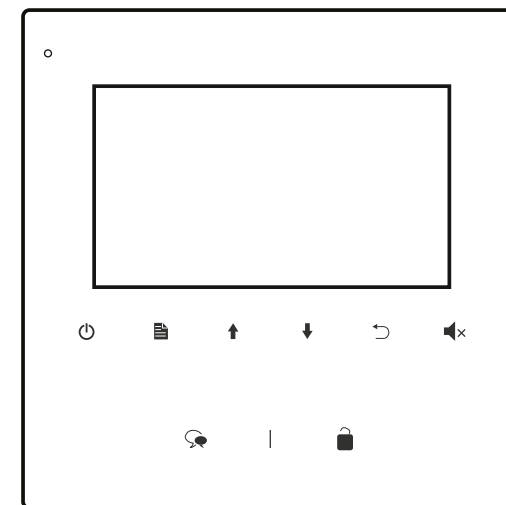


Vidos

duc

2 wire system video door intercom



M1022

4" VIDEO HANDS-FREE COLOR TFT MONITOR

Vidos
friendly technology

Firma Handlowa Wena
Al. Jerozolimskie 311
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e-mail: biuro@vidos.pl
www.vidos.pl

INTRODUCTION

Before you start to assemble and use the device, please read this user's manual carefully. In case of any problems with understanding its contents, please contact your seller of the device. You can install and commission the device yourself if you have the basic knowledge of electronics and use appropriate tools. It is recommended to install the device by the qualified personnel. The manufacturer is not liable for damages which may result from your incorrect installation or operation of the device or from making repairs and modifications on your own.

CHARACTERISTICS OF THE SYSTEM

VIDOS is a state-of-the-art solution characterised by its exceptional ease of configuration and installation. The system operation is based on the simplicity of connection through 2 non-polarity wires only. It can be extended with additional options by using dedicated modules, which are also connected with 2 wires. Thanks to the application of the proven signal modulation techniques, transmitted video and sound stand out with their very good quality at every point of your installation.

BASIC FEATURES OF THE VIDOS DUO SYSTEM:

- Up to 4 door stations can be connected
- Maximum 32 places in the system at its basic configuration
- Addressed intercom in-between monitors
- 1 power supply for the whole system
- 2 wire connections (non-polarised) between each point within the entire system
- CCTV camera application feature (4 CCTV cameras as standard)
- GSM module as an optional solution to receive calls on the telephone
- Distance from a door station to the furthest monitor - 150 m; this range can be extended up to 300 m when using the module M-3F
- Lighting control feature

CHARACTERISTICS OF THE MONITOR

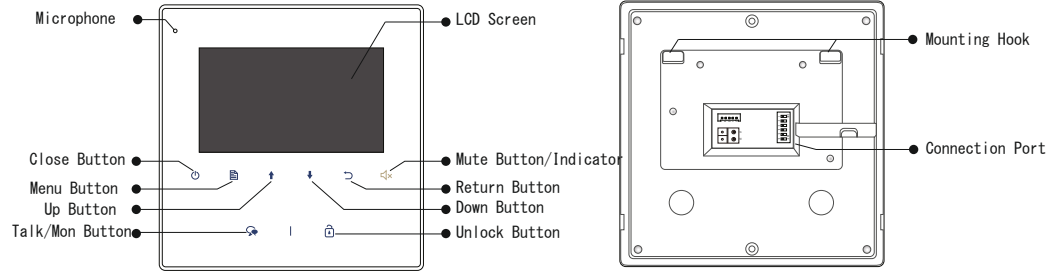
The M1022 monitor is designed for a dual-wire digital system. It is equipped with a 4" TFT LCD. The monitor can operate in one- or multi-user system. It works well with all door stations within the dual-wire system. The monitor is provided with features to control 2 relays.

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1. Parts and Functions



Terminal Description

SW+, SW-: Door bell call button connection port.

Ring, GND: Extra buzzer connection port.

