation			± 4.5KHz				
Output Power			10 mW(Max)				
Sensitivity		-118dBm (at 1	2dB)	-7 uV/m			
Power Supply	9V 1A(A	dapter)	12V 30mA (A23 1ea)	1.5V (AAA 1ea)			
Dimension(mm)	340L*155	5H*48W	60PI*21W	43L*64H*20W			
Low Battery Alert		N/A		Yes			
			Max. 8000times				
Battery Life cycle	External	Power	(10times per day)	Max. 30 days			
			2years guarantee				
Antenna	Exte	rnal	Internal				