



PUBLIC ADDRESS SYSTEM

OPERATION MANUAL

T-218 PAGING MIC CONSOLE



Please follow the instructions in this manual to obtain the optimum results from this unit. We also recommend that you keep this manual handy for future reference.

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1. SAFETY PRECAUTIONS

- Be sure to read the instructions in this section carefully before use.
- Make sure to observe the instructions in this manual as the conventions of safety symbols and messages regarded as very important precautions are included.
- We also recommend you keep this instruction manual handy for future reference.

Safety Symbol and Message Conventions

Safety symbols and messages described below are used in this manual to prevent bodily injury and property damage which could result from mishandling. Before operating your product, read this manual first and understand the safety symbols and messages so you are thoroughly aware of the potential safety



WARNING

Indicates a potentially hazardous situation which, if mishandled, could result in death or serious personal injury.



CAUTION

Indicates a potentially hazardous situation which, if mishandled, could result in moderate or minor personal injury, and/or property damage.



WARNING

When Installing the Unit

- Do not expose the unit to rain or an environment where it may be splashed by water or other liquids, as doing so may result in fire or electric shock.
- Use the unit only with the voltage specified on the unit. Using a voltage higher than that which is specified may result in fire or electric shock.
- Do not cut, kink, otherwise damage nor modify the power supply cord. In addition, avoid using the power cord in close proximity to heaters, and never place heavy objects -- including the unit itself -- on the power cord, as doing so may result in fire or electric shock.
- Be sure to replace the unit's terminal cover after connection completion. Because high voltage is applied to the speaker terminals, never touch these terminals to avoid electric shock.
- Be sure to ground to the safety ground (earth) terminal to avoid electric shock. Never ground to a gas pipe as a catastrophic disaster may result.
- Avoid installing or mounting the unit in unstable locations, such as on a rickety table or a slanted surface. Doing so may result in the unit falling down, causing personal injury and/or property damage.

When the Unit is in Use

- Should the following irregularity be found during use, immediately switch off the power, disconnect the power supply plug from the AC outlet and contact your nearest **ITC** dealer. Make no further attempt to operate the unit in this condition as this may cause fire or electric shock.
 - If you detect smoke or a strange smell coming from the unit.
 - If water or any metallic object gets into the unit
 - If the unit falls, or the unit case breaks
 - If the power supply cord is damaged (exposure of the core, disconnection, etc.)
 - If it is malfunctioning (no tone sounds.)
- To prevent a fire or electric shock, never open nor remove the unit case as there are high voltage components inside the unit. Refer all servicing to your nearest **ITC** dealer.
- Do not place cups, bowls, or other containers of liquid or metallic objects on top of the unit. If they accidentally spill into the unit, this may cause a fire or electric shock.
- Do not insert nor drop metallic objects or flammable materials in the ventilation slots of the unit's cover, as this may result in fire or electric shock.

1. SAFETY PRECAUTIONS

CAUTION

When Installing the Unit

- Never plug in nor remove the power supply plug with wet hands, as doing so may cause electric shock.
- When unplugging the power supply cord, be sure to grasp the power supply plug; never pull on the cord itself. Operating the unit with a damaged power supply cord may cause a fire or electric shock.
- When moving the unit, be sure to remove its power supply cord from the wall outlet. Moving the unit with the power cord connected to the outlet may cause damage to the power cord, resulting in fire or electric shock. When removing the power cord, be sure to hold its plug to pull.
- Do not block the ventilation slots in the unit's cover. Doing so may cause heat to build up inside the unit and result in fire.
- Avoid installing the unit in humid or dusty locations, in locations exposed to the direct sunlight, near the heaters, or in locations generating sooty smoke or steam as doing otherwise may result in fire or electric shock.

When the Unit is in Use

- Do not place heavy objects on the unit as this may cause it to fall or break which may result in personal injury and/or property damage. In addition, the object itself may fall off and cause injury and/or damage.
- Make sure that the volume control is set to minimum position before power is switched on. Loud noise produced at high volume when power is switched on can impair hearing.
- Do not operate the unit for an extended period of time with the sound distorting. This is an indication of a malfunction, which in turn can cause heat to generate and result in a fire.
- Contact your ITC dealer as to the cleaning. If dust is allowed to accumulate in the unit over a long period of time, a fire or damage to the unit may result.
- If dust accumulates on the power supply plug or in the wall AC outlet, a fire may result. Clean it periodically. In addition, insert the plug in the wall outlet securely.
- Switch off the power, and unplug the power supply plug from the AC outlet for safety purposes when cleaning or leaving the unit unused for 10 days or more. Doing otherwise may cause a fire or electric shock.