NC: Reserved.

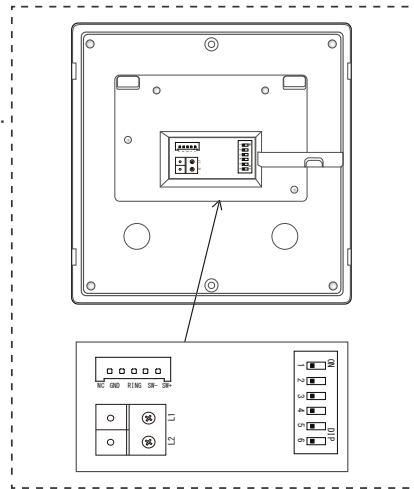
L1, L2: Bus terminal.

DIP switches: Total 6 bits can be configured.

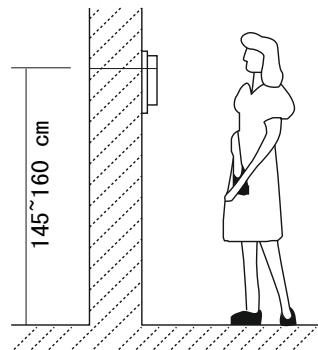
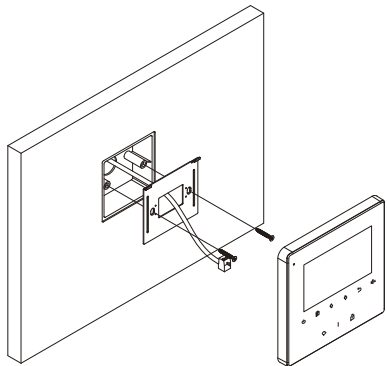
Bit1~Bit5: Used to User Code setting.

Bit6: Set to ON if the monitor is at the end of the line or works with M-SM4.

Otherwise, set to OFF.



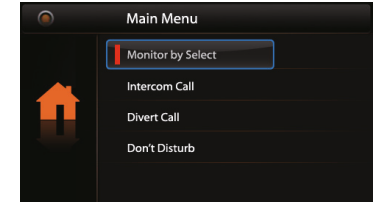
2. Monitor Mounting



1. Use the screws to fix the Mounting Bracket on the mounting box. (fitting accessories includes a Bracket (Two pieces of 4X25 screws are needed for fastening the Mounting Bracket), Special 2 wire connectors to connect with Monitor)
2. Wire the system correctly (see the later connection chapter) then hang the Monitor on the Mounting Bracket firmly.

3. Main Menu

Press Menu / Close button, in standby mode, the main menu page will be shown as follows:



4. Basic Door Release Operation

1. Press CALL button on outdoor station, the Monitor rings, meanwhile, the screen displays the visitors' image.
2. Press Talk/Mon Button on monitor, you can communicate hands free with the visitor for 90 seconds. After finishing communication, press Talk/Mon button again (or press Close Button) to end the communication. If nobody answers the phone, the screen will be turned off automatically after 40 seconds.
3. During talking state, Press Unlock Button to release the first door.
4. When the monitor is in standby mode, press Talk/Mon Button (or select Monitor By Select button on main menu, press Menu Button to confirm, and then it will enter the select a camera page, then you can use Up/Down Button to select the camera you want), the screen can display the view of outside.



5. Intercom Function

When the monitor is in standby mode, press Menu Button to enter main menu page. Use / Button to move upward / downward to select Intercom Call item, press Menu Button to enter the select intercom page, you have 3 items to select.

1. Namelist Call- addressed intercom

This type of connection can be made in-between monitors at one house or at individual places within one building system.

