



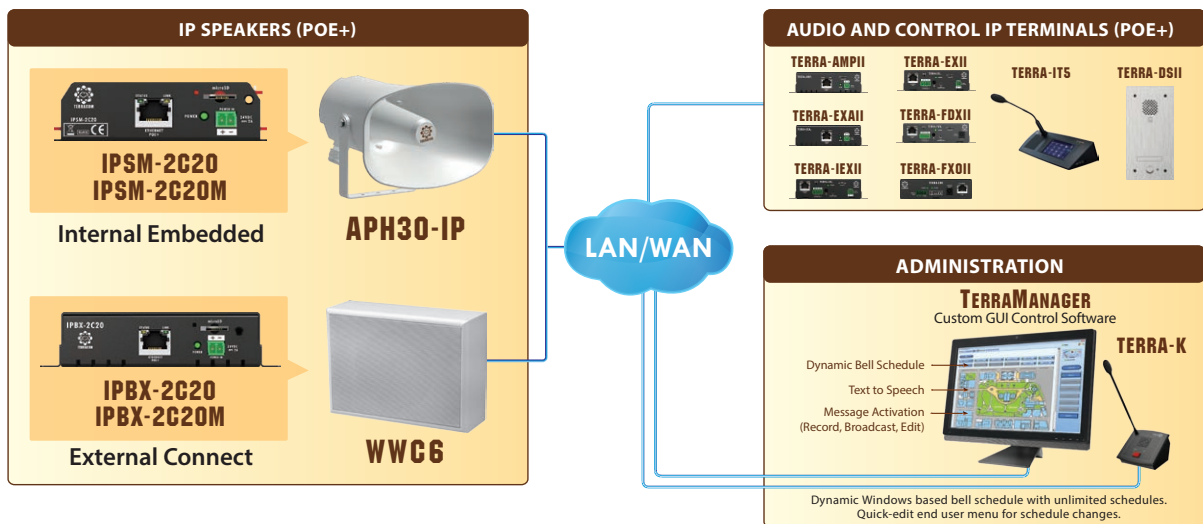
FULL RANGE IP SPEAKERS

Pro Sound Quality & Acoustic Experience

Paging, Hand-Free Intercom and BGM Functions

IPSM-2C20/IPBX-2C20

IP Speaker Module/IP Speaker Box

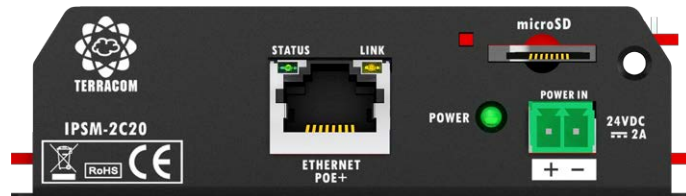


Modules of IPSM-2C20 and IPBX-2C20 external box are both equipped with 2 channels in 20W with 8ohm loudspeaker, or be bridged to 1 channel in 40W with 4 ohm loudspeaker. Supporting PoE+ power and user can order an external power adapter to provide greater power to the IP speaker (If PoE+ is not available 24VDC will supply power). With Power over Ethernet (PoE+), audio, control and power can be owed over the standard female RJ45 Ethernet connector, giving a cost-effective way to use as the SIP endpoint of paging, intercom, mass notification system and minimizing the number of cables.

To fulfill hands-free intercom and monitoring, the IPSM-2C20M and IPBX-2C20M are equipped with a built-in microphone interface. The YMC0101-005 mic capsule could be connected to the microphone interface. In addition, 3 control inputs are used for level control and source selection via RAC 5/8 controller, and 1 relay contact output can be programmed to control an external device via TerraManager.

The following are the important features that IPSM/IPBX-2C20 brings to various loudspeakers:

1. Support PoE+ and PoE power.
2. Full DSP includes Level Control, AEC, Noise Suppressor, AGC, PEQ, Hi Low Pass Filter, Ducker, Limiter, etc.
3. Support VoIP call via SIP protocol.
4. Support G.711u, G.711a, G.722, G.726-32, G.727-32, G.729, PCM16K, WAVE and MP3 audio codec, and AAC/AAC+ decoder.
5. IP based for music streaming, routing, paging and control over LAN/WAN.