An all-pole mains switch with a contact separation of at least 3 mm in each pole shall be incorporated in the electrical installation of the building.

2. GENERAL DESCRIPTION

The T-218 is a high performance paging microphone console that works with mixer pre-amplifier(T-6201) and 10-zone speaker selector (T-6212) for emergency notification and remote paging applications. Features include capability of extension of up to 16 MICS and 160 paging zones, working with 10-zone paging selector. One audio input and one MIC output. Mute function and built-in chime.

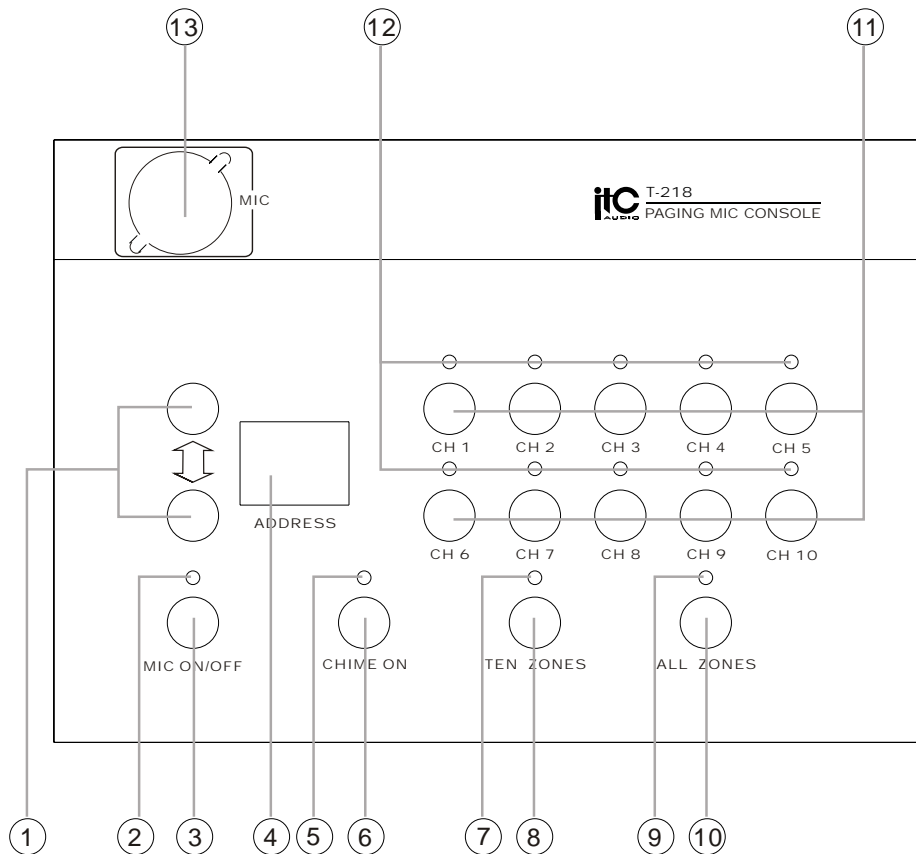
The simple configuration of 10 zones paging system is T-6212 10 zone paging selector works with T-6202 10 zone speaker selector and T-218 remote paging MIC. The max is 160 zones of 16 remote paging MIC T-218 and 16 10 zone paging selector T-6212.

3. FEATURES

- All/ten zones.
- 1 LINE output , 1 LINE input.
- Chime & MIC function.
- Remote-control available.

4. NOMENCLATURE AND FUNCTIONS

4.1 FRONT PANEL



1. UP/DOWN

Up select button/Down select button

2. MIC ON/OFF

MIC switch indicator

3. MIC ON/OFF

MIC switch button

4. ADDRESS

LED screen

5. CHIME ON

Chime state indicator

6. CHIME ON

Chime triggering button

7. TEN ZONES

Ten zones switch indicator

8. TEN ZONES

Ten zones switch button

9. ALL ZONES

All zones switch indicator

10. TEN ZONES

All zones switch button

11.(CH1-CH10)

Zone switch button

12.(CH1-CH10)