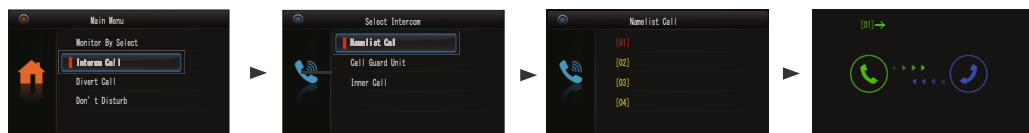
- You can install up to 13 indoor units at one house (only 1- and 2-user systems). When addressing them in the range of 00-12 (single-user system) and 16-28 (double-user system), you can make connections in-between the selected monitors. You can also make an external connection to any other place if you know the address of its monitor installed there.
- In a building system, each unit is assigned its own individual address, which is set on monitors. Making use of the list available in the monitor, you can establish a connection with any place you want knowing the address of its monitor. In this configuration, it is not possible to make an addressed connection within one user.

IMPORTANT! To connect to the monitors in this way, all of them must set to different addresses

Use / Button to select a name on the screen then press Menu Button to call.

Note:

1. Press "MENU" button again to redial.
2. The DIP switches code of the monitors are not the same.)



Use / button to select Intercom Call item, then press Menu button to confirm.

Use / Button to select Namelist Call item, then press Menu button to confirm.

Use / Button to select the item you want, then press Menu button to call.

Calling.

2. Inner Cal - Non addressed intercom

Internal non-addressed intercom (systems for up to 4 internal units and multi-user systems) In order to make such a connection, you need to set the same address on all your monitors and uniphones. 4 is the maximum number of internal units for this type of connection.

In addition, you have to specify their operation:

First monitor - MASTER => further 3 - SLAVE1 / SLAVE2 / SLAVE3

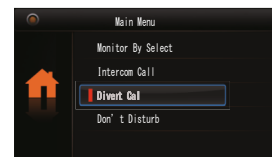
The connection is made to all of them at the same time. When you receive a call, all other monitors will be switched off. If no call is made within 30 seconds, the connection will be terminated automatically.

IMPORTANT! To connect with the monitors in this way, all of them must be set to the same address.

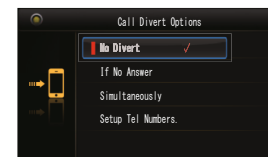
3. Call Guard unit A Monitor can be assigned as Guard Unit Monitor; when the Guard Unit Monitor answers the call, conversation with the guard person is started.

6. Divert Call Function

When the monitor is in standby mode, press Menu Button to enter main menu page. Use / Button to move upward / downward to select Divert Call item, press Menu Button to enter the call divert options page, you have 4 items to select.



Use / button to select Divert Call item, then press Menu button to confirm.

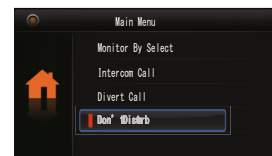


Use / Button to select the item you want, then press Menu button to confirm.

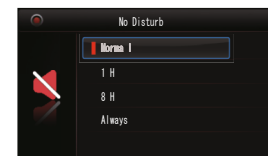
1. No Divert ----calls from outdoor station will not be diverted.
2. If No Answer ----Calls from outdoor station without respond in 30 seconds will be transfer to the number you set. Even though the monitor will shut off when transfer to TPC/GSM/TPS, you still available to operate it (such as monitor, talk, and unlock).
3. Simultaneously ----Calls from outdoor station will be diverted to your telephone immediately. At this mode, the monitor won't shut off when TPC/GSM/TPS divert successfully, but if the monitor answers the call at this time, TPC/GSM/TPS will quit absolutely.
4. Setup Tel Numbers. ----Select this item to edit the divert numbers you want.

7. Don't Disturb Function

When the monitor is in standby mode, press Menu Button to enter main menu page. Use / Button to move upward / downward to select Don't Disturb item, press Menu Button (or press Mute Button/Indicator directly) to enter the no disturb page, you have 4 items to select.







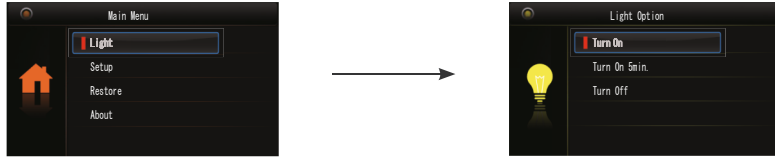
Use / button to select Don't Disturb item, then press Menu button to confirm.