IPSM-2C20

ORDERING INFORMATION

MODEL NO.	DESCRIPTION OF MODEL
IPSM-2C20	IP Speaker Module/2 ch/20W w/PoE+
IPSM-2C20M	IP Speaker Module/2 ch/20W w/mic-in w/PoE+
IPSM-2C20P36	IP Speaker Module/2 ch/20W w/PSU36-24
IPSM-2C20P65	IP Speaker Module/2 ch/20W w/PSU65-27
IPSM-2C20MP36	IP Speaker Module/2 ch/20W w/mic-in w/PSU36-24
IPSM-2C20MP65	IP Speaker Module/2 ch/20W w/mic-in w/PSU65-27

Note: IPSM/IPBX-2C20M and IPSM/IPBX-2C20ML are not shipped with the mic capsule, please order YMC0101-005 mic capsule if necessary.



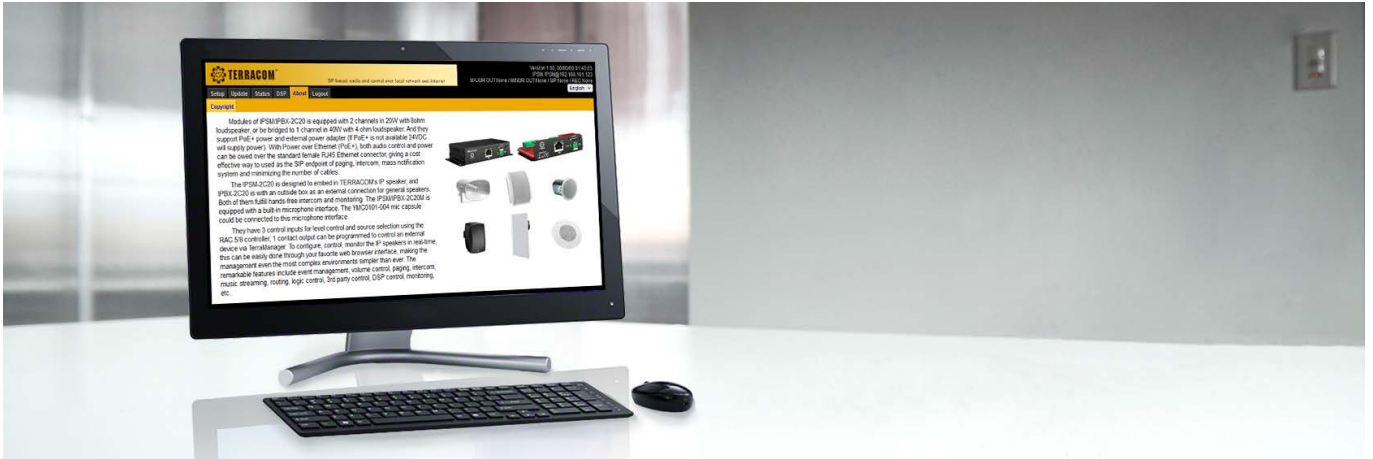
IPBX-2C20

ORDERING INFORMATION

MODEL NO.	DESCRIPTION OF MODEL
IPBX-2C20	IP Speaker Box/2 ch/20W w/PoE+
IPBX-2C20M	IP Speaker Box/2 ch/20W w/mic-in w/PoE+
IPBX-2C20P36	IP Speaker Box/2 ch/20W w/PSU36-24
IPBX-2C20P65	IP Speaker Box/2 ch/20W w/PSU65-27
IPBX-2C20MP36	IP Speaker Box/2 ch/20W w/mic-in w/PSU36-24
IPBX-2C20MP65	IP Speaker Box/2 ch/20W w/mic-in w/PSU65-27

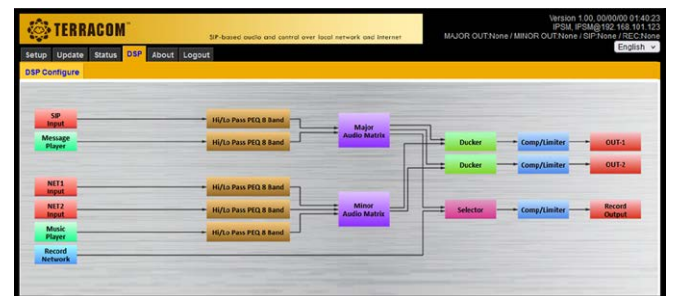
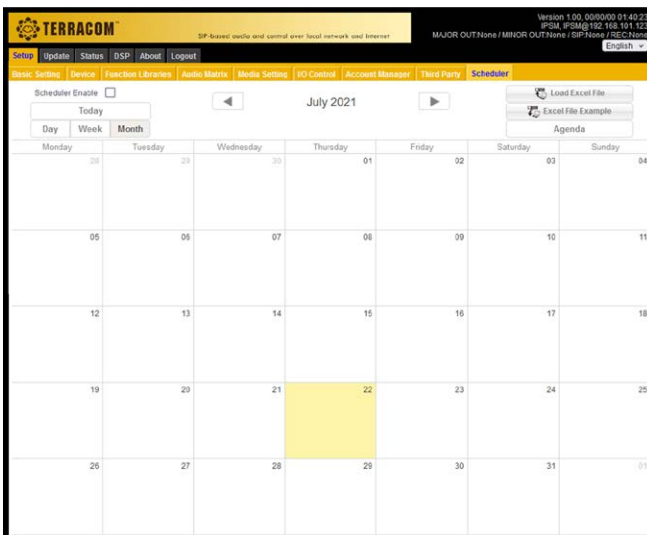
Web Browser For Configuration