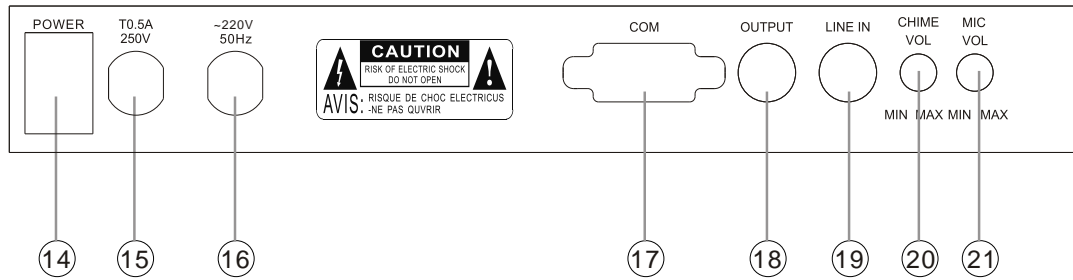
Zone switch indicator

13.MIC

MIC balance input

NOMENCLATURE AND FUNCTIONS

4.2 REAR PANEL



14.POWER SWITCH

On top of the opening Power
Press the end, power shut down

15.AC FUSE

16.~220V±/50Hz AC POWER INPUT

17.COM

Remote jack

18.OUTPUT

Line output, Non-equilibrium type, the output of all input signals.

19.LINE IN

Line Balanced inputs

20.CHIME VOL

Chime volume control

21.MIC VOL

MIC volume control

5. OPERATION

5.1 USAGE WAYS

It will show two deuces plug two digit numbers when start the machine.



after two deuces die in 1.5 seconds, it shows one digit number, it is the zone address code.



Press up and down button to select the number.

1 ZONE BROADCAST

when select **1**, press the console 1-10 zone to call 1-10 zone.

when select **2**, press the console 1-6 zone to call 11-16 zone, at the time, console's 7-10 zone button can not use.

⚠ Attention: 7-10 zone button can not use.

2 ALL ZONE BROADCAST

No Matter show 1 or 2, press the all zone button, means 16 zones of the intelligent control center can broadcast on/off.

5.2 ADDRESS CODE SETTING

Press all zone button for a while, then start the machine, it will show as below



At the time, press 1-10 zone button, then it can show the setting address code as per order, the before time number as the ten digit of the address code, the input number as the first digit of the address code. Press the all zone button to confirm the input address code.

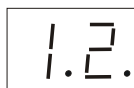
ATTENTIONS: Address code range as 1-16, if wrong input, take the last time button number as the standard.

Such as:

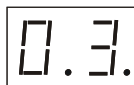
Press No.1 zone button, show



Press No.2 zone button, show



Press No.3 zone button, show



5.3 BROADCAST MUSIC PLAY

When zone is turned on, line input music will be sent out automatically.

Press chime button, build-in chime will be sent out automatically.

Press MIC button, start the MIC, then it can broadcast by MIC.

ATTENTIONS:

1 When chime or MIC is turned on, wire input music will be mute automatically.

2 When play music, it needs to turn on the Chime and MIC, then music can be sent out.

5.4 STATE LIGHT

1 MIC STATE LIGHT

Light: means MIC is on

Die: means MIC is off

2 CHIME STATE LIGHT

LIGHT: it means Chime music is sending out

Die: it means Chime music is stopped

3 ZONE STATE LIGHT

Light: it means the zone is off

Die: it means the zone is on

Slowly (interval 0.5seconds) flash: it means the current operation is invalid, the called unit is not exist, or wrong connection of the control wire.

code consoles processing the on or off operation to the zone.

Quickly (interval 0.5seconds) flash: it will eliminate all the current states. After press the button, the light flash, means the current operation is invalid, the called unit is on the busy state, such as:

The other unit is on the broadcasting, or the local broadcast, or on the warning state.

Flash very fast when broadcast, means the called unit has the priority state broadcast insert.

4 TEN ZONES STATE LIGHT

If the current ten zones are on, ten zones state light will light automatically, or it will die automatically.

When ten zones state light is lighted, press the button means turn off the current ten zones, or it means turn on the current ten zones.

5 ALL ZONE STATE

If all zones are on, all zone light will light automatically, or it will die automatically.

5.5 OPERATION ATTENTIONS

1 Console build-in MPU, turn on/off the internal time should at least 10 seconds.

2 When connect different unit with Console MIC, please restart the machine, or it can't work.

3 When the console connect with the intelligent controller, then start them, if there is fault for the connection, or the controller has no power, the console will change to the state that connect with the paging selector automatically.