Use / Button to select the item you want, then press Menu button to confirm.

8. Light Function

When the monitor is in standby mode, press  Menu Button to enter main menu page. Use  /  Button to move upward / downward to select Light item, press  Menu Button to enter the light Option page, you have 3 items to select.







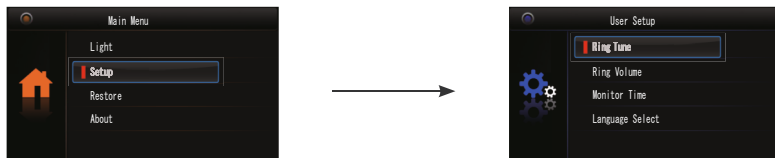
Use  /  button to select Light item, then press  Menu button to confirm.




Use  /  Button to select the item you want, then press  Menu button to confirm.




1. Turn On : Select it to open the staircase light, the staircase light will be turned off automatically after 60 seconds.
 2. Turn On 5min : Select it to open the staircase light, the staircase light will be turned off automatically after 5min.
 3. Turn Off : Select it to close the staircase light.
- Note: the staircase light function will be activated only when the system connect light via B5 module, otherwise, this function is invalid in normal. For more information, please refer to B5 user instruction in detail.

9. Setup Function

When the monitor is in standby mode, press  Menu Button to enter main menu page. Use  /  Button to move upward / downward to select Setup item, press  Menu Button to enter the user setup page, you have 4 items to select.








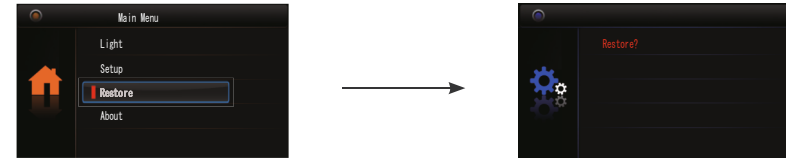
Use  /  button to select Setup item, then press  Menu button to confirm.




Use  /  Button to select the item you want, then press  Menu button to confirm.


1. Ring Tune : Select it to set the tune of Door Station, Intercom and Door Bell.
2. Ring Volume : Select it to set the volume of monitor.
3. Monitor Time : Select it to set monitor time.
4. Language Select : Select it to set the language.

10. Restore to Default

When the monitor is in standby mode, press  Menu Button to enter main menu page. Use  /  Button to move upward / downward to select Restore item, press  Menu Button to enter the restore page, and then press  Menu Button to confirm.

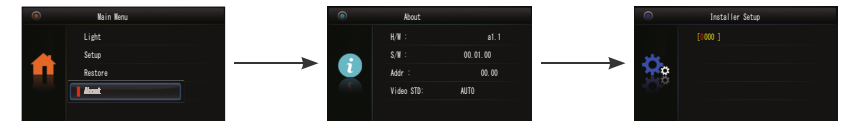





Use  /  button to select Restore item, then press  Menu button to confirm.


Press  Menu button to confirm.




11. Monitor Parameter Setting

11.1 How to enter the installation setting page



Use  /  button to select About item, then press  Menu button to confirm.

Press  Unlock button and hold for 3s.

Use  /  button to increase/decrease the value you want, and press  Menu button to confirm.

11.2 The setting items are as followings

| | |
|------------------------------|-----------------------------------|
| [8000]:Master 0 | [8001]~[8003]:Slaver 1~3 |
| [8004]:Guard unit | [8005]:Not guard unit |
| [8006]:Panel on as slaver ca | [8007]:Panel off as slaver called |
| [8014]:Unlock menu on | [8015]:Unlock menu off |

11.3 How to set the monitor as a Guard Monitor

A Monitor can be assigned as Guard Unit Monitor; when the Guard Unit Monitor answers the call, conversation with the guard person is started. The code number of 8004 is used to set the monitor as a guard unit monitor and 8005 is used to cancel this function.