Making the management simpler is that all action of configure, control, monitor can be set on web browser.



The remarkable features include event management, volume control, paging, intercom, music streaming, routing, logic control, 3rd party control, DSP control, monitoring, etc.

DSP configuration page sets every outputs and inputs. And, the full DSP function includes Level Control, AEC (Audio Echo Cancellation), Noise Suppressor, AGC (Audio Gain Cancellation), PEQ, Hi Low Pass Filter, Ducker, Limiter, etc.



IP Speakers

All PoE network speakers below have embedded in an integrated IP module “IPSM-2C20” with 20W x 2 amplifier, three control inputs and one output contact for triggering events. Integrated DSP tools for audio enhancement and memory storage are also two essential features of the IP speakers.

CCS4/CCS6

4”/6” Pro-Ceiling IP Speaker



The Bassreflex ceiling mount loudspeaker consists of a low-frequency chassis and an additional high-frequency driver. The closed back allows for a bass reflex construction, which is reflected in the excellent reproduction of music. Atypical for 100V speakers is the extremely high sound reproduction and the balanced sound picture, which impresses with the first hearing. Wherever powerful basses and clear heights are required to create the right atmosphere, this speaker is the first choice. The performance can be adjusted without great effort with a selector switch below the front grille.

ORDERING INFORMATION

MODEL NO.	DESCRIPTION OF MODEL
CCS4-IP	4” Pro-Ceiling IP Speaker 2 Way/20W
CCS4-IPM	4” Pro-Ceiling IP Speaker 2 Way/20W w/ mic
CCS6-IP	6” Pro-Ceiling IP Speaker 2 Way/20W
CCS6-IPM	6” Pro-Ceiling IP Speaker 2 Way/20W w/ mic

LCS8

Twin-Cone IP Speaker



LCS8 equips 15 watt, twin-cone, 8" full-range speaker packages and be completed with grille and dual 70.7/25 volt transformers. It also has 10-ounce ceramic magnets that provides enhanced low-frequency response and greater efficiency. The multi-functional LCS8 is well suited to meet a wide range of project requirements such as commercial, industrial and institutional applications.

ORDERING INFORMATION

MODEL NO.	DESCRIPTION OF MODEL
LCS8-IP	Twin-Cone IP Speaker/10W
LCS8-IPM	Twin-Cone IP Speaker/10W w/ mic

LIS8

Lay-In Tile IP Speaker



The LIS series full-range, lay-in speaker packages are economical one-piece assemblies designed to speed installation in traditional 2' x 4' and 2' x 2' suspended tile ceilings. Conservatively rated each unit combines a speaker, 70.7/25-volt transformer and enclosure, all attached to grid assembly that also serves as a tile bridge.

The LIS series exclusives wedged support lines up the grille with the tile. It is not just pleasing to the eye, but is convenient for the installer. Enclosure has 6" five-conductor wire exiting the housings through the top.

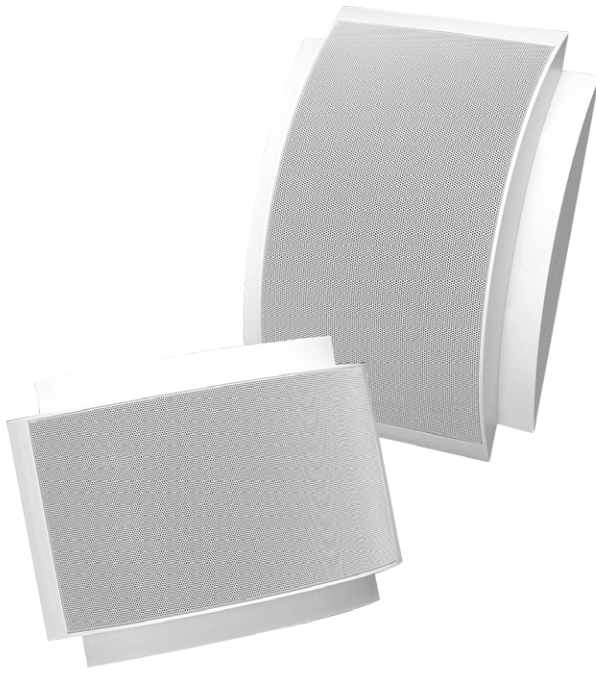
Models use different assemblies; LIS8T and LIS8+T employing twin-cones and a 5-watt transformer. (The LIS8+T has a 15-watt speaker with a 10-ounce magnet.) An 8-watt transformer is stock on the coaxial LIS8XT which has a treated cone with rubber surround and a post-mounted, 3" paper-cone tweeter having a 1/2" moving coil.