4 When the console connect with the intelligent controller, only the same address code console can process the synchronous broadcast to the intelligent controller, different address code console turn on the broadcast, the unit will indicate, the broadcast is busy.





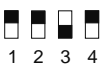



5 Only the console connect with the intelligent controller, the console address code is useful.









5. OPERATION

5.6 WIRING CONNECTION ATTENTIONS

- 1 Net wire should adopt STP, RJ45 plug must use the shielded plug.
- 2 Net wire two layout shields must connect with metal shield of the D type Nine Needle Plug.
- 3 The last two pins of the first row in terminal plug of the console must connect with the short circuit, or it can not normal work.

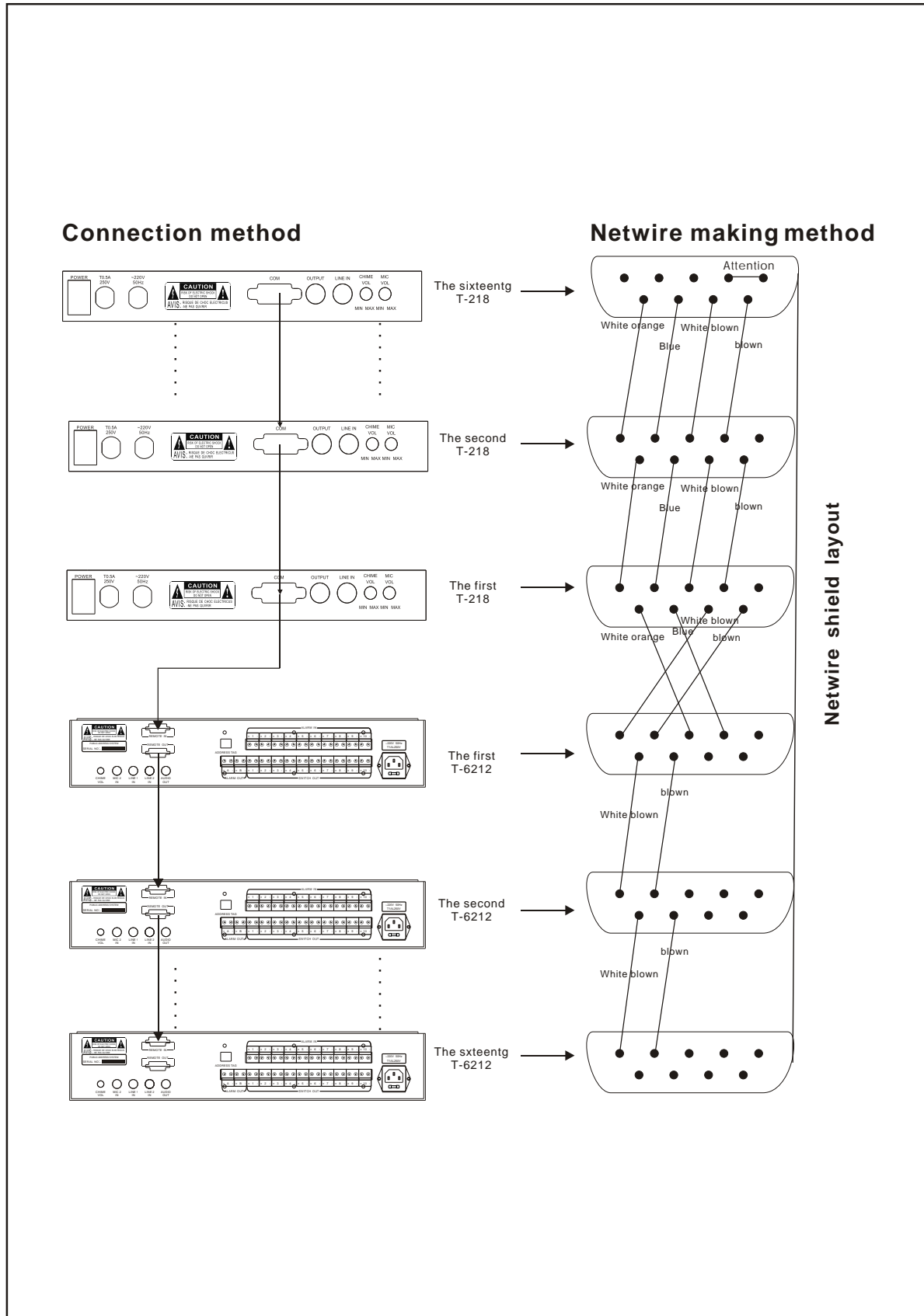
5.7 PAGING SELECTOR ADDRESS CODE SETTING