11.4 How to set the slave monitor address

Maximum 4 monitors can be connected in one apartment, one master monitor together with 3 slave monitors, so you should set the addresses correctly. (note: must have one monitor to be set as master monitor)

The code of 8000 is used to set the master monitor.

The code of 8001 is used to set the first slave monitor.

The code of 8002 is used to set the second slave monitor.

The code of 8003 is used to set the third slave monitor.

11.5 How to set the monitor panel on

In default mode, when receive a calling, the master and slave monitors will ring at the same time, and just the master monitor can display the image while the slave monitors can not. But the settings can be changed, you can set the master monitor and all the slave monitors to panel on at the same time when receiving a call, just input the code number of 8006 on each slave monitor.



11.6 How to set the unlock parameter

Unlock mode:

There are two unlock modes:

1. power-on-to-unlock type: unlock mode=0 (by default)
2. power-off-to-unlock type: unlock mode=1.

The code number of 8010 is used to set the unlock mode to 0

The code number of 8011 is used to set the unlock mode to 1

Unlock time:

The unlock time can be changed by yourself at any time. it can be set from 1 to 9 seconds.

The code number from 8021 to 8029 are used to set the unlock time to 1~9 seconds.

11.7 User Code Setup

In the building system, you can configure up to 32 apartments in the basic version

Each apartment must have a individual address from 00-31 and this address should be set on monitors or uniphones. If there is more than one monitor in one apartment, all monitors or uniphones have the same address. Set the first monitor in the MASTER, the remaining monitors in the SLAVE1/2/3.

In willa system, you can install up to 13 indoor devices in the one house. By addressing them as described below, you will get the function of an addressed intercom between selected monitors in the system. You can also connect to monitors in the second house if you know their address

One house: 00-12 (the first monitor must have the address 00)

Two house: 00-12 for first house (the first monitor must have address 0)
16-28 for the second house (the first monitor must have the address 16)

The DIP switches are used to configure the User Code for each Monitor.

Bit-1 to Bit-5 are used to User Code setting.

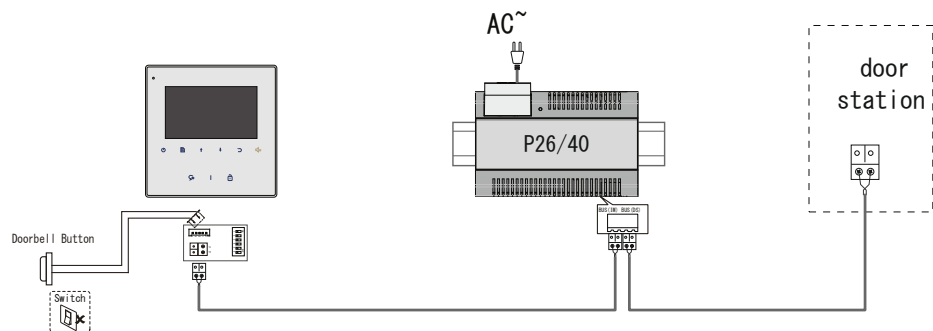
Bit-6 is line terminal switch, which have to be set to ON if the Monitor is in the end of the line (bus), otherwise set to OFF. The end of the line is terminal that no other section will start from it.