ORDERING INFORMATION

MODEL NO.	DESCRIPTION OF MODEL
LIS8-IP	Lay-In Tile IP Speaker/10W
LIS8-IPM	Lay-In Tile IP Speaker/10W w/ mic

PBC6

Open-Back Wall-mount IP Speaker



These exceptional loudspeakers are both stylish and elegant, and offer a cost-effective alternative to the conventional wooden cabinet loudspeaker. Making this series even further is the high reproduction of speech and background music. And, the effortless installation via a concealed attachment is also a big feature of wall-mount speaker.

Areas of application represent premises in which value is attached design and excellent sound quality is laid, such bars, restaurants, hotels, reception rooms, prestigious rooms, medical office waiting rooms, offices, etc.

ORDERING INFORMATION

MODEL NO.	DESCRIPTION OF MODEL
PBC6-IP	Open-Back Wall-Mount IP Speaker/10W
PBC6-IPM	Open-Back Wall-Mount IP Speaker/10W w/ mic

JD20W/JD20B

Plastic IP Sound Projector Speaker



This stylish music cabinet loudspeakers benefit from a 2-way enclosure, a custom loaded mid-range/bass and a polypropylene coned drive unit. It has been paired with a high-performance neodymium tweeter to accurately reproduce the high frequencies. Both drive units are matched with a passive crossover to ensure a smooth performance over the operating bandwidth.

It can also be mounted on walls. And, designed for use in shops, clubs, themed environments, wine bars, etc, this speaker provides a high-quality performance from a compact and attractive enclosure.

ORDERING INFORMATION

MODEL NO.	DESCRIPTION OF MODEL
JD20W-IP	Music Cabinet Loudspeaker/20W, white
JD20W-IPM	Music Cabinet Loudspeaker/20W w/ mic, white
JD20B-IP	Music Cabinet Loudspeaker/20W, black
JD20B-IPM	Music Cabinet Loudspeaker/20W w/ mic, black

FORMAT4CXW/FORMAT4CXB FORMAT6CXW/FORMAT6CXB

2 Way Cabinet Coaxial IP Speaker



ORDERING INFORMATION

MODEL NO.	DESCRIPTION OF MODEL
FORMAT4CXW-IP	IP Music Cabinet Co-Speaker,PoE+,20Wx2,white
FORMAT4CXW-IPM	IP Music Cabinet Co-Speaker,PoE+,20Wx2 w/mic,white
FORMAT4CXB-IP	IP Music Cabinet Co-Speaker,PoE+,20Wx2,black
FORMAT4CXB-IPM	IP Music Cabinet Co-Speaker,PoE+,20Wx2 w/mic,black
FORMAT6CXW-IP	IP Music Cabinet Co-Speaker,PoE+,40W,white
FORMAT6CXW-IPM	IP Music Cabinet Co-Speaker,PoE+,40W w/mic,white
FORMAT6CXB-IP	IP Music Cabinet Co-Speaker,PoE+,40W,black
FORMAT6CXB-IPM	IP Music Cabinet Co-Speaker,PoE+,40W w/mic,black

APH30

Network Horn Speaker



This lightweight plastic re-entrant horn is designed to be weatherproof, corrosive and salt resistance. Manufactured from a strengthened ABS moulded plastic with UV inhibitor and low smoked zero Halogen UL-94V0. Supplied with a high-grade epoxy coated U bracket. Offering high efficiency and clarity of speech, this horns is suitable for speech or signal warnings in hostile environments. It's also a best solution for marine and industrial applications as they are unaffected by most chemicals.

ORDERING INFORMATION

MODEL NO.	DESCRIPTION OF MODEL
APH30-IP	IP Horn Speaker/20W
APH30-IPM	IP Horn Speaker/20W w/ mic



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