Address code drawing	Definition
	The first from 1~10
	The second from 11~20
	The third from 21~30
	The fourth from 31~40
	The fifth from 41~50
	The sixth from 51~60
	The seventh from 61~70
	The Eighth from 71~80

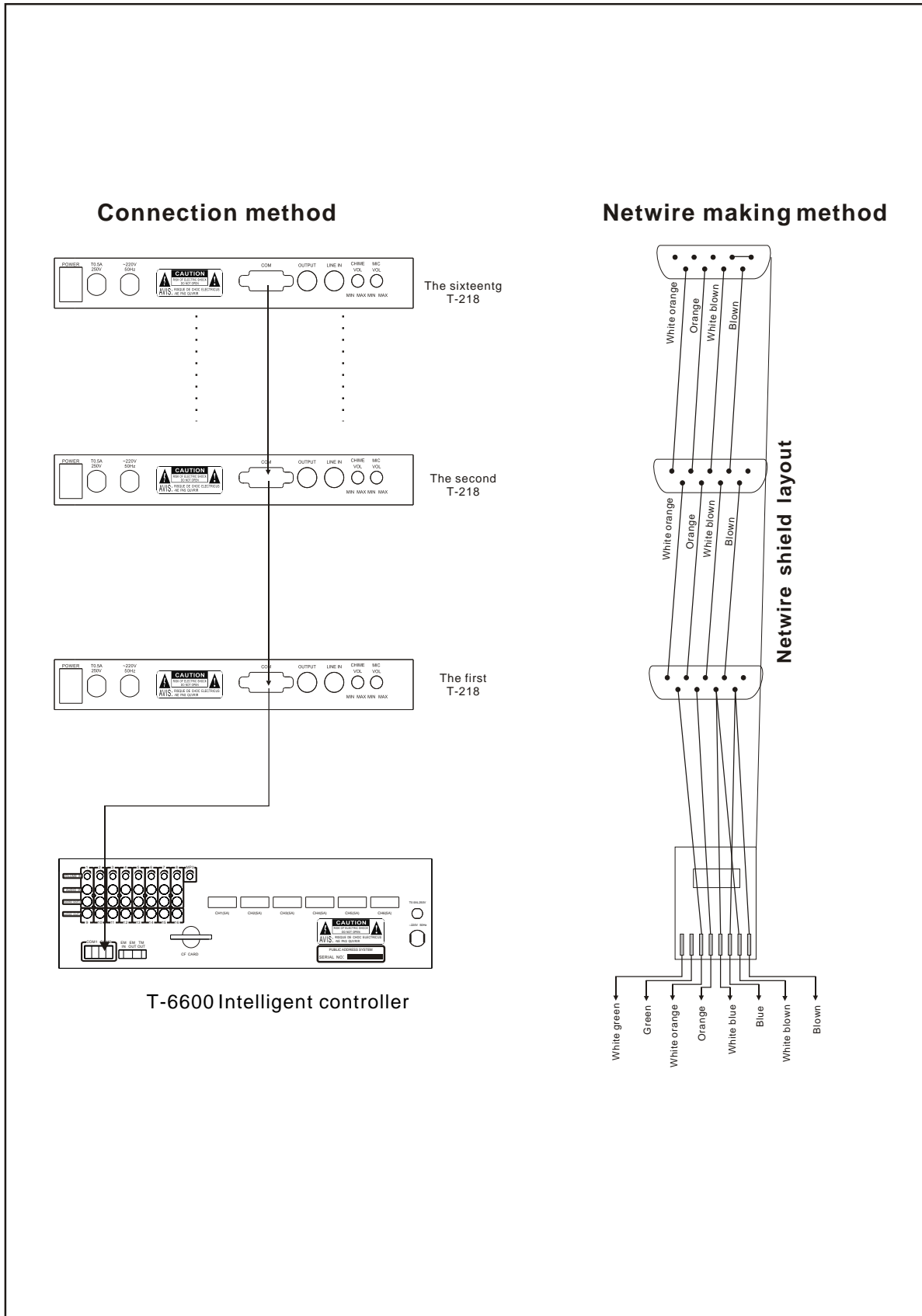
Address code drawing	Definition
	The ninth from 81~90
	The tenth from 91~100
	The eleventh from 101~110
	The twelve from 111~120
	The thirteenth from 121~130
	The fourteenth from 131~140
	The fifteenth from 141~150
	The sixteenth from 151~160