Bit-6
line terminal setting





| Bit state | Setting | Bit state | Setting |
|-----------|-------------------------------------|-----------|---------------------------------|
| | Monitor not at the end of the line. | | Monitor at the end of the line. |

| Bit state | User Code | Bit state | User Code | Bit state | User Code |
|-----------|-----------|-----------|-----------|-----------|-----------|
| | Code=1 | | Code=12 | | Code=23 |
| | Code=2 | | Code=13 | | Code=24 |
| | Code=3 | | Code=14 | | Code=25 |
| | Code=4 | | Code=15 | | Code=26 |
| | Code=5 | | Code=16 | | Code=27 |
| | Code=6 | | Code=17 | | Code=28 |
| | Code=7 | | Code=18 | | Code=29 |
| | Code=8 | | Code=19 | | Code=30 |
| | Code=9 | | Code=20 | | Code=31 |
| | Code=10 | | Code=21 | | Code=32 |
| | Code=11 | | Code=22 | | |

12. Basic Connection



13. Screen and Volume Adjustment

During monitoring or talking, press  Menu Button, the *ADJUST MENU* will be displayed. Use  Menu Button to select the adjustment item; use  Button to decrease/increase the value, press  Return Button to quit the adjust page

1. Total 4 screen modes can be selected in sequence:
Contrast, Bright, Color and Volume.
2. The *Bright* and *Color* item is for the image quality setting, adjust the value to get the best image you like.
3. The *Volume* items are ring tone and talking volume adjustment.



14. Specifications

| | |
|----------------------|-----------------------------|
| Power supply: | DC 20-28V |
| Power consumption: | Standby 0.17W; Working 4.7W |
| Communication: | Hands-free |
| Screen: | 4 Inch digital color TFT |
| Display Resolutions: | 480*3(R, G, B) x 272 pixels |
| Video signal: | 1Vp-p, 75Ω, CCIR standard |
| Mounting: | Surface wall-mount |
| Color: | White, Black |
| Wiring: | 2 wires, non-polarity |
| Dimension: | 137(H) x 137(W) x 17(D)mm |
| Working temperature | 0 ° C ~+40 ° C |
| Available colours | black/white |

WARRANTY CARD

Product name:

4" VIDEO HANDS-FREE COLOR TFT MONITOR

M1022B

M1022W

.....
Date of sale

Seller's seal and signature

1. Wena Company shall grant a warranty for the purchase of your product for a period of 24 months from the date of its purchase as shown on the present Warranty Card and the purchase document.
2. Product defects found during the warranty period shall be repaired free of charge within 21 working days from the date of acceptance of your product at the service centre.
3. The user has the right to replace the product with a new one if;
 - > four major repairs have been conducted during the warranty period and the product is still defective;
 - > when it is established that an unrecoverable defect has occurred. When replacing the product with a new one, the equivalent of items (including packaging) which are missing or damaged by the user as well as the cost of their replacement shall be deducted.
4. The user shall deliver the defective product at its own expense to the service centre.
5. The warranty shall not cover the deterioration of the product quality caused by standard wear and tear and in the following cases:
 - > the product has been used improperly or inconsistently with the product operating instructions;
 - > the product has been used or left in improper conditions (excessive humidity, too high or low temperature, sunlight, etc.), maintenance and operational condition which are different from the ones specified in the product operating instructions;
 - > mechanical, chemical and thermal damage;
 - > damage caused by external forces, e.g. overvoltage in the electrical network, atmospheric discharges, flood, fire;
 - > damage resulting from improper installation, improper storage of the device or repairs conducted by any unauthorised persons;
 - > damage due to incorrect voltage connection.
6. The guarantee shall cease to be valid as a result:
 - > breakage or damage of warranty seals;
 - > connection of additional equipment, other equipment than the one recommended by the product manufacturer;
 - > modifications and structural changes to the product and repairs conducted beyond the Wena service centre;
 - > the Guarantee Card or serial number have been changed, blurred or obliterated.
7. The Guarantee Card shall be valid only with the entered date of sale confirmed by the seller's seal and signature.
8. The condition to perform repair works is to deliver the Product with the Warranty Card and the proof of purchase.
9. Service Centre:
Firma Handlowa Wena
Al. Jerozolimskie 311 ,
05 - 816 Reguły / near Warsaw
Poland
tel. +48 228 370 286; +48 228 174 003
e-mail: biuro@vidos.pl
www.vidos.pl