6. APPLICATIONS

REAR PANEL CONNECTIONS(1)



REAR PANEL CONNECTIONS(2)

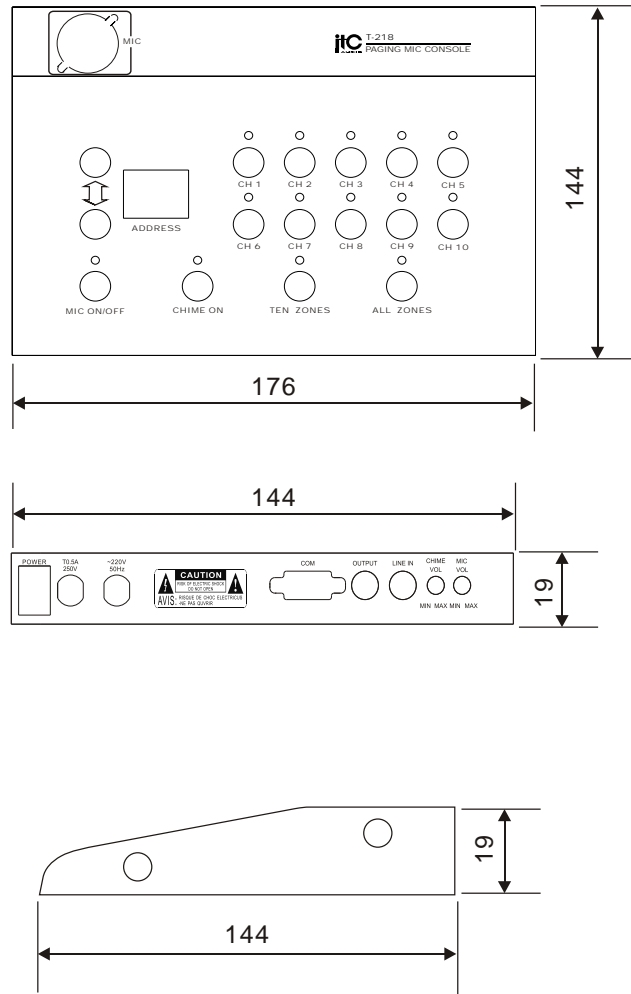


7.SPECIFICATIONS

PAGING MIC CONSOLE	
MODEL	T-218
INPUT	MIC : 600 Ohms,10mV,Unbalanced LINE : 10KOhms, 400mV,Unbalanced
OUTPUT	Balanced
FREQUENCY RESPONSE	MIC:100Hz~15KHz;LINE: 20Hz~18KHz
CROSSTALK	MIC input : 80dB;Line input: 90dB
CONTROLS	Chime MIC vol controls,160 channel selectors, Chime button, powe switch
INDICATORS	Power LED,10 paging channel LEDs
PROTECTION	AC fuse, 1A
POWER REQUIREMENTS	110-120AC or 230-240V AC 50/60Hz 24DC (optional)
POWER CONSUMPTION	10W
DIMENSION(mm)	484X360X88
NET WEIGHT	2.2Kg
GROSS WEIGHT	2.6Kg

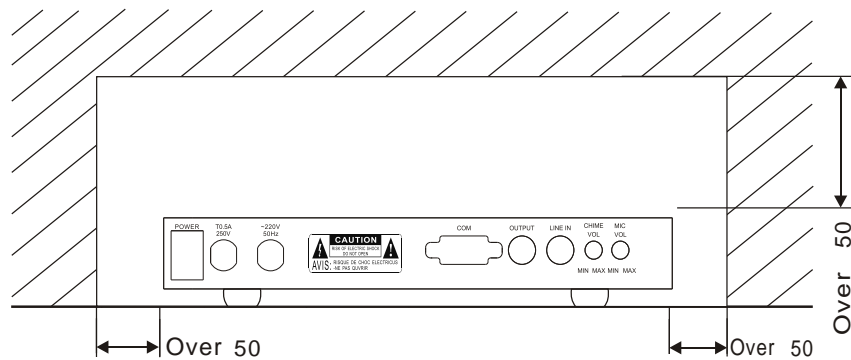
8. DIMENSIONAL DIAGRAM

UNIT :mm



Keep the unit's all sides over 10 cm away from objects that may obstruct air flow to prevent the unit's internal temperature rise.

UNIT :mm



PUBLIC ADDRESS SYSTEM



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